



ANNIVERSARY
1953 - 2013



Battioni®
Pagani

Setting the pace since 1953

Technical Catalogue Agricultural sector

Catalogo Tecnico
Settore Agricolo

Technischer Katalog
Landwirtschaft

2017



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**Battioni®
Pagani**

Setting the pace since 1953

THE COMPANY

Battioni Pagani® is a worldwide leader in design and manufacturing of revolving blades vacuum pumps and accessories for agricultural and industrial markets since 1953.

Battioni Pagani® is committed to provide professional application services and premium quality pumps and vacuum system components to the vacuum truck industry worldwide.

Integrity, quality, commitment and innovation are the values we live and are found in every product and service we offer.

Our Group has a firm comprehensive program for environmental responsibility: minimize environmental impact (energy consumption and chemicals), make use of renewable energy, recycling (manufacturing and transportation) and design for environment.



The power of Italian creative intelligence married with masterful design and technology are intrinsic to all and each product we build since the very first one: unique products with superior quality 100% designed and made in Italy.



L'AZIENDA

Battioni Pagani®, nata nel 1953, è oggi il leader mondiale nella progettazione e produzione di pompe rotative per vuoto a palette e relativi accessori. Tali prodotti hanno piena applicazione in ambito agricolo e industriale.

Battioni Pagani® è impegnata assiduamente nel garantire al cliente un servizio altamente professionale e nel fornire pompe e accessori di alta qualità per il mercato dei mezzi per il vuoto, agricoli e industriali.

Integrità, qualità, impegno ed innovazione sono i nostri valori e sono alla base di ogni prodotto e di ogni servizio che offriamo.

Il nostro Gruppo ha un solido programma globale per la responsabilità ambientale: minimizza l'impatto ambientale (consumo energetico e chimico), utilizza energia rinnovabile, nell'ambito dei processi produttivi e di logistica, e progetta per l'ambiente.



Tutti i nostri prodotti nascono dalla grande creatività italiana combinata ad un design professionale ed ad una tecnologia all'avanguardia: i nostri sono prodotti unici, di qualità eccellente, completamente progettati e prodotti in Italia.

DIE FIRMA

1953 war Battioni Pagani® das erste italienische Unternehmen, welches im Bereich Vakuumerzeugung arbeitet. Heute ist es Weltmarktführer in der Entwicklung und Herstellung von Drehschieberpumpen für Landwirtschaft und Industrie.

Battioni Pagani® garantiert seinen Kunden einen professionellen Service sowie qualitativ hochwertige Pumpen und Zubehör für Fahrzeuge mit Vakuumtechnik für Landwirtschaft und Industrie.

Unsere Unternehmensgruppe verfügt über ein solides weltumspannenden Umweltschutzprogramm: minimiert die Umweltbelastung (Energieverbrauch und Verbrauch von Chemikalien), setzt bei den Produktionsabläufe und der Logistik erneuerbare Energien ein und entwickelt umweltfreundlich.



In allen unseren Produkten spiegelt sich die große Kreativität Italiens wieder. Professionelles Design und fortschrittliche Technik. Einzigartige und qualitativ hochwertige Produkte, die vollständig in Italien entwickelt und produziert werden.

THE COMPANY

With over 60 years of experience of our customer applications and needs from all over the world, Battioni Pagani® know-how has been built through continuous investment in product development, supply chain and mass volume manufacturing to provide the highest product performances at the lowest cost.

Our new scientific method and rigorous approach to product design and our advanced automated manufacturing processes have been instrumental to improve our products over time combining the right mix of technology innovation with our traditional long standing values of quality and reliability.

With the largest production capacity in the world of over 20.000 pumps per year and with more than 500.000 pumps delivered to over 120 countries, Battioni Pagani® is recognized for its proven track record of consistent delivery of performance, quality and reliability by all people that do not accept compromises.



L'AZIENDA

Con oltre 60 anni di esperienza costruiti nell'attenzione alle esigenze del cliente, Battioni Pagani® deve la sua conoscenza tecnica ai continui investimenti dedicati allo sviluppo del prodotto, al processo di approvvigionamento e alla produzione su larga scala. Tutto questo consente all'azienda di poter fornire al cliente prodotti altamente performanti a costi ridotti.

Il nostro nuovo metodo scientifico e l'approccio rigoroso alla progettazione del prodotto, uniti ai nostri avanzati processi di produzione automatizzati, sono stati fondamentali per ottenere prodotti caratterizzati da una giusta combinazione di innovazione tecnologica e di valori tradizionali come la qualità e l'affidabilità.

Battioni Pagani® con più di 20.000 pompe prodotte ogni anno, vanta il più moderno processo produttivo del settore e conta oltre 600.000 pompe consegnate in più di 120 paesi al mondo. Battioni Pagani® si distingue per la sua esperienza e capacità nel fornire servizi, qualità ed affidabilità da parte di persone che non accettano compromessi.

DIE FIRMA

Mit mehr als 60 Jahren Erfahrung immer unter Beachtung des Kundenbedarfs verdankt Battioni Pagani® sein technisches Können der stetigen Investition in die Weiterentwicklung der Produkte, Beschaffungsprozesse und Großproduktion. Hierdurch ist das Unternehmen in der Lage, hochleistungsfähige Produkte zu geringen Preisen anzubieten.

Unsere neue wissenschaftliche Methode und der strenge Ansatz bei der Entwicklung der Produkte sind zusammen mit unseren fortschrittlichen automatisierten Produktionsprozessen grundlegend für Produkte, die genau über das richtige Maß an technischer Innovation und traditionellen Werten, wie Qualität und Zuverlässigkeit, verfügen.

Battioni Pagani® stellt jährlich mehr als 20.000 Pumpen her, verfügt über den modernsten Produktionsprozess des Sektors und lieferte bereits über 600.000 Pumpen in mehr als 120 Länder der Welt. Battioni Pagani® hebt sich durch seine Erfahrung hervor sowie durch seinen Service, seine Qualität und seine Zuverlässigkeit, was durch Personen garantiert wird, die keine Kompromisse eingehen.



AGRICULTURE

Every morning more than half a million people from Ireland to South Africa, from Canada to New Zealand start their working day operating a Battioni Pagani®.

When Amilcare Battioni and Gianfranco Pagani first met over 60 years ago they did not know where the future would have lead them but they knew they had to work hard to survive and find their way through the challenges of a post war desolated landscape. They had nothing to start with nor anybody to help them but their hands and brain. Life restarting in the vast flat area in northern Italy called for reestablishing supply to the fundamental needs of human beings such as home and food.

An adventure started in a small shop where they worked and lived together with their families repairing agricultural machines and tractors by making use of parts of military equipment left over by the German and American armies took them to establish one of the most relevant employer and successful enterprise of the region and the worldwide leader in design and manufacturing of rotary vanes vacuum pumps for agricultural markets.



AGRICOLTURA

Ogni mattina più di mezzo milione di persone, dall'Irlanda al Sud Africa, dal Canada alla Nuova Zelanda, inizia la propria giornata lavorativa mettendo in funzione una pompa Battioni Pagani®.

Quando Amilcare Battioni e Gianfranco Pagani si incontrarono per la prima volta, più di 60 anni fa, non sapevano di certo dove il futuro li avrebbe condotti. Essi sapevano soltanto che avrebbero dovuto lavorare duramente per sopravvivere e per trovare la loro strada nei meandri di una terra desolata del dopoguerra. Essi non possedevano nulla e nessuno era disponibile ad aiutarli: le loro mani ed il loro cervello erano le uniche risorse. Dopo una disastrosa guerra, nella vasta pianura del nord Italia, la vita provava a ricominciare soprattutto per rispondere alle necessità fondamentali che, in quel momento, erano la casa e il cibo.

Questa avventura ebbe inizio quando, in un piccolo opificio, Amilcare Battioni e Gianfranco Pagani, giovanissimi, cominciarono a lavorare per riparare trattori e macchine agricole, riutilizzando ed adattando parti di attrezzature militari abbandonate dalle truppe tedesche e americane.

Fu un lungo ed arduo cammino che li portò a fondare una delle società più importanti e di successo della regione, oggi leader mondiale nella progettazione e produzione di pompe rotative a palette per i mercati agricoli.

LANDWIRTSCHAFT

Jeden Morgen beginnen mehr als eine halbe Million Menschen von Irland bis Südafrika und von Kanada bis Neuseeland ihren Arbeitstag damit einer Pumpe von Battioni Pagani® einzuschalten.

Als Amilcare Battioni und Gianfranco Pagani sich vor 60 Jahren das erste Mal trafen, ahnten sie nicht, wohin die Zukunft sie führen würde. Sie wußten nur, dass sie für das Überleben hart arbeiten würden müssen, um ihren Weg in den Mäandern einer vom Krieg verwüsteten Region zu finden. Sie hatten nichts und niemand war bereit, ihnen zu helfen. Ihre einzigen Ressourcen waren ihre Hände und ihr Kopf. Nach dem zerstörerischen zweiten Weltkrieg wurde in der weitreichenden Ebene im Norden Italiens versucht neu anzufangen und vor allem Grundbedürfnisse, wie Wohnraum und Nahrungsmittel, zu decken.

Die Geschichte begann in einer kleinen Werkstatt, in der Amilcare Battioni und Gianfranco Pagani, beide noch sehr jung, begannen Traktoren und Maschinen der Landwirtschaft zu reparieren. Dafür verwendeten sie militärische Ausrüstungsgegenstände, welche von den deutschen und amerikanischen Truppen zurückgelassen wurden, und passten sie entsprechend an. Es war ein langer und steiler Weg bis es ihnen gelang, das wichtigste und erfolgreichste Unternehmen der Region zu gründen, das heute weltweit führend in der Entwicklung und Herstellung von Drehschieberpumpen für die Landwirtschaft ist.

AGRICOLTURE

Battioni Pagani Pompe and its sister company BP Handling Technologies (manufacturer of special material handling trucks) belong to the Battioni Pagani Group, a fully family owned corporation today at its second generation. Located in the heart of Pianura Padana in Sorbolo (Parma) the company longest standing experience among anyone initiated with building agricultural vacuum tanks and trucks for its local market has been instrumental to the development of top performing vanes pumps now powering farm trucks all over the world. With 100 pumps leaving the factory every day, Battioni Pagani® is the world leading manufacturer of rotary vanes vacuum pumps with export counting for more than 90% of revenue. Battioni Pagani® is dedicated to all people linked to the land, who cultivate, harvest and grow with the land.

People who share with Battioni Pagani® the same values of quality, commitment and innovation. Battioni Pagani® always delivered more and beyond to its customers helping them to become more efficient and productive. Every morning more than half a million people from Ireland to South Africa, from Canada to New Zealand start their working day operating a Battioni Pagani®.

Battioni Pagani® application engineering team works together every day with OEMs, dealers and end users in determining the best solution to the most specific and demanding application. The company wide product range provides for over 4.000 different models of rotary vanes vacuum pumps with airflow from 1.000 l/min up to 55.000 l/min, centrifugal pumps, lobe pumps, accessories and components being utilized in all agricultural and farming applications such as handling and spraying animals liquid waste, emptying hose reels for irrigation and handling slurry for biogas industry.

People originally not aware of the potential offered by the Battioni Pagani® Solution and its design and manufacturing flexibility are now embracing the Battioni community opening up new opportunities for growth in developing countries.

AGRICOLTURA

Battioni Pagani Pompe e la sua consociata BP Handling Technologies (produttore di veicoli per la movimentazione di macchine speciali) appartengono al Gruppo Battioni Pagani, un'azienda di famiglia a capitale privato, oggi alla sua seconda generazione. Situata nel cuore della Pianura Padana, a Sorbolo (Parma), la società vanta una lunga e consolidata esperienza, la quale, iniziata dalla costruzione di cisterne agricole e veicoli per il vuoto destinati al mercato locale, è stata determinante nello sviluppo delle pompe a palette altamente performanti, utilizzate oggi per i camion agricoli di tutto il mondo. Battioni Pagani® consegna più di 100 pompe al giorno ovunque nel mondo ed è il più grande produttore mondiale di pompe per vuoto rotative a palette con un export che supera il 90% del fatturato. Battioni Pagani® è dedicata a tutte le persone che amano la terra, che la coltivano, che ne colgono i frutti e crescono con essa. Queste persone condividono con Battioni Pagani® gli stessi valori di qualità, impegno e innovazione.

Battioni Pagani® è qualcosa in più per i propri clienti in quanto li accompagna, nello sviluppo dei loro prodotti, ad incrementare produttività ed efficienza.

Il team di ingegneri di Battioni Pagani® lavora tutti i giorni a fianco di costruttori, distributori ed utilizzatori finali allo scopo di trovare la soluzione migliore alle più specifiche ed esigenti applicazioni. La vasta gamma di produzione comprende più di 4.000 modelli differenti di pompe rotative per vuoto, con portate che vanno dai 1.000 l/min fino ai 55.000 l/min, pompe centrifughe, pompe a lobi, accessori e componenti di ricambio che vengono utilizzati in tutte le applicazioni agricole come, ad esempio, la movimentazione e lo spargimento liquami, lo svuotamento dei tubi applicati a macchine irrigatrici oltre alla movimentazione dei liquami per l'industria di produzione di biogas.

Grazie alla grande flessibilità nei processi di progettazione e produzione, Battioni Pagani® sta creando nuove opportunità di crescita nei paesi in via di sviluppo, in collaborazione con tutte le persone e le aziende che credono nell'enorme potenziale offerto dalla Soluzione Battioni Pagani®.

LANDWIRTSCHAFT

Battioni Pagani Pompe und sein Tochterunternehmen BP Handling Technologies (Herstellerrfirma von Transportfahrzeugen für Spezialmaschinen) gehören zur Unternehmensgruppe Battioni Pagani, ein Familienunternehmen, das heute in zweiter Generation privat geführt wird. In der Poebene im Ort Sorbolo (Parma) angesiedelt, blickt das Unternehmen auf langjährige Erfahrung zurück, die mit der Herstellung von Tanks für die Landwirtschaft und Fahrzeugen mit Vakuumpumpe für den lokalen Markt begann. Das Unternehmen war maßgeblich an der Entwicklung von Hochleistungs-Schiebervakuumpumpen beteiligt, die heute für landwirtschaftliche Fahrzeuge auf der ganzen Welt verwendet werden. Battioni Pagani® liefert täglich mehr als 100 Pumpen in jeden Teil der Welt und ist mit einem Export von über 90% des Jahresumsatzes das größte Herstellerunternehmen für Drehschieberpumpen weltweit. Battioni Pagani® ist allen Menschen gewidmet, welche die Erde lieben, sie bewirtschaften, ihre Früchten ernten und zusammen mit ihr wachsen. Die Werte dieser Leute für Qualität, Engagement und Innovation teilt Battioni Pagani®. Battioni Pagani® begleitet seine Kunden nicht nur bei der Entwicklung der entsprechenden Produkte, sondern auch während der Steigerung ihrer Produktivität und Leistungsfähigkeit.

Das Ingenieursteam von Battioni Pagani® arbeitet jeden Tag Seite an Seite mit Hersteller- und Vertriebsfirmen sowie mit Endverbrauchern, um beste Lösungen für die spezifischsten und anspruchsvollsten Anwendungen zu entwickeln. Die umfangreiche Produktionspalette umfasst mehr als 4.000 unterschiedlicher Modelle von Sperrschieberpumpen mit einer Durchflussmenge von 1.000 l/min bis zu 55.000 l/min sowie von Kreiselpumpe, Drehkolbenpumpe, Zubehör und Ersatzteile, die in allen Bereichen der Landwirtschaft eingesetzt werden, wie zum Beispiel der Transport und das Verteilen von Gülle, das Leeren von Schläuchen an Beregnungsmaschinen, der Transport von Gülle in der Biogasindustrie.

Dank der Flexibilität bei den Prozessen der Entwicklung und Produktion schafft Battioni Pagani® zusammen mit allen Menschen und Unternehmen, die an das enorme Potential der Lösung Battioni Pagani® glauben, neue Wachstumsmöglichkeiten in Entwicklungsländern.



**Battioni®
Pagani**

Setting the pace since 1953

PUMPS FEATURES

CARATTERISTICHE

PUMPEN EIGENSCHAFTEN

FEATURES

The Rotary blades vacuum pumps Battioni Pagani Pompe® have been designed and constructed in compliance with EEC safety regulations and have been assessed for risks according to standard UNI EN ISO 12100:2010; in particular they are in conformity with directive 2006/42/CE and subsequent modifications and additions.

Since the design of this pump complies with the definition of a machine as contained in the Machinery Directive 2006/42/EC, the pump bears the CE mark on its identification plate.

CARATTERISTICHE

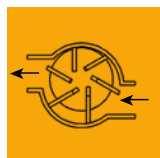
Le pompe per vuoto rotative a palette Battioni Pagani Pompe® sono state progettate e costruite nel rispetto delle normative comunitarie in materia di sicurezza e sono state oggetto della valutazione dei rischi secondo la norma UNI EN ISO 12100:2010; in particolare sono conformi alla direttiva 2006/42/CE e successive modificazioni ed integrazioni. La pompa in oggetto si configura ai sensi della definizione della direttiva macchine 2006/42/CE quale macchina e quindi riporta la marcatura CE sulla targhetta identificativa.

EIGENSCHAFTEN

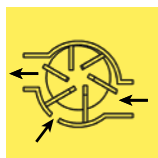
Die Vakuumpumpe mit Lamellen Battioni Pagani Pompe® wurden unter Einhaltung der EG-Normativen auf dem Gebiet der Sicherheit projektiert und konstruiert und waren Gegenstand der Gefahrenbewertung gemäss der UNI EN ISO 12100:2010; Sie entsprechen insbesondere der EWG-Richtlinie 2006/42/CE sowie nachfolgenden Änderungen und Ergänzungen. Die Pumpe wurde nach den Bestimmungen der Maschinenrichtlinie 2006/42/EG über Maschinen konstruiert und verfügt folglich über die CE-Kennzeichnung auf dem identifizierenden Typenschild.



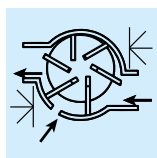
COOLING SYSTEM



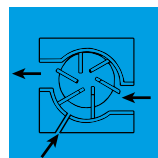
AIR-COOLING



AIR INJECTION COOLING



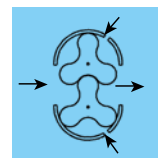
AIR FORCED COOLING + (AIR INJECTION COOLING)



WATER COOLING + (AIR INJECTION COOLING)



FULL WATER COOLING



AIR INJECTION COOLING FOR ROTARY LOBE PUMPS

Pump's cooling is provided by heat transfer from pump's external surface (convection). Design includes cooling fins in order to have a larger surface area. Cooling is also provided by oil lubrication.

Pump's cooling is provided by convection, oil lubrication and automatic fresh air injection in the housing during vacuum use. Battioni's Air injection cooling is highly efficient and effective, it doesn't affect max vacuum grade. Air Injection cooled pumps can work @ 70% vacuum without time restrictions.

Cooling of the pump is provided by fresh air forced by high efficiency cooling fans. Accurate studies of the aluminum conveyor, body fins profile and inlet/outlet port make the FAN Pumps suitable for heavy duty applications. Only for vacuum phase, cooling is also provided (optional) by an air injection cooling port, which does not affect vacuum performance and by oil lubrication.

Pump's cooling is provided by convection, oil lubrication and water in housing (both compression and vacuum sides) and both front and back covers. This cooling system works both in vacuum and compression phase. Water cooled pumps can work with no-limit in operations. Only for vacuum phase, cooling is also provided (optional) by an air injection cooling port, which does not affect vacuum performance and by oil lubrication.

Pump's cooling is provided by convection, oil lubrication and water in housing (both compression and vacuum sides) and both front and back covers. This cooling system works both in vacuum and compression phase. Water cooled pumps can work with no-limit in operations.

Pump's cooling is provided by convection and automatic fresh air injection in the housing during vacuum use. Design includes high capacity inlet air-cooling. It doesn't affect max vacuum grade. Battioni's Air Injection rotary lobe pumps can work without time restrictions @ max vacuum.

AVAILABLE VERSIONS

Rotary vanes vacuum pumps

M MA



CCW as standard

M
the power take-off is actuated through a cardan shaft at 540 r.p.m. This version can be recognised by the gearbox placed at the front of the Rotary blades vacuum pump and by the identification plate.

MA (with gearbox)
the power take-off is actuated through a cardan shaft at 1000 r.p.m. This version can be recognised by the gearbox placed at the front of the Rotary blades vacuum pump, by the identification plate and by the punching placed on the upper part of the gearbox.

M
la presa di forza è azionata tramite albero cardanico a 540 rpm. La versione è riconoscibile dalla scatola moltiplicatore posta nella parte anteriore della pompa per vuoto rotativa a palette, dalla targhetta d'identificazione.

MA (con moltiplicatore)
la presa di forza è azionata tramite albero cardanico a 1000 rpm. La versione è riconoscibile dalla scatola moltiplicatore posta nella parte anteriore della pompa per vuoto rotativa a palette e dalla targhetta d'identificazione e dalla punzonatura posta sul coperchio scatola moltiplicatore.

M
die Antriebswelle (Zapfwelle) wird über eine Kardanwelle 540 Umdrehungen/min betrieben. Diese Version ist am Gehäuse für das Übersetzungsgetriebe, das sich an der Vorderseite des Vakuumschalters mit Lamellen befindet sowie am Identifikationsschild und an der Einprägung auf dem oberen Gehäuseteil erkennbar.

MA (mit Übersetzungsgetriebe)
die Antriebswelle (Zapfwelle) wird über eine Kardanwelle 1000 Umdrehungen/min betrieben. Diese Version ist am Gehäuse für das Übersetzungsgetriebe, das sich an der Vorderseite des Vakuumschalters mit Lamellen befindet sowie am Identifikationsschild und an der Einprägung auf der Abdeckung des Getriebegehäuses erkennbar.

P



CCW on request CW as standard

P
the power take-off is actuated through a pulley and belts. This version can be recognised by the cylindrical shaft with key of the power take off and by the plate, .../P pulley application.

P
la presa di forza è azionata tramite puleggia e cinghie. La versione è riconoscibile dall'albero cilindrico con chiave della presa di forza e dalla targhetta, .../P = applicazione puleggia.

P
die Antriebswelle (Zapfwelle) wird über eine Riemenscheibe mit Riemen betrieben. Diese Version ist an der zylindrischen Keilwelle des Antriebs sowie am Identifikationsschild: .../P = eingebaute Riemenscheibe erkennbar.

D



CCW as standard

D
the power take-off is actuated through a cardan shaft directly connected to the splined hub. This version can be recognised by the splined hub placed at the front of the Rotary blades vacuum pump and by the identification plate, .../D direct drive.

D
la presa di forza è azionata tramite albero cardanico direttamente collegato alla presa calettata. La versione è riconoscibile dalla presa calettata posta nella parte anteriore della pompa per vuoto rotativa a palette e dalla targhetta d'identificazione, .../D = applicazione diretta.

D
die Antriebswelle (Zapfwelle) wird über eine Kardanwelle betrieben, die direkt mit der aufgedrängten Kupplung verbunden ist. Diese Version ist an der aufgedrängten Kupplung, die sich an der Vorderseite des Vakuumschalters mit Lamellen befindet sowie am Identifikationsschild: .../D = Direktkupplung erkennbar.

H



CW as standard

H
the power take-off is actuated through a gears hydraulic motor. This version can be recognised by the hydraulic motor support placed at the front and by the identification plate, .../H hydraulic drive.

H
la presa di forza è azionata tramite motore idraulico ad ingranaggi. La versione è riconoscibile dal supporto del motore idraulico posto nella parte anteriore e dalla targhetta d'identificazione, .../H = trasmissione idraulica.

H
die Antriebswelle (Zapfwelle) wird über einen hydraulischen Zahnradmotor betrieben. Diese Version ist an der Halterung für den Hydromotor, die sich an der Vorderseite des Vakuumschalters mit Lamellen befindet sowie am Identifikationsschild: .../H = hydraulische Kraftübertragung erkennbar.

K KA



CCW as standard

K
the power take-off is actuated through a cardan shaft at 540 rpm and is designed to actuate an hydraulic pump of group 2 or group 3. This version can be recognised by the hydraulic pump support and by the identification plate.

KA
the power take-off is actuated through a cardan shaft at 1000 rpm and is designed to actuate an hydraulic pump of group 2 or group 3. This version can be recognised by the hydraulic pump support, by the identification plate and by the punching placed on the upper part of the gearbox.

K
la presa di forza è azionata tramite albero cardanico a 540 rpm ed è predisposta per azionare una pompa gruppo 2 oppure gruppo 3. La versione è riconoscibile dal supporto pompa idraulica e dalla targhetta d'identificazione.

KA
la presa di forza è azionata tramite albero cardanico a 1000 rpm ed è predisposta per azionare una pompa idraulica gruppo 2 oppure gruppo 3. La versione è riconoscibile dal supporto pompa idraulica, dalla targhetta d'identificazione e dalla punzonatura posta sulla parte superiore della scatola.

K
die Antriebswelle (Zapfwelle) wird über eine Kardanwelle 540 Umdrehungen/min betrieben und ist vorbereitet, um eine Pumpe der Gruppe 2 bzw. der Gruppe 3 betreiben zu können. Diese Version ist an der Halterung für die Hydropumpe sowie am Identifikationsschild erkennbar.

KA
die Antriebswelle (Zapfwelle) wird über eine Kardanwelle mit 1000 Umdrehungen/min. betrieben und ist vorbereitet, um eine Hydropumpe der Gruppe 2 bzw. der Gruppe 3 betreiben zu können. Diese Version ist an der Halterung für die Hydropumpe sowie am Identifikationsschild und der Einprägung auf dem oberen Gehäuseteil erkennbar.



VANES

STANDARD



160°

STANDARD

Standard blades are suitable for no-strong uses, for short and not frequent periods.

LONG LIFE

Long life blades are made of a special material suitable for strong uses and for Rotary blades vacuum pump used in agricultural field. These blades offer an excellent resistance to wear and mechanical and thermal stress. These are suitable for more frequent uses and to suck thick sewages. They are recommended for installation with frequent uses even during the same day.

LONG LIFE



200°

STANDARD

sono adatte ad utilizzi non intensi, di breve durata e non frequenti

LONG LIFE

Le palette Long Life sono composte di un materiale speciale adatto ad utilizzi intensi. Queste palette offrono un'ottima resistenza all'usura, a stress termici e meccanici e sono indicate per utilizzi più frequenti e per l'aspirazione di liquami più densi. E' consigliato per impianti utilizzati da conto terzi e con utilizzi frequenti anche nel corso della stessa giornata.

STANDARD

Die STANDARD Lamellen sind geeignet, wenn es sich um kurzzeitige, nicht intensive und nicht häufige Einsätze handelt

LONG LIFE

Die Lamellen Spezialmaterial, das sich für intensive Einsätze der Vakuum Derhpumpe mit Lamellen im landwirtschaftlichen Bereich eignet. Diese Lamellen bieten eine ausgezeichnete Beständigkeit gegen Verschleiß sowie thermische und mechanische Belastungen. Sie eignen sich für häufige Einsätze sowie für das Ansaugen dickflüssigerer Schwarzwasser und werden insbesondere für jene Anlagen empfohlen, die auf Rechnung Dritter arbeiten und somit an ein und demselben Tag mehrmals zum Einsatz kommen werden. Außer auf Grund von normalem Verschleiß kann eine Auswechslung der Lamellen auch infolge von unsachgemäßem Gebrauch des Vakuum Derhpumpe mit Lamellen notwendig werden. Die am häufigsten auftretenden Ursachen sind auf eine Überhitzung, auf das Fehlen einer ordnungsgemäßen Schmierung, auf den Eintritt von Schwarzwasser, auf zu hohen Druck oder zu großes Vakuum sowie auf die Rostbildung im Inneren des Körpers infolge längerer Stillstandszeiten zurückzuführen.

LUBRICATION

STANDARD LUBRICATION

Lubrication occurs during the intake phase only. The vacuum created in the Rotary blades vacuum pump sucks oil from the tank. In the compression phase lubrication occurs with the residue of oil from the preceding phase. Normal lubrication is available only for models MEC 1000 and MEC 1600 that are manufactured with only this type of lubrication.

LUBRIFICAZIONE STANDARD

la lubrificazione avviene solo durante la fase di aspirazione. il vuoto che si crea nella pompa aspira l'olio del serbatoio. Nella fase di compressione la lubrificazione avviene con i residui di olio nella fase precedente.

STANDARD SCHMIERUNG

Die Schmierung erfolgt nur während der Ansaugphase. Das sich im Vakuum Derhpumpe mit Lamellen bildende Vakuum saugt Öl aus dem Tank an. Während der Kompressionsphase erfolgt die Schmierung mit den aus der vorhergehenden Phase stammenden Ölresten.

FORCED LUBRICATION

lubrication runs during both sucking and compression phase thru a gear pump activated by rotary shaft. Gear pump sucks oil from tank and send it to the manual-regulated dosing tap. Exceeding oil goes back in the tank.

LUBRIFICAZIONE FORZATA

la lubrificazione avviene sia nella fase di aspirazione che nella fase di compressione tramite una pompa ad ingranaggi posta nella parte posteriore e azionata dall'albero rotore. La pompa ad ingranaggi aspira l'olio dal serbatoio e lo invia al rubinetto di dosaggio a regolazione manuale. L'olio eccedente ritorna al serbatoio stesso.

DRUCKSCHMIERUNG

Die Schmierung erfolgt sowohl während der Ansaug- als auch während der Kompressionsphase mit Hilfe einer im hinteren Teil angebrachten und durch die Rotorwelle angetriebenen Zahnradpumpe.

Die Zahnradpumpe saugt das Öl aus dem Tank an und führt es dem manuell regulierten Dosierhahn zu. Das überschüssige Öl läuft über einen Schlauch vom Hahn in den Tank zurück.

AUTOMATIC LUBRICATION

with this system lubrication runs during both sucking and compression phase. It is operated by a shaft-operated adjustable-flow dosing pump. Oil is injected directly into pump, removing manual regulation, with a remarkable oil saving.

LUBRIFICAZIONE AUTOMATICA

con questo sistema la lubrificazione avviene sia nella fase di aspirazione che di compressione mediante l'impiego di una pompa dosatrice a pistoni a portata regolabile posta nella parte posteriore ed azionata dal rotore. L'olio viene iniettato direttamente nella pompa, eliminando la regolazione manuale ed ottenendo un notevole risparmio di olio.

AUTOMATISCHE SCHMIERUNG

Mit diesem System erfolgt die Schmierung sowohl während der Ansaug- als auch der Kompressionsphase mit Hilfe einer Dosierkolbenpumpe mit verstellbarer Förderleistung, die im hinteren Teil angebracht ist und durch den Rotor angetrieben wird. Das Öl wird direkt in den Vakuum Derhpumpe mit Lamellen gespritzt, wodurch die manuelle Regulierung wegfällt und eine bedeutende Öleinsparung gewährleistet wird.



PUMPS FEATURES

CARATTERISTICHE

PUMPEN EIGENSCHAFTEN



Battioni®
Pagani

Setting the pace since 1953

Battioni Pagani® Vacuum Pump Oil

OIL



Code 5070200100

Battioni Pagani® **RECOMMENDS** use of Battioni Pagani "Vacuum Pump Oil" for internal lubrication. It ensures:

- best oxydation resistance
- best anti-rust performances
- anti-foam
- wide temperature range: from -5°C to 160°C

Battioni Pagani® **RACCOMANDA** l'uso di olio Battioni Pagani "Vacuum Pump Oil" per la lubrificazione interna.

Esso garantisce:

- ottima resistenza all'ossidazione
- forti prestazioni antiruggine
- ottimo potere antischiuma
- temperatura di utilizzo da -5°C a 160°C

Battioni Pagani® **EMPFIEHLT** für die interne Schmierung den Gebrauch von "VACUUM PUMP OIL" der Firma Battioni Pagani, wodurch wie folgt gewährleistet wird:

- Optimaler Widerstand gegen Oxydation
- Hohe Eigenschaften gegen die Rostbildung
- Optimaler Widerstand gegen Schaumbildung
- Anwendungstemperaturen von - 5°C bis 160°C

Battioni Pagani® Flushing Fluid



Code 5070200102

Battioni Pagani® **RECOMMENDS** the use of Battioni Pagani® Flushing Fluid, specifically designed by Battioni Pagani® for maintenance of Battioni Pagani® Vacuum Pumps.

- keep your pumps performance at the top;
- extend your pump life;
- extend your vanes life reducing running costs;
- protects your pump during long stops.

Battioni Pagani® **RACCOMANDA** l'uso di Battioni Pagani® Flushing fluid, fluido per la pulizia e la protezione delle pompe per vuoto, studiato per la manutenzione delle pompe da vuoto Battioni Pagani®

- mantenere le pompe con prestazioni al vertice;
- prolungare la durata della pompa da vuoto;
- prolungare la durata della palette e ridurre costi di gestione;
- protegge la pompa durante soste prolungate.

Battioni Pagani® **EMPFIEHLT** die Verwendung von Battioni Pagani® Flushing fluid, Fluid zur Reinigung und dem Schutz der Pumpen für Vakuum, für die Wartung der Vakuumpumpen Battioni Pagani® entwickelt

- die Pumpen mit Spitzenleistungen erhalten;
- die Lebensdauer der Vakuumpumpen verlängern;
- die Lebensdauer der Schieber verlängern und so die Verwaltungskosten reduzieren;
- schützt die Pumpe während längerer Stillstandszeiten.

Battioni Pagani® Flushing Kit

Flushing Kit make cleaning operations with Flushing fluid very easy.



Code 6080200325

- available for every Battioni Pagani® Vacuum Pumps.
- easy to install (plug & play) on all new and existing vacuum pumps.
- user friendly with full instruction on every Flushing Kits

Battioni Pagani® Flushing Kit rende le operazioni di manutenzione con il fluido per la pulizia e la protezione delle pompe per vuoto molto semplici.

- disponibile per ogni pompa per vuoto Battioni Pagani®;
- facile da installare (plug & play) su tutte le pompe per vuoto;
- istruzioni d'uso in ogni Flushing kit.

Battioni Pagani® Flushing kit è disponibile per ogni pompa per vuoto Battioni Pagani® (pompe per vuoto rotative a palette e pompe per vuoto a lobi)

Battioni Pagani® Flushing Kit macht die Vorgänge der Wartung mit dem Fluid für die Reinigung und den Schutz der Pumpe für Vakuum sehr einfach.

- verfügbar für jede Pumpe für Vakuum Battioni Pagani®;
- leicht auf allen Pumpen für Vakuum zu installieren (plug & play);
- Gebrauchsanleitungen in jedem Flushing Kit.

Battioni Pagani® Flushing Kit ist für jede Pumpe für Vakuum Battioni Pagani® verfügbar (Drehschieberpumpen oder Drehkolbenpumpen)

Thermo Tape



This temperature indicator provides two temperature readouts: The reversible scale at the bottom changes colour (from black to blue) at a specific temperature (90 °C to 120 °C). The scale is provided to help the user prevent the pump from overheating.

- A blue square with a white dot at the centre (a non-reversible indicator) is located at the upper right on the scale. If the dot turns black, the temperature has exceeded 160 °C, which means the pump has been used for more than 15 minutes at its maximum vacuum level (which is an incorrect use). If this occurs, the pump must be disassembled and all the seals, oil seals and blades must be replaced.

L'indicatore a nastro ha 2 controlli della temperatura:

- nella parte inferiore vi è una scala reversibile, che cambia colore (dal nero al blu) ad una temperatura specifica, da 90°C a 120°C. Questa scala è stata realizzata per aiutare l'utente ad evitare il surriscaldamento della pompa;
- In alto a destra c'è un quadrato blu che è l'indicatore irreversibile con un puntino bianco al centro, che diventa nero quando la temperatura sale a 160°C. Il verificarsi di questa condizione indica che la pompa è stata utilizzata per più di 15 minuti al massimo livello di vuoto (uso non corretto della pompa). In questo caso la pompa deve essere smontata e occorre sostituire tutte le guarnizioni paraolio e le palette.

Die Temperaturanzeige hat 2 Temperaturkontrollanzeigen:

- Im unteren Teil befindet sich eine umkehrbare Skala, die bei einer bestimmten Temperatur (zwischen 90 °C und 120 °C) die Farbe ändert (von schwarz auf blau). Diese Skala soll dem Benutzer helfen, eine Überhitzung der Pumpe zu vermeiden.
- Oben rechts befindet sich ein blaues Quadrat, das eine nicht umkehrbare Anzeige mit einem weißen Punkt in der Mitte darstellt, der schwarz wird, wenn die Temperatur 160° C erreicht. Wenn der Punkt schwarz wird, bedeutet dies, dass die Pumpe mehr als 15 Minuten auf dem höchsten Vakuumniveau verwendet wurde (nicht korrekter Gebrauch der Pumpe) und die Pumpe auseinandergebaut und alle Ölabdichtungen und Lamellen ausgetauscht werden müssen.



Pneumatic Mixer



The Rotary blades vacuum pump can be used as a mixer by fitting, on request, a double outlet on the manifold. In this case there will be the intake of a normal Rotary blades vacuum pump, but a perforated tube placed inside the tank car must be used for the compression.

When the handle is positioned on the compression phase, the air will be forced out through the holes in the tube so causing mixing of the previously loaded sewage (never exceed the maximum working absolute pressure of 2,5 bar) equal to 1,5 relative bar.

Il collettore a doppia uscita dà la possibilità di usare la pompa per il vuoto rotativa a palette come miscelatore. In questo caso si avrà l'aspirazione di una normale pompa ma per la compressione occorre adottare una tubazione forata posta all'interno del carro-botte. Posizionando la maniglia sulla fase di compressione avremo una fuoriuscita d'aria dai fori della tubazione che determina una miscelazione del liquame precedentemente caricato. E' necessario non superare mai la pressione massima assoluta di esercizio di 2,5 bar, pari a 1,5 bar relativi.

Den Vakuum Derhpumpe mit Lamellen als Mischer in Einsatz zu nehmen, indem - auf Wunsch - ein doppelter Ausgang auf dem Kollektor montiert wird. In diesem Fall erhält man den Ansaugvorgang eines normalen Vakuum Derhpumpe mit Lamellen; für die Kompression wird dagegen ein gelochter Schlauch benötigt, der im Inneren des Zisternenwagens untergebracht wird.

Stellt man nun den Griff auf die Kompressionsphase, tritt Luft aus dem gelochten Schlauch aus, was ein Vermischen des zuvor eingeladenen Schwarzwassers veranlasst (es ist darauf zu achten, dass der maximale absolute Betriebsdruck von 2,5 bar, der einem relativen Druck von 1,5 bar entspricht, niemals überschritten wird).

CPS - Crash protection system



Is a system that allows the flange to slide, which prevents breakage if foreign bodies become lodged between the rotor and the pump body. (Except for version G-GA) To benefit from this system, it is important to follow these instructions: Before starting the pump, make sure the rotor has not dropped down accidentally.

E' un sistema che permette la possibilità alle flange di scorrere, per evitare rotture in caso d'ingresso di corpi estranei tra rotore e corpo (tranne che per le versioni G-GA). Per potere beneficiare di questo sistema è importante, prima di avviare la pompa, verificare che il rotore non sia accidentalmente sceso.

System, dank dem die Flansche gleiten können, um Brüche durch Fremdkörper zwischen Rotor und Körper zu vermeiden. (Außer Version G-GA) Um dieses System zu Ihrem Vorteil nutzen zu können, müssen die folgenden Anweisungen unbedingt beachtet werden: Vor dem Starten der Pumpe überprüfen, dass der Rotor sich nicht versehentlich gesenkt hat.

Seals Kit



Ask for Seals kit for rotary blades vacuum pump which is made of: original Battioni Pagani® gaskets, oilseals in one blister only.

Richiedi il Kit guarnizioni per pompa rotativa palette contenente in un unico blister: guarnizioni e paraoli originali Battioni Pagani®.

Ein Revisionsset für mit folgendem Inhalt bestellen: einen Blister mit dichtungen und ölabdichtungen der Firma Battioni Pagani®.

Rebuild Kit

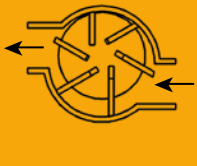
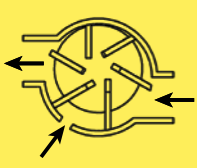


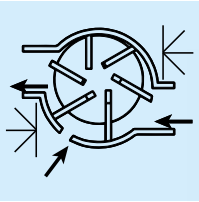
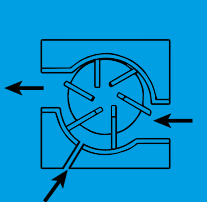
Ask for Rebuild kit for rotary blades vacuum pump which is made of: original Battioni Pagani® blades, gaskets, oilseals in one blister only.

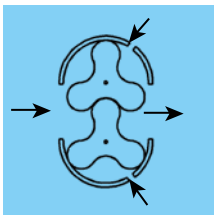
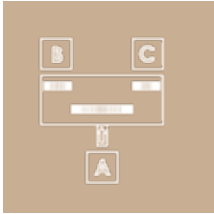
Richiedi il Kit revisione pompa rotativa palette contenente in un unico blister: palette, guarnizioni e paraoli originali Battioni Pagani®.

Ein Revisionsset für Lamellendrehpumpen mit folgendem Inhalt bestellen: einen Blister mit Originallamellen, dichtungen und ölabdichtungen der Firma Battioni Pagani®.

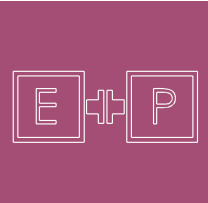
ROTARY VANES VACUUM PUMPS

TECHNOLOGY		PUMPS	FLOW RATE			MAX VACUUM % (inHg)	MAX CONTINUOUS VACUUM % (inHg)	PAG.
			l/min	m³/h	cfm			
 Air cooled - RVP		MEC 1000	1260	75,6	45	89% (26,3")	60% (18")	1
		MEC 1600	1980	118,8	70	89% (26,3")	60% (18")	1
		MEC 2000	2750	165	97	91% (27,0")	60% (18")	1
		MEC 3000	3600	216	127	92% (27,2")	60% (18")	1
		MEC 4000	4350	261	154	94% (28,0")	60% (18")	1
		MEC 5000	6150	369	217	94% (28,0")	60% (18")	1
		MEC 6500	7000	420	247	94% (28,0")	60% (18")	1
		MEC 8000	8100	486	286	94% (28,0")	60% (18")	1
		MEC II 9000	9030	541,8	319	95% (28,5")	60% (18")	9
		MEC II 11000	11137	668,2	393	95% (28,5")	60% (18")	9
		MEC II 13500	13845	830,7	489	95% (28,5")	60% (18")	9
		STAR 60	10680	640,8	377,1	95% (28,5")	60% (18")	13
		STAR 72	11870	712,2	419,2	95% (28,5")	60% (18")	13
		STAR 84	14420	865,2	509,2	95% (28,5")	60% (18")	13
 Air injection cooled - RVP		BALLAST 3500	3621	217,3	128	94% (28,0")	70% (21")	17
		BALLAST 4500	4593	275,6	162	94% (28,0")	70% (21")	17
		BALLAST 6000	6183	371	218	94% (28,0")	70% (21")	17
		BALLAST 7500	7596	455,8	268	94% (28,0")	70% (21")	17
		BALLAST 9000	9030	541,8	319	95% (28,5")	70% (21")	17
		BALLAST 11000	11137	668,2	393	95% (28,5")	70% (21")	17
		BALLAST 13500	13845	830,7	489	95% (28,5")	70% (21")	17
		BALLAST 16000	15270	916	539	95% (28,5")	70% (21")	23

TECHNOLOGY		PUMPS	FLOW RATE			MAX VACUUM % (inHg)	MAX CONTINUOUS VACUUM % (inHg)	PAG.
			l/min	m³/h	cfm			
 Double Fan + Air Injection cooled RVP		FAN 420	11980	719	423	95% (28,5")	91% (27")	27
		FAN 530	14890	893	526	95% (28,5")	91% (27")	27
 Liquid + Air Injection cooled RVP		KPS490	13520	811	477	95% (28,5")	95% (28,5")	31
		KPS550	15270	916	539	95% (28,5")	95% (28,5")	31
		KPS670	18620	1117	657	95% (28,5")	95% (28,5")	31
 Liquid cooled - RVP		WPT 480	9700	582	342,5	95% (28,5")	80% (24")	35
		WPT 600	11800	708	416,7	95% (28,5")	80% (24")	35
		WPT 720	14200	852	501,4	95% (28,5")	80% (24")	35
		KTS 840	14100	846	697,9	95% (28,5")	95% (28,5")	39
		KTS 960	16200	972	572,1	95% (28,5")	95% (28,5")	39
		KTS 1080	18000	1080	635,6	95% (28,5")	95% (28,5")	39
		KTM 1200	21500	1290	759,3	95% (28,5")	95% (28,5")	43
		KTM 1500	26400	1594	932,3	95% (28,5")	95% (28,5")	43
		KTM 1800	31000	1860	1094,7	95% (28,5")	95% (28,5")	43
		KTM 2300	36300	2178	1281,9	95% (28,5")	95% (28,5")	43
		WSM 2700	45000	2700	1589,2	95% (28,5")	80% (21")	43
		WSM 3300	56000	3360	1977,6	95% (28,5")	80% (21")	43

TECHNOLOGY		PUMPS	FLOW RATE			MAX VACUUM % (inHg)	MAX CONTINUOUS VACUUM % (inHg)	PAG.
			l/min	m³/h	cfm			
 Air injection cooled - Rotary Lobe vacuum pump		AIDA 16000	16000	960	565	90 (26,58")	90 (26,58")	52
		AIDA 19000	19000	1140	671	90 (26,58")	90 (26,58")	52
		AIDA 21000	21000	1260	741	90 (26,58")	90 (26,58")	52
		AIDA 26000	26000	1560	918	90 (26,58")	90 (26,58")	52
		AIDA 30000	30000	1800	1059	90 (26,58")	90 (26,58")	55
TECHNOLOGY		PUMPS	FLOW RATE			MAX RPM	HEAD m	PAG.
l/min	m³/h	cfm						
 Combined Group - Centrifugal Pump		GARDA 3500	3500	210	123	540	38	59
		GARDA 6500	6500	390	229	540 (1000)	70	59
		GARDA-EVO AFI27	3500	210	123	1000	70	59
		GARDA-EVO AFI27 HIGH SPEED	2200	132	77	1000	140	
		GARDA-EVO AFI35	4500	270	159	1000	114	59
		GARDA-EVO C6500	6500	390	229	1000	70	59
		ELBA 3500	3500	210	123	540 (750)	38	59
		ELBA 6500	6500	390	229	540 (750)	70	59
TECHNOLOGY		PUMPS	FLOW RATE			MAX ABS PRESSURE BAR/PSI		PAG.
l/min	m³/h	cfm						
 Self Priming Rotary Lobe Liquid Transfer Pumps		BR 40	710	42,6	25	10 (145)		69
		BR 80	1425	85,5	50,3	10 (145)		69
		BR 120	2125	127,5	75	10 (145)		69
		BR 160	2875	172,5	101,5	8 (116)		69
		BR 200	3500	210	123	7 (101)		69
		BR 240	4250	255	150	6 (86)		69
		BR 280	4950	297	174,8	5 (72)		69
		BREVO - 50	633	38	22,3	10 (145)		73
		BREVO - 90	1567	94	55,3	8 (116)		73
		BREVO - 170	2767	166	97,7	8 (116)		73
		BREVO - 260	4718	283	166,6	6 (86)		73



TECHNOLOGY		PUMPS	FLOW RATE			MAX ABS PRESSURE BAR/PSI	PAG.
			l/min	m³/h	cfm		
 Hose Reels Emptying Compressors		MECSC 6500	7000	420	247,2	4 (58)	77
		MECSC 8000	8100	486	286	4 (58)	77
		MEC II SC 9000	9030	541,8	318,9	4 (58)	77
		MEC II SC 11000	11137	668,2	393,2	4 (58)	77
		MEC II SC 13500	13845	850,7	488,9	4 (58)	77
		WPT 480	9700	582	342,5	4 (58)	77
		WPT 600	11800	708	416,7	4 (58)	77
		WPT 720	14200	852	501,4	4 (58)	77
TECHNOLOGY		GROUPS					PAG.
 Powered Units		GASOLINE ENGINE					81
		DIESEL ENGINE					81
		ELECTRIC MOTOR					81



**Battioni®
Pagani**

Setting the pace since 1953

Predisposition for overpressure valve

Predisposizione per valvola di sovrappressione
Vorbereitung für Überdruckventil

Non-return check valve as standard

Valvola di non ritorno di serie
Kontrollventil als Serie



**Forced lubrication pump as standard
(automatic lubrication on request)**

Pompa di lubrificazione forzata di serie
(lubrificazione automatica a richiesta)
Druckschmierung als Serie (Automatische
Schmierung auf Anfrage)



Long Life blades on request

Palette Long Life resistenti al calore a richiesta
Auf Anfrage hitzebeständigen Lamellen Long Life

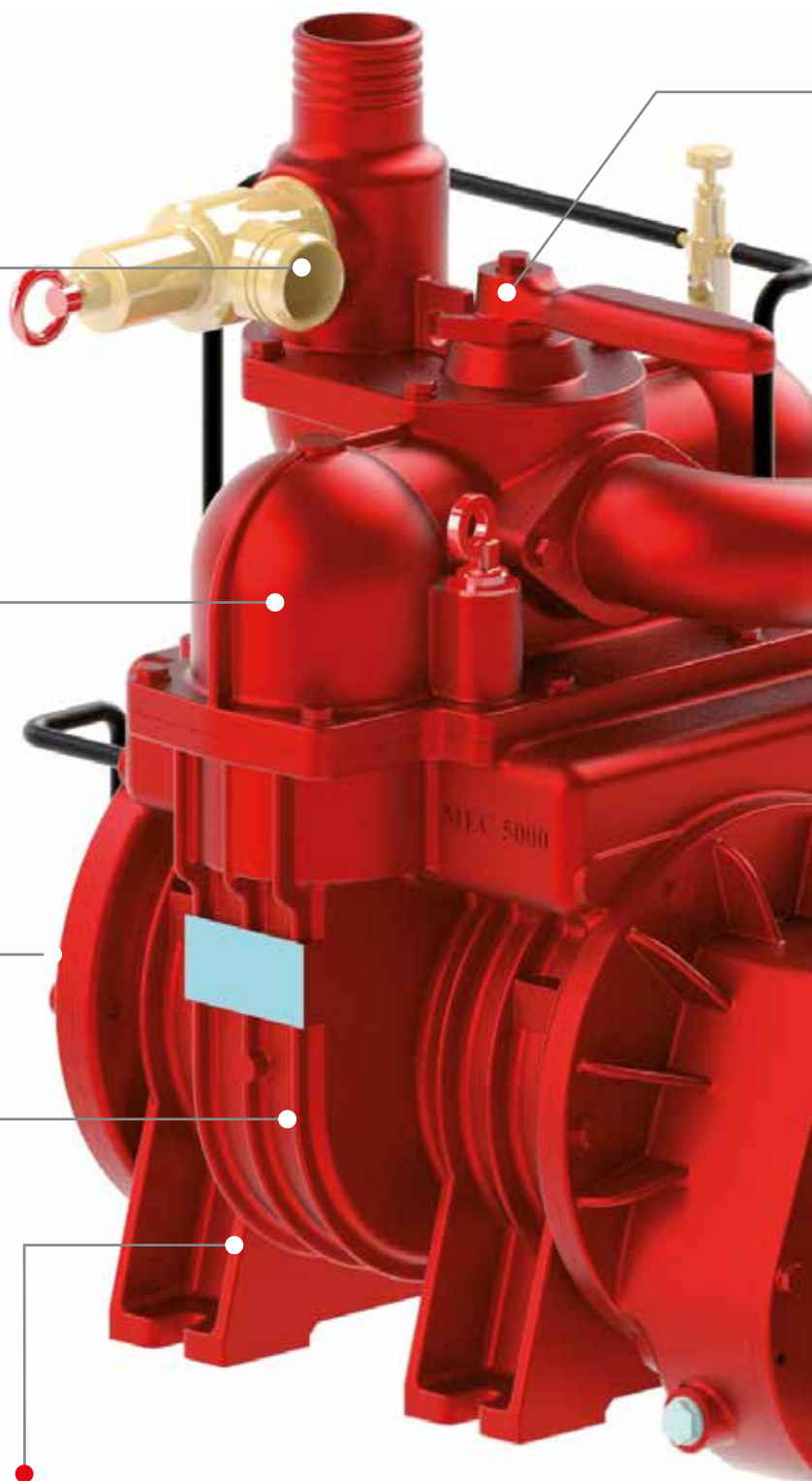


**AIR COOLED
ROTARY VANES
VACUUM/PRESSURE
PUMP**

**High wearing resistance thanks to cast-iron
with high hardness**

Elevata resistenza ad usura grazie a ghisa ad
alta durezza

Hohe Festigkeit zu Abnutzung für
Gußeisen mit hohe Härte



Selector vacuum - pressure

Selettore Vuoto - Pressione

Wähler von Vakuum/Druck

Blades inspection hole

Foro ispezione palette

Bohrung für Lamellen Prüfung



VERSIONS



MEC - M



MEC - P



MEC - D



MEC - H



MEC - HM

NEW

MEC the legend





MEC

1000 - 1600



**Battioni®
Pagani**

Setting the pace since 1953

MEC 1000/1600 – Light and compact design

The reliability and strength of the MEC is the result of continuous design and manufacturing improvements accomplished during 40 years of deployments.

Its light and compact design made MEC 1000/1600 the best vacuum pump for portable sanitation services and small vacuum tank for liquid applications.



STANDARD FEATURES

- 4-ways valve, non-return check valve.
- Available hoses connections: Ø 27 mm / Ø 45 mm / G 1" / G 1" 1/4
- Thread for Overpressure valve: Not available

VERSIONS

CCW as standard



Version M

Splined shaft
1"3/8 - Z6 ISO 500

CCW on request

CW as standard



Version P

Smooth Cylindrical shaft
Ø 22, lenght 48 mm
Parallel key UNI 6604

NEW

CW as standard



Version H

MEC 1000: Group 2 21.14 cc/rev - Pmax 200 bar - In G 1/2" - Out G 3/4"
MEC 1600: Group 2 21.14 cc/rev - Pmax 200 bar - In G 1/2" - Out G 3/4"

TECHNICAL DATA

	Geometrical capacity			Max rpm		Max abs pressure Bar (PSI)	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg		
	m³/h	l/min	cfm	M	P/H					M	P	H
MEC 1000	75,6	1260	45	600	1400	2,5 (36)	89% (26,3")	60% (18")	3,5 (4,7)	40	34	48
MEC 1600	118,8	1980	70	600	1400	2,5 (36)	89% (26,3")	60% (18")	4,5 (6)	48	42	56

OPTIONALS



Long Life Blades



Automatic Lubrication
Single lubrication point



Revolving Elbow
Ø 45 mm



Battioni Pagani Vacuum Pump Oil 5 lt.
Code 5070200100

NEW



Battioni Pagani Flushing Fluid 5 lt.
Code 5070200102

NEW



Flushing Kit
Code 6080200325



Customized Painting

ACCESSORIES



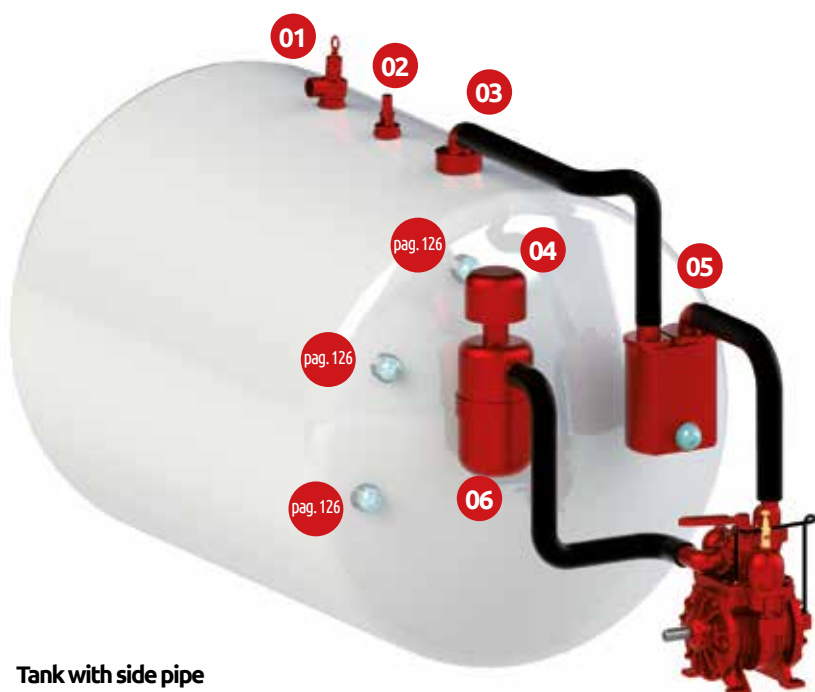
Overpressure Safety Valve - 1"1/4

Code 5100200009
Setting range:
+0,3 bar / +1,5 bar
Working temperature:
-20°C / +90°C
Thread: G 1"1/4
Weight: 0,94 kg



Vacuum Relief Valve 1"1/2

Code 5100200012
Setting range:
-0,3 bar / -0,8 bar
Working temperature:
-20°C / +90°C
Thread: G 1"1/2
Weight: 0,65 kg



Tank with side pipe



Filter - Silencer

Code 5090000110
Hose connection: Ø 45 mm
Weight: 2,5 kg



Rain Cap

Code 5090000111
For Filter/silencer only Ø 45 mm



Primary Overflow Valve - Single Rubber Ball

Code 6100200006 - Ø45
Iron ring to be welded
Weight: 4,5 kg



Secondary Valve - Single Rubber Ball

Code 6100200003 - Ø45
Weight: 17,5 kg



Discharge Valve - 3/4"

Code 5040200006
To be fitted on Secondary valve



Gauge - Ø 80 mm Axial Connection

Code 5101700007
To be fitted on Secondary valve



MEC

2000 - 3000 - 4000



**Battioni®
Pagani**

Setting the pace since 1953

MEC 2000 / 3000 / 4000 – Simple and practical design

The reliability and strength of the MEC is the result of continuous design and manufacturing improvements accomplished during 40 years of deployments. It's simple and practical design made the MEC pumps the product of reference for agricultural and municipalities septic applications.

STANDARD FEATURES

- Forced lubrication, 4-ways valve, non-return check valve
- Available hoses connections: Ø 45 mm / Ø 60 mm / G 2"
- Thread for Overpressure valve: G 1 1/4



VERSIONS

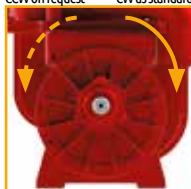
CCW as standard



Version M

Splined shaft
1"3/8 - Z6 ISO 500

CCW on request CW as standard



Version P

Smooth Cylindrical shaft
Ø 30, lenght 70 mm
Parallel key UNI 6604

CCW as standard

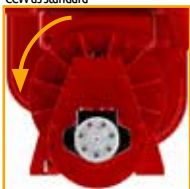


Version D

Splined shaft
1"3/8 - Z6 ISO 500

NEW

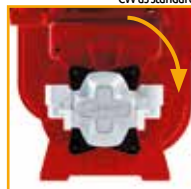
CCW as standard



Version HM

125.7 cc/rev-
Pmax 175 bar
In G 1/2" - Out G 1/2"

CW as standard



Version H

MEC 2000: Group 3 26.7 cc/rev - Pmax 280 bar - In G 1" - Out G 3/4"
MEC 3000: Group 3 26.7 cc/rev - Pmax 280 bar - In G 1" - Out G 3/4"
MEC 4000: Group 3.5 43.98 cc/rev - Pmax 250 bar - In G 1" - Out G 1"

TECHNICAL DATA

	Geometrical capacity			Max rpm		Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kw (HP)	Weight kg				
	m³/h	l/min	cfm	M/HM	P/D/H					M	P	D	H	HM
MEC 2000	165	2750	97	600	1400	2,5 (36)	91% (27,0")	60% (18")	5,5 (7,3)	75	65	65	81	77
MEC 3000	216	3600	127	600	1400	2,5 (36)	92% (27,2")	60% (18")	7 (9,4)	87	77	77	92	89
MEC 4000	261	4350	154	600	1400	2,5 (36)	94% (28,0")	60% (18")	9 (12,6)	100	90	90	116	102

OPTIONALS



Long Life Blades



Automatic Lubrication
Single lubrication points



Side Outlet
With two revolving elbows



Double Outlet
Ø 60 mm



Revolving Elbow
Ø 45 mm
Ø 51 mm
Ø 60 mm



EN 707 Lever
Code 6080200162



Hydraulic Changeover
Code 6080200217



Hydraulic Revolving Changeover
Code 5090000008



Pneumatic Revolving Changeover
Code 6080200160

NEW



Kit Vacuum Relief Valve For Revolving Elbow
Code 6080200390

NEW



Kit Valves and manometer tree
1" 1/4
Code 6080200391

NEW



Kit Overpressure 1 1/4 safety valve for Revolving Elbow
Code 6080200349

OPTIONALS



**Battioni Pagani
Vacuum
Pump Oil 5 lt.**
Code 5070200100

NEW



**Battioni Pagani
Flushing Fluid 5 lt.**
Code 5070200102

NEW



Flushing Kit
Code 6080200325



**Customized
Painting**

MEC
2000 - 3000 - 4000



Air cooled - Rotary Vanes
Vacuum/Pressure pumps

ACCESSORIES



**Vacuum Relief Valve
1 1/2**
Code 5100200012
Setting range:
-0,3 bar / -0,8 bar
Working temperature:
-20°C / +90°C
Thread: G 1 1/2
Weight: 0,65 kg



**Overpressure Safety
Valve - 1 1/4**
Code 5100200009
Setting range:
+0,3 bar / +1,5 bar
Working temperature:
-20°C / +90°C
Thread: G 1 1/4
Weight: 0,94 kg



Tank with side pipe



Filter - Silencer
Code 5090000110-Ø 45
MEC 2000
Code 5090000083-Ø 60
MEC 3000 - 4000
Weight: 3,9 kg



Rain Cap
Code 5090000111-Ø 45
For Filter/silencer only
MEC2000
Code 5090000060-Ø 60
For Filter/silencer only
MEC 3000 - 4000



Pre-Filter
Code 5090000045-Ø 60
For Filter/silencer only
MEC 3000 - 4000



**Primary Overflow Valve
- Single Rubber Ball**
Code 6100200006-Ø 45
Code 6100200007-Ø 60
Iron ring to be welded
Weight: 4,5 kg



**Secondary Valve - Single
Rubber Ball**
Code 6100200003-Ø 45
Code 6100200004-Ø 60
Weight: 17,5 kg



Discharge Valve - 3/4"
Code 5040200006
To be fitted on Secondary
valve



**Gauge - Ø 80 mm Axial
Connection**
Code 5101700007
To be fitted on Secondary
valve



MEC

5000 - 6500 - 8000



**Battioni®
Pagani**

Setting the pace since 1953

MEC 5000 / 6500 / 8000 – The Legend

More than 500.000 MEC pumps have been put in operation to empty cesspits and transport slurry in agricultural and industrial applications.

The reliability and strength of the MEC is the result of continuous design and manufacturing improvements accomplished during 40 years of deployments.



STANDARD FEATURES

- Forced lubrication, 4-ways valve, check valve
- Thread for Overpressure valve: G 1"1/2
- Available hoses connections: Ø 60 mm / Ø 76 mm (3") / Ø 80 mm

VERSIONS

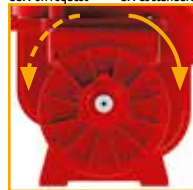
CCW as standard



Version M

Splined shaft
1"3/8 - Z6 ISO 500

CCW on request



Version P

Smooth Cylindrical shaft
Ø 32, lenght 70 mm
Parallel key UNI 6604

CW as standard

CCW as standard



Version D

Splined shaft
1"3/8 - Z6 ISO 500

NEW

CCW as standard



Version HM

125.7 cc/rev-
Pmax 175 bar
In G 1/2" - Out G 1/2"

CW as standard



Version H

MEC 5000: Group 3.5 43.98 cc/rev - Pmax 250 bar - In G 1" - Out G 1"
MEC 6500: Group 3.5 43.98 cc/rev - Pmax 250 bar - In G 1" - Out G 1"
MEC 8000: Group 3.5 51.83 cc/rev - Pmax 230 bar - In G 1" - Out G 1"

TECHNICAL DATA

	Geometrical capacity			Max rpm		Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kw (HP)	Weight kg				
	m³/h	l/min	cfm	M/HM	P/D/H					M	P	D	H	HM
MEC 5000	369	6150	217	600	1400	2,5 (36)	94% (28,0")	60% (18")	11 (14,7)	130	121	121	136	132
MEC 6500	420	7000	247	600	1400	2,5 (36)	94% (28,0")	60% (18")	12,5 (16,7)	148	139	139	154	150
MEC 8000	486	8100	286	600	1400	2,5 (36)	94% (28,0")	60% (18")	16 (21,4)	160	151	151	167	162

OPTIONALS



Long Life Blades



Automatic Lubrication

MEC 5000: Single lubrication points
MEC 6500-8000: Double lubrication points



Side Outlet

With two revolving elbows



Double Outlet

Ø 60 mm



Revolving Elbow

Ø 60 mm /
Ø 76 mm (3") /
Ø 80 mm



EN 707 Lever

Code 6080200161



Hydraulic Changeover

Code 6080200175



Hydraulic Revolving Changeover

Code 5090000073



Pneumatic Revolving Changeover

Code 6080200114



NEW

Kit Aluminum final air filter 500

Code 6080200363



NEW

Kit Valves and manometer tree 1" 1/2

Code 6080200392



Customized Painting

OPTIONALS



**Battioni Pagani
Vacuum
Pump Oil 5 lt.**
Code 5070200100

NEW



**Battioni Pagani
Flushing Fluid 5 lt.**
Code 5070200102

NEW



Flushing Kit
Code 6080200325

MEC
5000 - 6500 - 8000



Air cooled - Rotary Vanes
Vacuum/Pressure pumps

ACCESSORIES

01



**Vacuum Relief Valve
1 1/2**
Code 5100200012
Setting range:
-0,3 bar / -0,8 bar
Working temperature:
-20°C / +90°C
Thread: G 1 1/2
Weight: 0,65 kg

02



**Overpressure Safety
Valve - 1 1/2**
Code 5100200010
Setting range:
+0,3 bar / +1,5 bar
Working temperature:
-20°C / +90°C
Thread: G 1 1/2
Weight: 1,02 kg

06



Filter-Silencer
Code 5090000083-Ø 60
MEC 5000
Code 5090000044-Ø 80
MEC 6500/8000
Weight: 7 kg (9.9 lb)

04A



Rain Cap
Code 5090000060-Ø 60
MEC 5000
Code 5090000061-Ø 80
MEC 6500/8000
For Filter/silencer only

04B



Pre-Filter
Code 5090000045-Ø 60
MEC 5000
Code 5090000046-Ø 80
MEC 6500/8000
For Filter/silencer only



Tank with side pipe

03



**Primary Overflow Valve -
Single Rubber Ball**
Code 6100200007 - Ø 60
Code 6100200008 - Ø 80
Iron ring to be welded
Weight: 4,7/9,6 kg

05



**Secondary Valve - Single
Rubber Ball**
Code 6100200004 - Ø 60
Code 6100200005 - Ø 80
Weight: 18,5/20,5 kg

05A



Discharge Valve - 3/4"
Code 5040200006
To be fitted on Secondary
valve

05B



**Gauge - Ø 80 mm Axial
Connection**
Code 5101700007
To be fitted on Secondary
valve



**Battioni®
Pagani**

Setting the pace since 1953

Kit Aluminum Final Air Filter

Kit filtro aria alluminio
Saugfilter Satz

**Predisposition for
overpressure valve**

Predisposizione per valvola
di sovrappressione
Vorbereitung für
Überdruckventil

Selector vacuum - pressure

Selettore Vuoto - Pressione
Wähler von Vakuum/Druck

Temperature indicator

Rilevatore di temperatura
Temperaturdedektor



**160° C Irreversible
indicator**

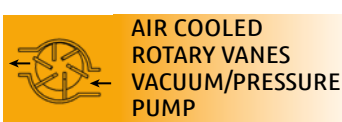
Indicatore
Irreversibile 160° C
irreversibel
Anzeiger 160°C

**Forced lubrication pump as standard
(automatic lubrication on request)**

Pompa di lubrificazione forzata di serie
(lubrificazione automatica a richiesta)
Druckschmierung als Serie (Automatische
Schmierung auf Anfrage)

Long Life blades as standard

Palette "long life" resistenti al calore di serie
Hitzebeständigen Lamellen aus Spezialmaterial als Serie



**AIR COOLED
ROTARY VANES
VACUUM/PRESSURE
PUMP**

**High wearing resistance thanks to cast-iron with
high hardness**

Elevata resistenza ad usura grazie a ghisa ad alta
durezza

Hohe Festigkeit zu Abnutzung für
Gußisen mit hohe Härte



External Oil level indicator
Indicatore livello olio esterno
Ölstandsanzeige

CPS - CRASH PROTECTION SYSTEM

Sliding Flanges to avoid breakages of the body and rotor during vanes crashes

Flange con asole di scorrimento in caso di ingresso materiale o rottura palette
Flansche mit Slotsblaettern falls Materialschmierung oder Palettenbruch

Flange-housing alignment control
Tacca di allineamento flangia - corpo
Ausrichtmarke der Flanschgehäuse

Blades inspection hole
Foro ispezione palette
Bohrung für Lamellen Prüfung

Vanes inspection hole with max wearing indicator

Tacca per rilevamento usura palette
Ausrichtmarke für die Abnutzung der Palette

Compression and thrust rings for bearings
Anello di compensazione
Ausgleichsring

VERSIONS



MEC - M/MA



MEC - P



MEC - D



MEC - H

Discover the CPS - Crash Protection System





MEC II

9000 - 11000 - 13500



Battioni®
Pagani

Setting the pace since 1953

MEC II – The Legend continues

Designed in cooperation with SPRInT, the Team of Engineering and Research of the Department of Industrial Engineering at the University of Parma, the MEC II pump represents a technology breakthrough resulted from a major joint effort in product **development and innovative design processes**.

The MEC II features the **Crash Protection System**: a sliding flanges protection mechanism that prevents the housing or rotor to break of in case of vanes crash. The pump is easily repairable inexpensively in field.



STANDARD FEATURES

- Long Life Blades, Crash Protection System, forced lubrication, external oil level indicator, side outlets, exhaust elbow, 4-ways valve, check valve
- Thread for Overpressure valve: G 2"
- Available hoses connections: Ø 76 mm (3") / Ø 80 mm / Ø 100 mm (4")

VERSIONS

CCW as standard



Version M - MA
Splined shaft
1"3/8 - Z6 ISO 500

CCW on request CW as standard



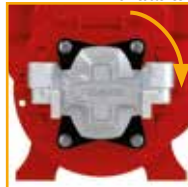
Version P
Smooth Cylindrical shaft,
Ø 32, lenght 63 mm
Parallel key UNI 6604

CCW as standard



Version D
Splined shaft
1"3/8 - Z6 ISO 500

CW as standard



Version H
MEC 9000: Group 3.5 51.83 cc/rev - Pmax 230 bar - In G 1" - Out G 1"
MEC 11000: Group 3.5 73.82 cc/rev - Pmax 180 bar - In G 1" - Out G 1"1/4
MEC 13500: Group 4 86.56 cc/rev - Pmax 280 bar - In G 1"1/4 - Out G 1"1/2

TECHNICAL DATA

	Geometrical capacity			Max rpm			Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg			
	m³/h	l/min	cfm	M	MA	P/D/H					M/MA	P	D	H
MEC II 9000	541,8	9030	319	600	1000	1400	2,5 (36)	95% (28,5")	60% (18")	17 (22,8)	145	131	132	154
MEC II 11000	668,22	11137	393	600	1000	1400	2,5 (36)	95% (28,5")	60% (18")	21 (28,2)	160	146	147	170
MEC II 13500	830,7	13845	489	600	1000	1400	2,5 (36)	95% (28,5")	60% (18")	25 (33,5)	178	164	165	205

OPTIONALS



Automatic Lubrication
Double lubrication points



Kit Aluminum Final Air Filter 1300
Code 6080200290



Side Outlet With Two Revolving Elbows
Elbows Ø 76/80/100



Double Outlet
Ø 80 mm



Kit Vacuum Relief Valve For Revolving Elbow
Code 6080200181



Extra Side Tank
Code 6080200304 (LA)
Code 6080200310 (LF)



EN 707 Lever
Code 6080200173



Hydraulic Changeover
Code 6080200176



Hydraulic Revolving Changeover
Code 5090000078



Pneumatic Revolving Changeover
Code 6080200238



Pneumatic Revolving Changeover - 3 Positions
Code 6080200293



Customized Painting

OPTIONALS



**Battioni Pagani
Vacuum
Pump Oil 5 lt.**
Code 5070200100

NEW



**Battioni Pagani
Flushing Fluid 5 lt.**
Code 5070200102

NEW



Flushing Kit
Code 6080200325

MEC II

9000 - 11000 - 13500



Air cooled - Rotary Vanes
Vacuum/Pressure pumps

ACCESSORIES



**Vacuum Relief Valve
1 1/2**
Code 5100200012
Setting range:
-0,3 bar / -0,8 bar
Working temperature:
-20°C / +90°C
Thread: G 1 1/2
Weight: 0,65 kg



**Overpressure Safety
Valve - 2"**
Code 5100200011
Setting range:
+0,3 bar / +1,5 bar
Working temperature:
-20°C / +90°C
Thread: G 2"
Weight: 1,2 kg



Filter - Silencer
Code 5090000025
MEC 9000-11000-Ø80
Code 5090000026
MEC 13500-Ø100
Hose connection:
Ø 80/100 mm
Weight: 9,5/13 kg



Rain Cap
Code 5090000061
MEC 9000-11000 - Ø 80
Code 5090000062
MEC 13500 - Ø 100
Weight: 0,4 kg



Pre-Filter
Code 5090000046
MEC 9000-11000 - Ø 80
Code 5090000047
MEC 13500 - Ø 100



Tank with side pipe



**Primary Overflow
Valve - Two Balls**
Code 6100200030-Ø76
Code 6100200025-Ø80
Code 6100200026-Ø100
Iron ring to be welded
Weight: 13,9/14,0 kg



**Primary Overflow
Valve - One SS Ball**
Code 6100200027-
Ø80 SS
Code 6100200028-
Ø100 SS
Ball material: AISI 316
Iron ring to be welded



**Secondary Valve - Two
Balls**
Code 6100200035-Ø76
Code 6100200021-Ø80
Code 6100200022-Ø100
Weight: 35,6 kg



Discharge Valve - 1"
Code 5040200014
To be fitted on Secondary
valve



**Gauge - Ø 80 mm Axial
Connection**
Code 5101700007
To be fitted on Secondary
valve



**Battioni®
Pagani**

Setting the pace since 1953

Kit Aluminum Final Air Filter

Kit filtro aria alluminio
Saugfilter Satz

Predisposition for overpressure valve

Predisposizione per valvola di sovrappressione
Vorbereitung für Überdruckventil

Non-return check valve as standard

Valvola di non ritorno di serie
Kontrollventil als Serie



**Forced lubrication pump as standard
(automatic lubrication on request)**

Pompa di lubrificazione forzata di serie
(lubrificazione automatica a richiesta)
Druckschmierung als Serie (Automatische
Schmierung auf Anfrage)



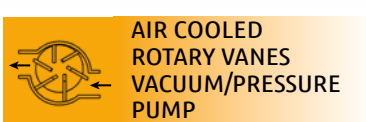
Selector vacuum - pressure

Selettore Vuoto - Pressione
Sélecteur vide-pression

**High wearing resistance thanks to cast-iron
with high hardness**

Elevata resistenza ad usura grazie a ghisa ad
alta durezza.

Hohe Festigkeit zu Abnutzung für Gußeisen
mit hohe Härte





Depression valve as standard

Valvola di regolazione vuoto di serie
Unterdruckventil als Serie

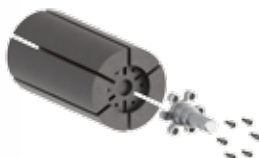
Blades inspection hole

Foro ispezione palette
Bohrung für Lamellen Prüfung



Rotor with steel pins fixed on it to help maintenance operations

Rotore con perni in acciaio riportati
per facilitare interventi di manutenzione
Rotor mit stahl Stifte eingebaut auf
Rotor für leichte Unterhaltung



VERSIONS



STAR - M/MA



STAR - P



STAR - D



STAR - H



STAR - K/KA

*Steel shafts bolted
to the rotor*





STAR

60 - 72 - 84



**Battioni®
Pagani**

Setting the pace since 1953

STAR – Power and efficiency

The STAR's rotor has fixed steel pins to grant easy maintenance and significant reduction of maintenance costs.

By wide intake and delivery chambers the STAR pump provides the highest vacuum efficiency. STAR's design features and performances make this pump ideal for more demanding agricultural applications and for septic emptying by medium size tanks.



STANDARD FEATURES

- Double lubrication points, 4-ways valve, check valve, Side outlets with one revolving elbow, Vacuum relief valve
- Thread for Overpressure valve: G 2"
- Available hoses connections: Ø 76 mm (3") / Ø 80 mm / Ø 100 mm (4")

VERSIONS

CCW as standard



Version M - MA

Splined shaft
1"3/8 - Z6 ISO 500

CCW on request

CW as standard



Version P

Smooth Cylindrical shaft,
Ø 40, lenght 90 mm
Parallel key UNI 6604

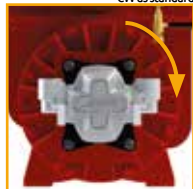
CCW as standard



Version D

Splined shaft
1"3/8 - Z6 ISO 500

CW as standard



Version H

Group 4 86.56 cc/rev -
Pmax 280 bar
In G 1"1/4 - Out G 1" 1/2

CCW as standard



Version K-KA

Splined shaft
1"3/8 - Z6 ISO 500
Support Gr. 2 or Gr. 3
Hydraulic pump on request

TECHNICAL DATA

	Geometrical capacity			Max rpm			Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kw (HP)	Weight kg				
	m³/h	l/min	cfm	M/K	MA/KA	P/D/H					M/MA	P	D	H	K/KA
STAR 60	640,8	10680	377,1	600	1000	1200	2,5 (36)	95% (28,5")	60% (18")	19 (25,5)	209	200	200	236	214
STAR 72	712,2	11870	419,2	600	1000	1200	2,5 (36)	95% (28,5")	60% (18")	21 (28,2)	225	216	216	252	230
STAR 84	865,2	14420	509,2	600	1000	1200	2,5 (36)	95% (28,5")	60% (18")	25 (33,5)	250	241	241	277	255

OPTIONALS



Long Life Blades



Automatic Lubrication
Double lubrication points



Kit Aluminum Final Air Filter 1300
Code 6080200290



Side Outlet With Two Revolving Elbows



EN 707 Lever
Code 6080200163



Revolving Elbow
Ø 76 mm (3") /
Ø 80 mm
Ø 100 mm



Hydraulic Revolving Changeover
Code 5090000078



Pneumatic Revolving Changeover
Code 6080200116



Pneumatic Revolving Changeover - 3 Positions
Code 6080200294



Hydraulic Changeover
Code 6080200176



Customized Painting

OPTIONALS

STAR

60 - 72 - 84



Air cooled - Rotary Vanes
Vacuum/Pressure pumps



**Battioni Pagani
Vacuum
Pump Oil 5 lt.**
Code 5070200100

NEW



**Battioni Pagani
Flushing Fluid 5 lt.**
Code 5070200102

NEW



Flushing Kit
Code 6080200325

ACCESSORIES

02



**Overpressure Safety
Valve - 2"**
Code 5100200011
Setting range:
+0,3 bar / +1,5 bar
Working temperature:
-20°C / +90°C
Thread: G 2"
Weight: 1,2 kg

06



Filter-Silencer
Code 5090000025
STAR 60-Ø80
Code 5090000026
STAR 72-84-Ø100
Hose connection:
Ø 80/100 mm
Weight: 9,5/13 kg



04A



Rain Cap
Code 5090000061
STAR 60
Code 5090000062
STAR 72-84
Weight: 0,4 kg

04B



Prefilter for Silencer
Code 5090000046
STAR 60
Code 5090000047
STAR 72-84
Weight: 1,1 kg

Tank with side pipe

03A



**Primary Overflow
Valve - Two Balls**
Code 6100200030 - Ø 76
Code 6100200025 - Ø 80
Code 6100200026 - Ø 100
Iron ring to be welded
Weight: 13,9/14,0 kg

05



**Secondary valve - Two
balls**
Code 6100200035 - Ø 76
Code 6100200021 - Ø 80
Code 6100200022 - Ø 100
Weight: 35,6 kg

03B



**Primary Overflow
Valve - One SS Ball**
Code 6100200027 -
Ø 80 SS
Code 6100200028 -
Ø 100 SS
Ball material: AISI 316
Iron ring to be welded
Weight: 13,8/13,9 kg

05A



Discharge valve - 1"
Code 5040200014
To be fitted on Secondary
valve

05B



**Gauge - Ø 80 mm Axial
Connection**
Code 5101700007
To be fitted on Secondary
valve



**Battioni®
Pagani**

Setting the pace since 1953

Kit Aluminum Final Air Filter

Kit filtro aria alluminio
Saugfilter Satz

**Predisposition for
overpressure valve**

Predisposizione
per valvola di sovrappressione
Vorbereitung für
Überdruckventil

**Forced lubrication pump as standard
(automatic lubrication on request)**

Pompa di lubrificazione forzata di serie
(lubrificazione automatica a richiesta)
Druckschmierung als Serie (Automatische
Schmierung auf Anfrage)

Temperature indicator

Rilevatore di temperatura
Temperaturdedektor



**160° C Irreversible
indicator**

Indicatore
Irreversibile 160° C
irreversibel
Anzeiger 160°C

**Nr. 8 Long Life Blades as standard
Heat-resistant blades of special material as standard**
Nr.8 Palette "long life" resistenti al calore di serie
Nr. 8 Hitzebeständigen Lamellen aus Spezialmaterial als
Serie



Extend Oil level indicator

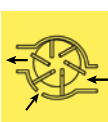
Indicatore livello olio esterno
Ölstandsanzeige

Air injection cooling

Iniezione aria di raffreddamento
Injektion der Luftkühlung



Cooling



**AIR INJECTION
COOLED - ROTARY
VANES VACUUM/
PRESSURE PUMP**



3500 - 4500 - 6000 - 7500 - 9000 - 11000 - 13500

● **Selector vacuum - pressure**
Selettore Vuoto - Pressione
Wähler von Vakuum/Druck



● CPS - CRASH PROTECTION SYSTEM

Sliding Flanges to avoid breakages of the body and rotor during vanes crashes

Flange con asole di scorrimento in caso di ingresso materiale o rottura palette

Flansche mit Slotsblättern falls Materialschmierung oder Palettenbruch



● Flange-housing alignment control

Tacca di allineamento flangia - corpo
Ausrichtmarke der Flanschgehäuse

● Blades inspection hole

Foro ispezione palette

Bohrung für Lamellen Prüfung

● Vanes inspection hole with max wearing indicator

Tacca per rilevamento usura palette

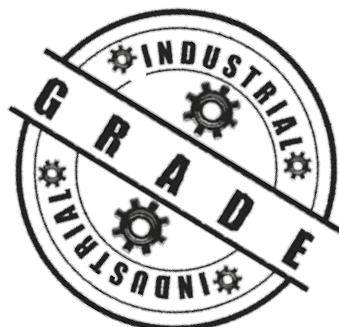
Ausrichtmarke für die Abnutzung der Palette



● Compression and thrust rings for bearings

Anello di compensazione

Ausgleichsring



VERSIONS



BALLAST - M/MA



BALLAST - P

Air injection cooled -
Rotary Vanes Vacuum/
Pressure pump



BALLAST - D



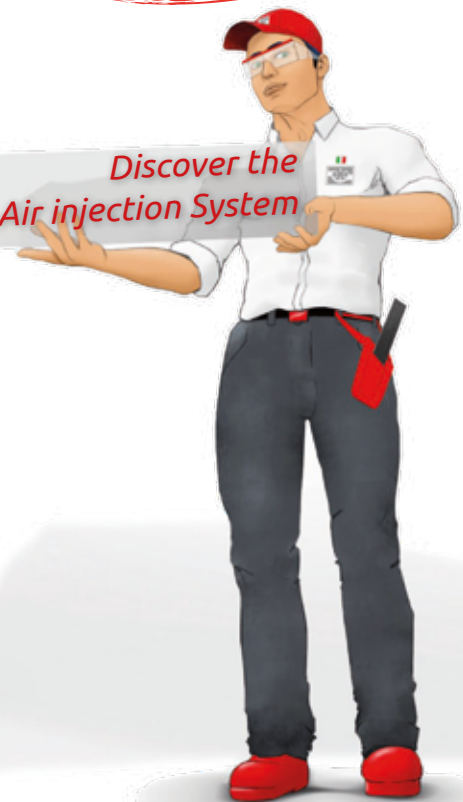
BALLAST - H

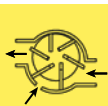


BALLAST - HM

NEW

Discover the
Air injection System





BALLAST

3500 - 4500 - 6000 - 7500



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The BALLAST is the ideal pump for heavy duty applications.



STANDARD FEATURES

- Long Life Blades, Crash Protection System, forced lubrication, external oil level indicator, side outlets, exhaust elbows, 4-ways valve, check valve
- Thread for Overpressure valve: G 1 1/2"
- Available hoses connections: Ø 45 mm / Ø 60 mm / Ø 76 mm (3") / Ø 80 mm

VERSIONS

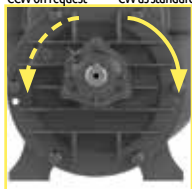
CCW as standard



Version M

Splined shaft
1 1/8" - Z6 ISO 500

CCW on request



Version P

Smooth Cylindrical shaft,
Ø 32, lenght 63 mm
Parallel key UNI 6604

CW as standard

CCW as standard



Version D

Splined shaft
1 1/8" - Z6 ISO 500

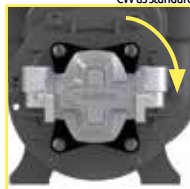
CCW as standard



Version HM

125.7 cc/rev -
Pmax 175 bar
In G 1/2" - Out G 1/2"

CW as standard



Version H

BALLAST 3500: Group 3 26.7 cc/rev - Pmax 280 bar - In G 1" - Out G 3/4"
BALLAST 4500: Group 3.5 43.98 cc/rev - Pmax 250 bar - In G 1" - Out G 1"
BALLAST 6000: Group 3.5 43.98 cc/rev - Pmax 250 bar - In G 1" - Out G 1"
BALLAST 7500: Group 3.5 51.83 cc/rev - Pmax 230 bar - In G 1" - Out G 1"

TECHNICAL DATA

	Geometrical capacity			Max rpm		Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg				
	m³/h	l/min	cfm	M/HM	P/D/H					M	P	D	H	HM
BALLAST 3500	217,3	3621	128	540	1400	2,5 (36)	92% (27,2")	70% (21")	8 (10,7)	101	86	87	100	103
BALLAST 4500	275,6	4593	162	540	1400	2,5 (36)	92% (27,2")	70% (21")	10 (13,4)	111	96	97	111	113
BALLAST 6000	371,0	6183	218	540	1400	2,5 (36)	94% (28,0")	70% (21")	12 (16,1)	126	111	112	126	128
BALLAST 7500	455,8	7596	268	540	1400	2,5 (36)	94% (28,0")	70% (21")	14 (18,8)	144	129	130	145	146

OPTIONALS



Automatic Lubrication

Double lubrication points



EN 707 Lever

Code 6080200299



Hydraulic Changeover

Code 6080200303



Pneumatic Revolving Changeover

Code 6080200302



Kit Aluminum Final air filter 500

Code 6080200363



Revolving Elbow

Ø 45 mm /
Ø 60 mm /
Ø 76 mm (3") /
Ø 80 mm



**Battioni Pagani
Vacuum
Pump Oil 5 lt.**
Code 5070200100



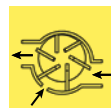
**Battioni Pagani
Flushing Fluid 5 lt.**
Code 5070200102



Flushing Kit
Code 6080200325



**Customized
Painting**



ACCESSORIES

01



Vacuum Relief Valve 1"1/2

Code 5100200012
Setting range:
-0,3 bar / -0,8 bar
Working temperature:
-20°C / +90°C
Thread: G 1"1/2
Weight: 0,65 kg

02



Overpressure Safety Valve - 1"1/2

Code 5100200010
Setting range:
+0,3 bar / +1,5 bar
Working temperature:
-20°C / +90°C
Thread: G 1"1/2
Weight: 1,02 kg

Air injection cooled -
Rotary Vanes Vacuum/
Pressure pump



Tank with side pipe

06



Filter - Silencer
Code 5090000110
Ø 45 mm
Code 5090000083
Ø 60 mm
Code 5090000044
Ø 80 mm
Hose connection:
Ø 45-60-80 mm
Weight: 4-7 kg

04A



Rain Cap
Code 5090000111
Ø 45 mm
Code 5090000060
Ø 60 mm
Code 5090000061
Ø 80 mm
Weight: 0,3/0,4 kg

04B



Pre-Filter
Code 5090000045
Ø 60 mm
Code 5090000046
Ø 80 mm
Weight: 0,6/1,1 kg

03



Primary Overflow Valve - Single Rubber Ball

Code 6100200006 - Ø 45
Code 6100200007 - Ø 60
Code 6100200008 - Ø 80
Iron ring to be welded
Weight: 4,7/9,6 kg

05



Secondary Valve - Single Rubber Ball

Code 6100200003 - Ø 45
Code 6100200004 - Ø 60
Code 6100200005 - Ø 80
Weight: 18,5/20,5 kg

05A



Discharge Valve - 3/4"
Code 5040200006
To be fitted on Secondary
valve

05B



Gauge - Ø 80 mm Axial Connection

Code 5101700007
To be fitted on Secondary
valve



BALLAST

9000 - 11000 - 13500



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Pagani**

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BALLAST – Built to last

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The BALLAST is the ideal pump for heavy duty applications.



STANDARD FEATURES

- Long Life Blades, Crash Protection System, forced lubrication, external oil level indicator, side outlets, exhaust elbows, 4-ways valve, poppet check valve
- Thread for Overpressure valve: G 2"
- Available hoses connections: Ø 76 mm (3") / Ø 80 mm / Ø 100 mm (4")

VERSIONS

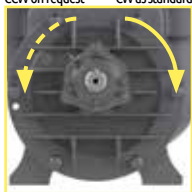
CCW as standard



Version M - MA

Splined shaft
1"3/8 - Z6 ISO 500

CCW on request

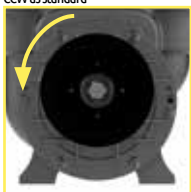


Version P

Smooth Cylindrical shaft,
Ø 32, lenght 63 mm
Parallel key UNI 6604

CW as standard

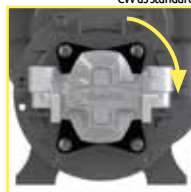
CCW as standard



Version D

Splined shaft
1"3/8 - Z6 ISO 500

CW as standard



Version H

MEC 9000: Group 3.5 51.83 cc/rev - Pmax 230 bar - In G 1" - Out G 1"
MEC 11000: Group 3.5 73.82 cc/rev - Pmax 180 bar - In G 1" - Out G 1"1/4
MEC 13500: Group 4 86.56 cc/rev - Pmax 280 bar - In G 1"1/4 - Out G 1"1/2

TECHNICAL DATA

	Geometrical capacity			Max rpm			Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg			
	m³/h	l/min	cfm	M	MA	P/D/H					M/MA	P	D	H
BALLAST 9000	541,8	9030	319	600	1000	1400	2,5 (36)	95% (28,5")	70% (21")	17 (22,8)	145	131	132	154
BALLAST 11000	668,22	11137	393	600	1000	1400	2,5 (36)	95% (28,5")	70% (21")	21 (28,2)	160	146	147	170
BALLAST 13500	830,7	13845	489	600	1000	1400	2,5 (36)	95% (28,5")	70% (21")	25 (33,5)	178	164	165	205

OPTIONALS



Automatic Lubrication

Double lubrication points



Kit Aluminum Final Air Filter 1300
Code 6080200290



Side Outlet With Two Revolving Elbows
Ø 76 mm/80/100



Double Outlet
Ø 80 mm



Kit Vacuum Relief Valve For Revolving Elbow
Code 6080200181



Extra Side Tank
Code 6080200304 (LA)
Code 6080200310 (LF)



EN 707 Lever
Code 6080200173



Hydraulic Changeover
Code 6080200176



Hydraulic Revolving Changeover
Code 509000078



Pneumatic Revolving Changeover
Code 6080200238



Pneumatic Revolving Changeover - 3 Positions
Code 6080200293



Customized Painting

OPTIONALS



**Battioni Pagani
Vacuum
Pump Oil 5 lt.**
Code 5070200100

NEW



**Battioni Pagani
Flushing Fluid 5 lt.**
Code 5070200102

NEW



Flushing Kit
Code 6080200325

BALLAST

9000 - 11000 - 13500



ACCESSORIES



**Vacuum Relief Valve
1 1/2**

Code 5100200012
Setting range:
-0,3 bar / -0,8 bar
Working temperature:
-20°C / +90°C
Thread: G 1 1/2
Weight: 0,65 kg



**Overpressure Safety
Valve - 2"**

Code 5100200011
Setting range:
+0,3 bar / +1,5 bar
Working temperature:
-20°C / +90°C
Thread: G 2"
Weight: 1,02 kg



Tank with side pipe



Filter - Silencer
Code 5090000025
BALLAST 9000-11000
Ø 80 mm
Code 5090000026
BALLAST 13500
Ø 100 mm
Hose connection:
Ø 80/100 mm
Weight: 9,5/13 kg



Rain Cap
Code 5090000061
BALLAST 9000-11000
Code 5090000062
BALLAST 13500
Weight: 0,4 kg



Pre-Filter
Code 5090000046
BALLAST 9000-11000
Code 5090000047
BALLAST 13500



**Primary Overflow
Valve - Two Balls**
Code 6100200030 - Ø 76
Code 6100200025 - Ø 80
Code 6100200026 - Ø 100
Iron ring to be welded
Weight: 13,9/14,0 kg



**Primary Overflow
Valve - One SS Ball**
Code 6100200027 -
Ø 80 SS
Code 6100200028 -
Ø 100 SS
Ball material: AISI 316
Iron ring to be welded



**Secondary Valve - Two
Balls**
Code 6100200035 - Ø 76
Code 6100200021 - Ø 80
Code 6100200022 - Ø 100
Weight: 35,6 kg



Discharge Valve - 1"
Code 5040200014
To be fitted on Secondary
valve



**Gauge - Ø 80 mm Axial
Connection**
Code 5101700007
To be fitted on Secondary
valve

Air injection cooled -
Rotary Vanes Vacuum/
Pressure pump



**Battioni®
Pagani**

Setting the pace since 1953



Non-return valve

Valvola di non ritorno
Kontrollventil als Serie

Automatic lubrication pump as standard

Pompa di lubrificazione automatica di serie
Automatische Schmierung als Serie



Temperature indicator

Rilevatore di temperatura
Temperaturdedektor



160° C Irreversible indicator

Indicatore
Irreversibile 160° C
irreversibel
Anzeiger 160°C

Long Life blades as standard

Palette "long life" resistenti al calore di serie
Hitzebeständigen Lamellen aus
Spezialmaterial als Serie



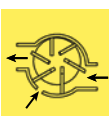
High wearing resistance thanks to cast-iron with high hardness

Elevata resistenza ad usura grazie a ghisa ad alta durezza

Hohe Festigkeit zu Abnutzung für Gußeisen mit hohe Härte

Air injection cooling

Iniezione aria di raffreddamento
Injektion der Luftkühlung

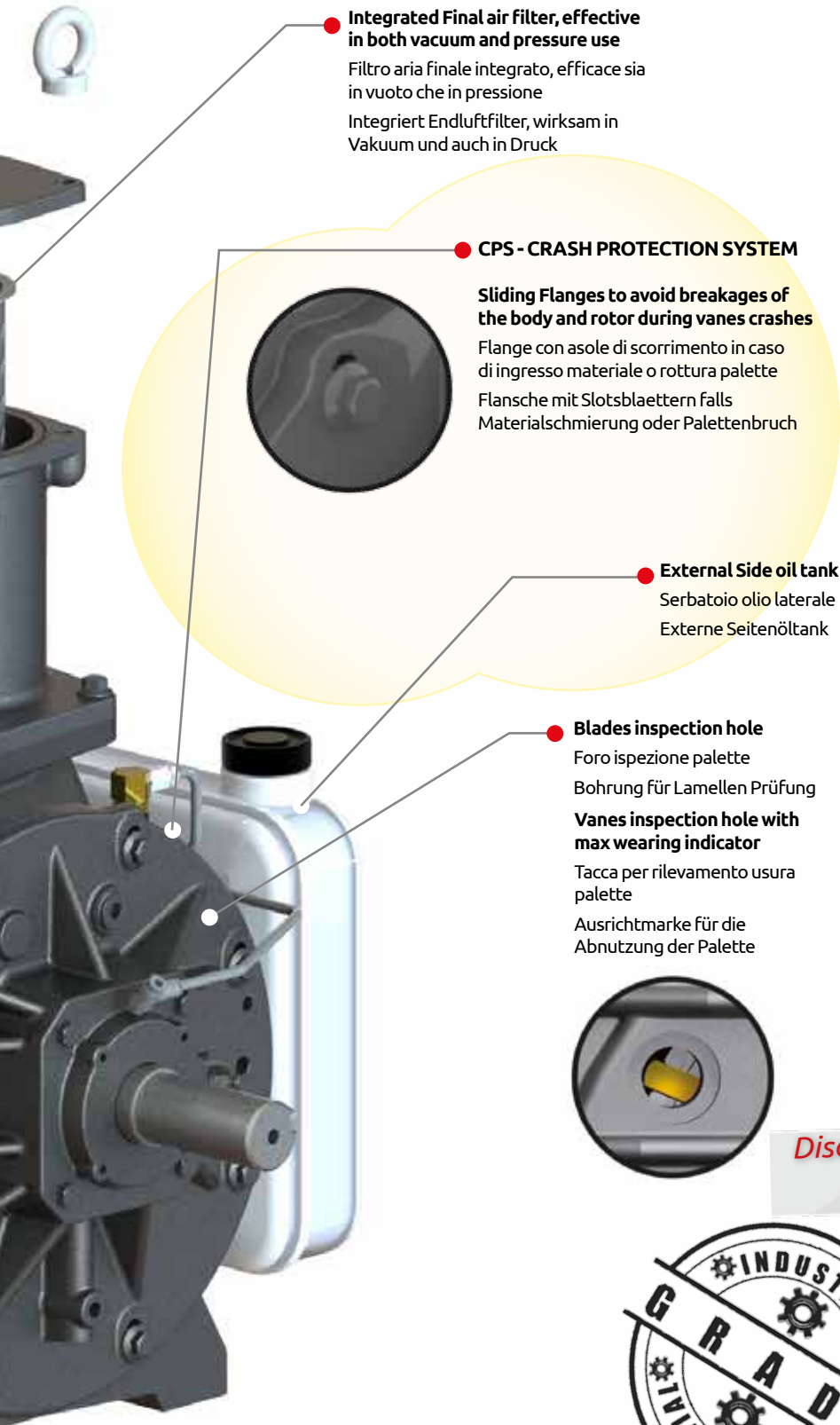


**AIR INJECTION
COOLED - ROTARY
VANES VACUUM/
PRESSURE PUMP**

Selector vacuum - pressure

Selettore Vuoto - Pressione
Wähler von Vakuum/Druck





VERSIONS



BALLAST - M/MA



BALLAST - P



BALLAST - D



BALLAST - H



BALLAST - K/KA

Air injection cooled -
Rotary Vanes Vacuum/
Pressure pump

Discover the CPS - Crash Protection System





BALLAST

16000



Battioni®
Pagani

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BALLAST – Built to last

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The BALLAST is the ideal pump for heavy duty applications.



STANDARD FEATURES

- Long Life Blades, Crash Protection System, Automatic lubrication, External Side oil tank, Integrated Air Filter, 4-ways valve, Poppet Check valve
- Available hoses connections: Ø 76 mm (3") / Ø 80 mm / Ø 100 mm (4")

VERSIONS

CCW as standard

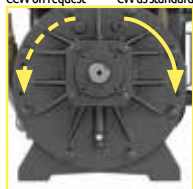


Version M / MA

Splined shaft
1"3/8 - Z6 ISO 500

CCW on request

CW as standard



Version P

Smooth Cylindrical shaft,
Ø 40, lenght 93 mm
Parallel key UNI 6604

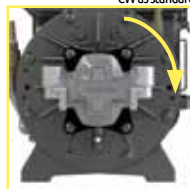
CCW as standard



Version D

Splined shaft
1"3/8 - Z6 ISO 500

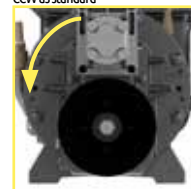
CW as standard



Version H

Group 4
86.56 cc/rev -
Pmax 280 bar
In G 1"1/4 - Out G 1" 1/2

CCW as standard



Version K / KA

Splined shaft
1"3/8 - Z6 ISO 500
Support Gr. 2 or Gr. 3
Hydraulic pump on request

TECHNICAL DATA

	Geometrical capacity			Max rpm			Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg			
	m³/h	l/min	cfm	M/K	P/D/H	MA/KA					M/MA	P/D	H	K/KA
BALLAST 16000	916	15270	539	540	1400	1000	2,5 (36)	95% (28,5")	70% (21")	33 (44,2)	230	210	247	220

OPTIONALS



Hydraulic Changeover
Code 6080200315



Hydraulic Revolving Changeover
Code 5090000108



Pneumatic Revolving Changeover
Cod. 6080200306



Pneumatic Revolving Changeover - 3 Positions
Code 6080200307



Battioni Pagani Vacuum Pump Oil 5 lt.
Code 5070200100

NEW



Battioni Pagani Flushing Fluid 5 lt.
Code 5070200102

NEW



Flushing Kit
Code 6080200325

NEW



Kit Overpressure 2"
Code 6080200389



Customized Painting



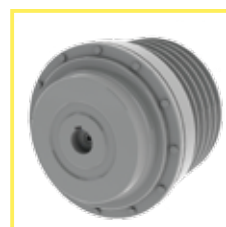
ACCESSORIES



**Vacuum Relief Valve
1"1/2**
Code 5100200012
Setting range:
-0.3 bar / -0.8 bar
Working temperature:
-20°C / +90°C
Thread: 1"1/2
Weight: 0,65 kg



**Overpressure Safety
Valve - 2"**
Code 5100200011
Setting range:
+0,3 bar / +1,5 bar
Working temperature:
-20°C / +90°C
Thread: 2"
Weight: 1,2 kg



**Pulley with pneumatic
clutch**
Code 6080200034

Air injection cooled -
Rotary Vanes Vacuum/
Pressure pump



Tank with side pipe



Filter - Silencer
Code 5090000026
BALLAST 16000
Hose connection:
Ø 100 mm
Weight: 9,5/13 kg



Rain Cap
Code 5090000062
BALLAST 16000
Weight: 0,4 kg



Pre-Filter
Code 5090000047
BALLAST 16000



**Primary Overflow
Valve - Two Balls**
Code 6100200030-Ø76
Code 6100200025-Ø80
Code 6100200026-Ø100
Iron ring to be welded
Weight: 13,9/14,0 kg



**Primary Overflow
Valve - One SS Ball**
Code 6100200027-
Ø80 SS
Code 6100200028-
Ø100 SS
Ball material: AISI 316
Iron ring to be welded



**Secondary Valve - Two
Balls**
Code 6100200035-Ø76
Code 6100200021-Ø80
Code 6100200022-Ø100
Weight: 35,6 kg



Discharge Valve - 1"
Code 5040200014

Discharge Valve - 1" 1/4
Code 5040200016

To be fitted on Secondary
valve



**Gauge - Ø 80 mm
Axial Connection**
Code 5101700007
To be fitted on
Secondary valve



Cyclon valve -1100
Code 6100200033- Ø100
Housing: Galvanized Mild Steel
Cover: aluminum
Weight: 35 kg



**Battioni®
Pagani**

Setting the pace since 1953

Depression valve on request

Valvola di regolazione vuoto a richiesta
Unterdruckventil auf anfrage

Selector vacuum - pressure

Selettore Vuoto - Pressione
Wähler von Vakuum/Druck

Automatic lubrication pump as standard

Pompa di lubrificazione automatica di serie
Automatische Schmierung als Serie



Blades inspection hole

Foro ispezione palette
Bohrung für Lamellen Prüfung

High wearing resistance thanks to cast-iron with high hardness

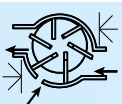
Elevata resistenza ad usura grazie a ghisa ad alta durezza
Hohe Festigkeit zu Abnutzung für Gußeisen mit hohe Härte

Air injection cooling on request

Iniezione aria di raffreddamento a richiesta
Injektion der Luftkühlung auf anfrage

Long Life Blades as standard

Palette Long Life di serie
Long Life Schaufeln als serie

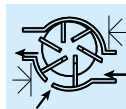


**DOUBLE FAN + AIR
INJECTION
COOLED RVP**

- **Integrated Final air filter, effective in both vacuum and pressure use**
Filtro aria finale integrato, efficace sia in vuoto che in pressione
Integriert Endluftfilter, wirksam in Vakuum und auch in Druck

NEW

FAN
420 - 530



VERSIONS



FAN - H



FAN - P

Double Fan + Air
Injection cooled
RVP

- **CPS - CRASH PROTECTION SYSTEM**

Sliding Flanges to avoid breakages of the body and rotor during vanes crashes

Flange con asole di scorrimento in caso di ingresso materiale o rottura palette

Flansche mit Slotsblättern falls Materialschmierung oder Palettenbruch

- **ExternalSide oil tank as standard**

Serbatoio olio laterale di serie

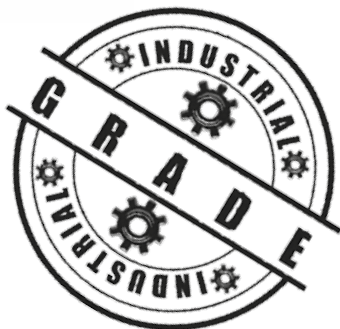
Externe Seitenöltank als Serie

- **Forced-air cooling whit fans**

Raffreddamento forzato con ventole

Umluft mit Lüfter

*Double Fan + air injection
cooled*



The picture is only for informative purpose.
See the table on page 89 for the complete list of the available options.

FAN-Cooling

The cooling for FAN Pumps is provided by fresh air forced by high efficiency cooling fans. An accurate study of the aluminum conveyor, the body fins profile and inlet and outlet port make the pump suitable for heavy duty applications.

The FAN features the Crash Protection System: sliding flanges protection mechanism that prevents the housing or rotor from breaking in case of blades crash. The pump is easily repairable inexpensively in field. The FAN pump can be equipped with the latest automatic air injection cooling system to enable continuous operation at 91% range of vacuum.



STANDARD FEATURES

- Long Life Blades, Crash Protection System, Automatic Lubrication, External Side Oil Tank, Integrated Air Filter, 4-ways valve, Poppet Check valve
- Available hoses connections: Ø 76 mm (3") / Ø 80 mm / Ø 100 mm (4")

VERSIONS

CCW on request CW as standard



Version P

Smooth Cylindrical shaft,
Ø 32, lenght 63 mm
Parallel key UNI 6604

CW as standard



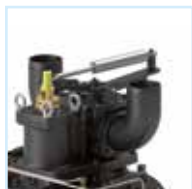
Version H

FAN 420 Group 3,5
72,82 cc/rev - Pmax 180 bar
- In G 1" - Out G 1" 1/4
FAN 530 Group 4
86,56 cc/rev - Pmax 280 bar
- In G 1" 1/4 - Out G 1" 1/2

TECHNICAL DATA

	Geometrical capacity			Max rpm	Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg	
	m³/h	l/min	cfm						P	H
FAN 420	720	11980	423	1500	2.5 (36)	95% (28,5")	91% (27")	23 (30,8)	180	203
FAN 530	893	14890	525	1500	2.5 (36)	95% (28,5")	91% (27")	27 (36,1)	223	263

OPTIONALS



Hydraulic Changeover
Code 6080200315



Hydraulic Revolving Changeover
Code 5090000108



Pneumatic Revolving Changeover
Cod. 6080200306



Pneumatic Revolving Changeover - 3 Positions
Code 6080200307



Battioni Pagani Vacuum Pump Oil 5 lt.
Code 5070200100

NEW



Battioni Pagani Flushing Fluid 5 lt.
Code 5070200102

NEW



Flushing Kit
Code 6080200325



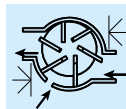
Kit Overpressure 2"
Code 6080200389



Air injection cooling kit



Customized Painting



Vacuum Relief Valve 1"1/2

Code 5100200012
Setting range:
-0,3 bar / -0,8 bar
Working temperature:
-20°C / +90°C
Thread: 1"1/2
Weight: 0,65 kg



Overpressure Safety Valve - 2"

Code 5100200011
Setting range:
+0,3 bar / +1,5 bar
Working temperature:
-20°C / +90°C
Thread: 2"
Weight: 1,2 kg



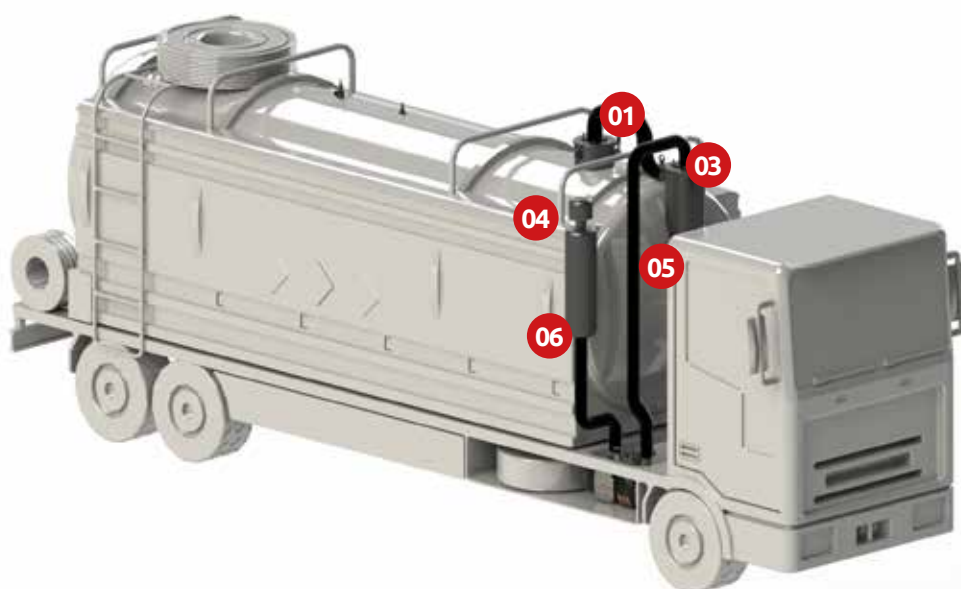
Primary Overflow Valve – Two Balls

Code 6100200030 - Ø76
Code 6100200025 - Ø80
Code 6100200026 - Ø100
Iron ring to be welded
Weight: 13,9/14,0 kg



Primary Overflow Valve – One SS Ball

Code 6100200027 - Ø80 SS
Code 6100200028 - Ø100 SS
Ball material: AISI 316
Iron ring to be welded
Weight: 13,8/13,9 kg



Filter – Silencer

Code 5090000026
FAN 420 - 530 Ø 100
Code 5090000025
FAN 420 - 530 Ø 80
Weight: 13 kg



Double Fan + Air
Injection cooled
RVP

Rain Cap

Code 5090000062
FAN 420 - 530 Ø 100
Code 5090000061
FAN 420 - 530 Ø 80
Weight: 0,4 kg



Pre - filter

Code 5090000047
FAN 420 - 530 Ø 100
Code 5090000046
FAN 420 - 530 Ø 80
For Filter/silencer only
Weight: 1,1 kg



Cyclon valve –1100

Code 6100200033
- Ø100
Housing: Galvanized Mild
Steel
Cover: aluminum
Weight: 35 kg



Cyclon valve –1100 SS

Code 6100200034
- Ø100
Housing: AISI 304
Cover: aluminum
Weight: 35 kg



Secondary Valve – Two Balls

Code 6100200035 - Ø76
Code 6100200021 - Ø80
Code 6100200022 - Ø100
Weight: 35,6 kg



Discharge valve

Code 5040200016 - 1" 1/4
To be fitted on Cyclon valves
Code 5040200014 - 1"
To be fitted on
Secondary valve



Gauge – Ø 80 mm Axial Connection

Code 5101700007
To be fitted on
Secondary valve





**Battioni®
Pagani**

Setting the pace since 1953

Automatic lubrication pump as standard

Pompa di lubrificazione automatica di serie
Automatische Schmierung als Serie



Integrated cooling pump as standard

Pompa di raffreddamento integrato di serie
Integrierte K hlpumpe

Painting RAL 7021, resistant to 240 hours corrosion protection – salt- and fog/haze tested

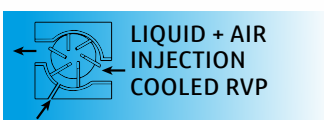
Verniciatura RAL 7021, resistente a 240 ore di esposizione in nebbia salina

Lackierung RAL 7021, best ndig gegen 240 Stunden Salz- und Nebeltest

High wearing resistance thanks to cast-iron with high hardness

Elevata resistenza ad usura grazie a ghisa ad alta durezza

Hohe Festigkeit zu Abnutzung f r Gu eisen mit hohe H rte



**LIQUID + AIR
INJECTION
COOLED RVP**

Depression valve on request
Valvola di regolazione vuoto a richiesta
Unterdruckventil auf anfrage

Selector vacuum - pressure

Selettore Vuoto - Pressione
W hler von Vakuum/Druck

Air injection cooling on request
Iniezione aria di raffreddamento a richiesta
Injektion der Luftk hlung auf anfrage

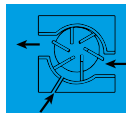
Long Life Blades as standard

Palette Long Life di serie
Long Life Schaufeln als serie

NEW

KPS

490 - 550 - 670



Integrated Final air filter, effective in both vacuum and pressure use

Filtro aria finale integrato, efficace sia in vuoto che in pressione

Integriert Endluftfilter, wirksam in Vakuum und auch in Druck

Watercooling in the body

Raffreddamento ad acqua su corpo

Wasserkühlung im Körper

External Side oil tank as standard

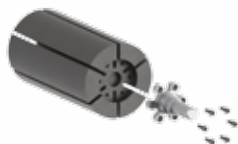
Serbatoio olio laterale di serie

Externe Seitenöltank als Serie

Blades inspection hole

Foro ispezione palette

Bohrung für Lamellen Prüfung



Rotor with steel pins fixed on it to help maintenance operations (KPS 550 - 670)

Rotore con perni in acciaio riportati per facilitare interventi di manutenzione (KPS 550 - 670)

Rotor mit stahl Stifte eingebaut auf Rotor für leichte Unterhaltung (KPS 550 - 670)

CPS - CRASH PROTECTION SYSTEM

Sliding Flanges to avoid breakages of the body and rotor during vanes crashes

Flange con asole di scorrimento in caso di ingresso materiale o rottura palette

Flansche mit Slotsblättern falls Materialschmierung oder Palettenbruch

VERSIONS



KPS - M/MA



KPS - P



KPS - D



KPS - H



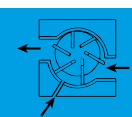
KPS - K/KA

Liquid + Air
Injection cooled RVP



Water-cooling and air injection cooling





KPS

490 - 550 - 670



**Battioni®
Pagani**

Setting the pace since 1953

KPS

The KPS pump series features liquid cooled housing enabling continuous operation in vacuum and in pressure modes.

The KPS pump series is for applications where long time continuous non-stop operation is required (i.e. oil fields, combined vacuum trucks, industrial applications).

The KPS series is the ideal choice for professional users and contractors.



STANDARD FEATURES

- Automatic lubrication (2,3 or 4 points), cooling pump, 4-ways valve, Poppet Check valve, Side outlets with revolving elbows, Long Life Blades, Crash protection System.
- Available hoses connections: Ø 76 mm (3") / Ø 80 mm / Ø 100 mm (4") / Ø 120 mm

VERSIONS



Version M-MA

Splined shaft
1"3/8 - Z6 ISO 500



Version P

Smooth Cylindrical shaft,
Ø 32, lenght 63 mm
Parallel key UNI 6604
KPS 490
Smooth Cylindrical shaft,
Ø 40, lenght 90 mm
Parallel key UNI 6604
KPS 550 - 670



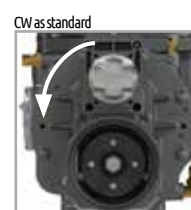
Version D

Splined shaft
1"3/8 - Z6 ISO 500



Version H

Group 4
86,56 cc/rev - Pmax 280 bar
- In G 1"1/4 - Out G 1" 1/2



Version K / KA

Splined shaft
1"3/8 - Z6 ISO 500
Support Gr. 2 or Gr. 3
Hydraulic pump on request
KPS 550 - 670

TECHNICAL DATA

	Geometrical capacity			Max rpm			Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg				
	m³/h	l/min	cfm	M-K	MA-KA	P/D/H					M-MA	P	D	H	K-KA
KPS 490	811	13520	477	600	1000	1400	2.5 (36)	95% (28,5")	95% (28,5")	25 (33,5)	221	205	205	242	-
KPS 550	916	15270	539	600	1000	1400	2.5 (36)	95% (28,5")	95% (28,5")	33 (44,2)	236	216	216	253	226
KPS 670	1117	18620	657	600	1000	1400	2.5 (36)	95% (28,5")	95% (28,5")	45 (60,3)	265	245	245	282	255

OPTIONALS



Hydraulic Changeover
Code 6080200315



Hydraulic Revolving Changeover
Code 5090000108



Pneumatic Revolving Changeover
Cod. 6080200306



Pneumatic Revolving Changeover - 3 Positions
Code 6080200307



Battioni Pagani Vacuum Pump Oil 5 lt.
Code 5070200100

NEW



Battioni Pagani Flushing Fluid 5 lt.
Code 5070200102

NEW



Flushing Kit
Code 6080200325



Kit Overpressure 2"
Code 6080200389

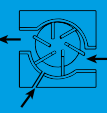


Air injection cooling kit



Customized Painting





**Vacuum Relief Valve
1"1/2**
Code 5100200012
Setting range:
-0,3 bar / -0,8 bar
Working temperature:
-20°C / +90°C
Thread: 1"1/2
Weight: 0,65 kg



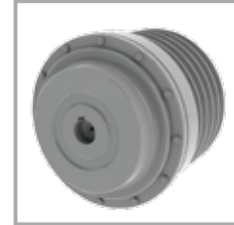
**Overpressure Safety
Valve - 2"**
Code 5100200011
Setting range:
+0,3 bar / +1,5 bar
Working temperature:
-20°C / +90°C
Thread: 2"
Weight: 1,2 kg



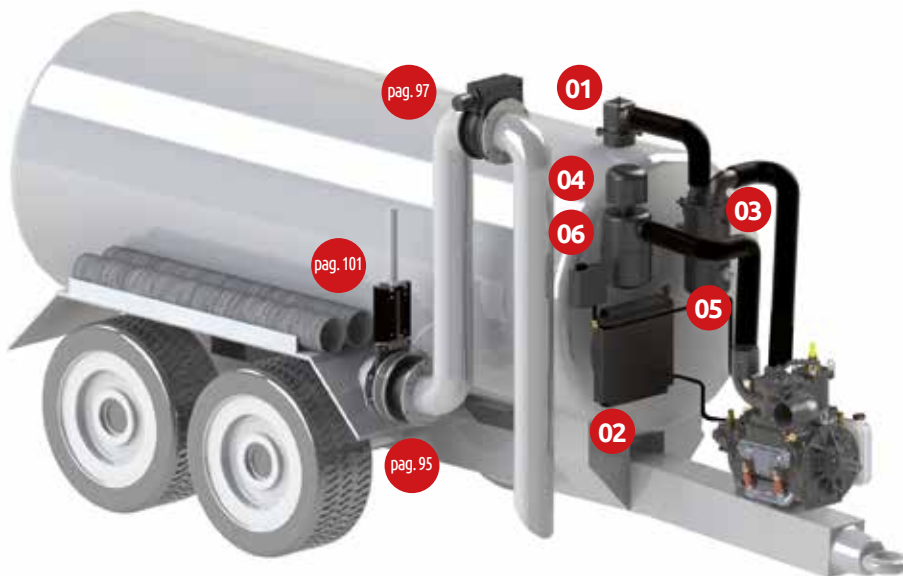
**Primary Overflow Valve -
Two Balls**
Code 6100200030 - Ø76
Code 6100200025 - Ø80
Code 6100200026 - Ø100
Iron ring to be welded
Weight: 13,9/14,0 kg



**Primary Overflow Valve -
One SS Ball**
Code 6100200027 - Ø80 SS
Code 6100200028 - Ø100 SS
Ball material: AISI 316
Iron ring to be welded
Weight: 13,8/13,9 kg



**Pulley with
pneumatic
clutch**
Code
6080200034
KPS 550 - 670





**Battioni®
Pagani**

Setting the pace since 1953

Overpressure valve as standard

Valvola di sovrappressione di serie
Überdruckventil als Serie

Selector vacuum - pressure

Selettore Vuoto - Pressione
Wähler von Vakuum/Druck

Automatic lubrication pump as standard

Pompa di lubrificazione automatica di serie
Automatische Schmierung als Serie



Integrated cooling pump as standard

Pompa di raffreddamento integrato di serie
Integrierte Kühlpumpe

Painting RAL 7021, resistant to 240 hours corrosion protection – salt- and fog/haze tested

Verniciatura RAL 7021, resistente a 240 ore di esposizione in nebbia salina

Lackierung RAL 7021, beständig gegen 240 Stunden Salz- und Nebeltest

High wearing resistance thanks to cast-iron with high hardness

Elevata resistenza ad usura grazie a ghisa ad alta durezza
Hohe Festigkeit zu Abnutzung für Gußeisen mit hohe Härte

Depression valve as standard

Valvola di regolazione vuoto di serie
Unterdruckventil als Serie



Long Life Blades as standard

Palette Long Life di serie
Long Life Schaufeln als serie



LIQUID COOLED -
ROTARY VANES
VACUUM/PRESSURE
PUMPS



Watercooling in the body and flanges

Raffreddamento ad acqua su corpo e flange
Wasserkühlung im Körper und in den Flanschen

Kit Aluminium Air Filter

Kit Filtro aria in alluminio
Saugfilter Satz

External Side oil tank as standard

Serbatoio olio laterale di serie
Externe Seitenöltank als Serie

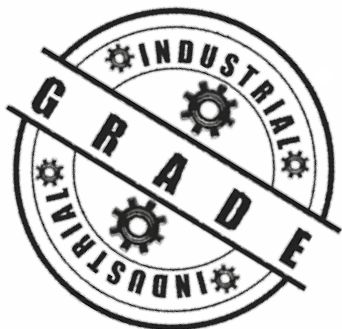
Blades inspection hole

Foro ispezione palette
Bohrung für Lamellen Prüfung



Rotor with steel pins fixed on it to help maintenance operations

Rotore con perni in acciaio riportati per facilitare interventi di manutenzione
Rotor mit stahl Stifte eingebaut auf Rotor für leichte Unterhaltung



VERSIONS



WPT - MFR/
MAFR



WPT - PFR



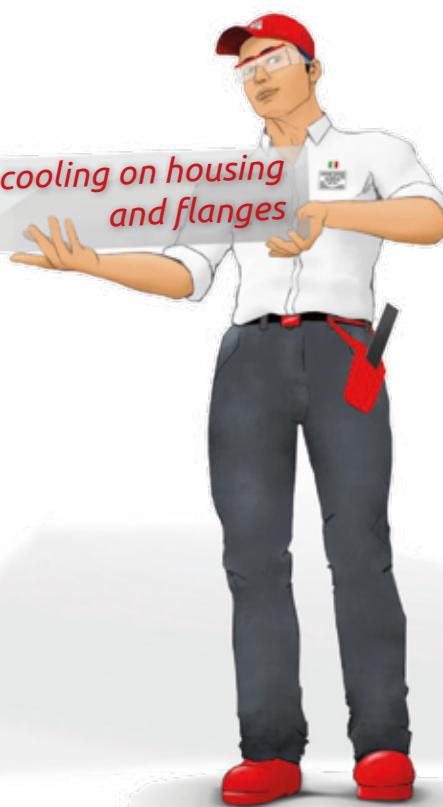
WPT - DFR



WPT - HFR

Liquid cooled - Rotary
Vanes Vacuum/Pressure
pumps

Water-cooling on housing
and flanges





WPT

480 - 600 - 720



**Battioni®
Pagani**

Setting the pace since 1953

WPT – The everlasting

The WPT pump series features liquid cooled housing and flanges enabling continuous operation in vacuum and in pressure modes.

The WPT has been designed with no structural strength compromises: cast iron housing walls are 35mm thick!

The WPT oversized robust construction makes this pump ideal for heavy duty applications where long time continuous non-stop operation is required (i.e. oil fields, combined vacuum trucks, industrial applications).

The WPT series is the ideal choice for professional users and contractors.

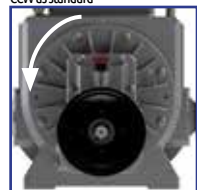


STANDARD FEATURES

- Automatic lubrication (3 or 4 points), cooling pump, 4-ways valve, check valve, Side outlets with revolving elbows, Vacuum relief valve, overpressure valve long life blade
- Available hoses connections: Ø 76 mm (3") / Ø 80 mm / Ø 100 mm (4")

VERSIONS

CCW as standard



Version MFR-MAFR

Splined shaft
1"3/8 - Z6 ISO 500

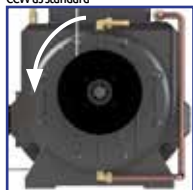
CCW on request CW as standard



Version PFR

Smooth Cylindrical shaft,
Ø 40, lenght 90 mm
Parallel key UNI 6604

CCW as standard



Version DFR

Splined shaft
1"3/8 - Z6 ISO 500

CW as standard



Version HFR

Group 4
86,56 cc/rev - Pmax 280 bar
- In G 1"1/4 - Out G 1" 1/2

TECHNICAL DATA

	Geometrical capacity			Max rpm			Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg				
	m³/h	l/min	cfm	MFR	MAFR	PFR/ DFR/ HFR					MFR	PFR	DFR	HFR	MAFR
WPT 480	582	9700	342,5	600	1000	1200	2.5 (36)	95% (28,5")	80% (24")	27 (36,2)	273	260	260	301	273
WPT 600	708	11800	416,7	600	1000	1200	2.5 (36)	95% (28,5")	80% (24")	30 (40,2)	320	309	309	348	320
WPT 720	852	14200	501,4	600	1000	1200	2.5 (36)	95% (28,5")	80% (24")	35 (46,9)	369	358	358	397	369

OPTIONALS



**Kit Aluminum Final
Air filter 1300**
Code 6080200291



**Hydraulic
Revolving
Changeover**
Code 5090000078



**Pneumatic
Revolving
Changeover**
Code 6080200116



**Pneumatic
Revolving
Changeover
- 3 positions**
Code 6080200294



**Hydraulic
Changeover**
Code 6080200176



**Battioni Pagani
Vacuum
Pump Oil 5 lt.**
Code 5070200100



**Battioni Pagani
Flushing Fluid 5 lt.**
Code 5070200102



Flushing Kit
Code 6080200325



**Customized
Painting**

ACCESSORIES



Primary Overflow Valve – Two Balls

Code 6100200030 - Ø76
Code 6100200025 - Ø80
Code 6100200026 - Ø100
Iron ring to be welded
Weight: 13,9/14,0 kg

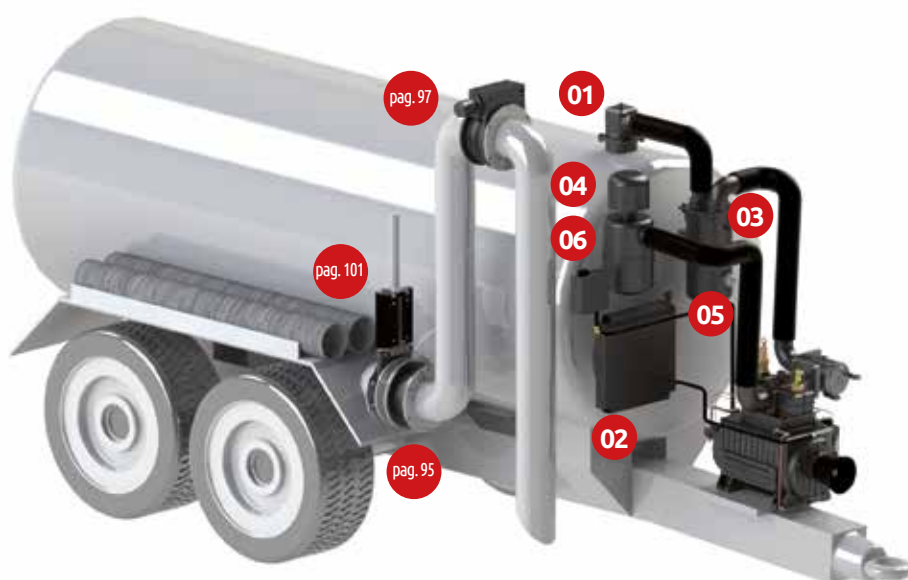


Primary Overflow Valve – One SS Ball

Code 6100200027 - Ø80 SS
Code 6100200028 - Ø100 SS
Ball material: AISI 316
Iron ring to be welded
Weight: 13,8/13,9 kg



Pulley with pneumatic clutch
Code 6080200034



Tank with side pipe



Filter – Silencer

Code 5090000026
WPT 600-720 - Ø 100
Code 5090000025
WPT 480 - Ø 80
Weight: 13 kg



Rain Cap

Code 5090000062
WPT 600-720
Code 5090000061
WPT 480
Weight: 0,4 kg



Pre-filter

Code 5090000047
WPT 600-720
Code 5090000046
WPT 480
For Filter/silencer only
Weight: 1,1 kg

Liquid cooled - Rotary
Vanes Vacuum/Pressure
pumps



Cyclon valve -1100

Code 6100200033
- Ø100
Housing: Galvanized Mild Steel
Cover: aluminum
Weight: 35 kg



Cyclon valve -1100 SS

Code 6100200034
- Ø100
Housing: AISI 304
Cover: aluminum
Weight: 35 kg



Secondary Valve – Two Balls

Code 6100200035 - Ø76
Code 6100200021 - Ø80
Code 6100200022 - Ø100
Weight: 35,6 kg



Discharge valve

Code 5040200016 - 1" 1/4
To be fitted on Cyclon valves
Code 5040200014 - 1"
To be fitted on Secondary valve



Gauge – Ø 80 mm Axial Connection

Code 5101700007
To be fitted on Secondary valve



Air-Water Cooled with Thermostat

Code 5090000081 - 12V
Code 5090000082 - 24V
Weight: 17,8 kg



**Battioni®
Pagani**

Setting the pace since 1953

Kit Aluminum Final Air Filter

Kit filtro aria alluminio
Saugfilter Satz

Automatic lubrication pump as standard

Pompa di lubrificazione automatica di serie
Automatische Schmierung als Serie



Integrated cooling pump as standard

Pompa di raffreddamento integrato di serie
Integrierte Kühlpumpe

Painting RAL 7021, resistant to 240 hours corrosion protection – salt- and fog/haze tested

Verniciatura RAL 7021, resistente a 240 ore di esposizione in nebbia salina

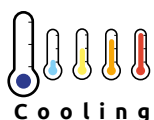
Lackierung RAL 7021, beständig gegen 240 Stunden Salz- und Nebeltest

Watercooling in the body and flanges

Raffreddamento ad acqua su corpo e flange
Wasserkühlung im Körper und in den Flanschen

High wearing resistance thanks to cast-iron with high hardness

Elevata resistenza ad usura grazie a ghisa ad alta durezza
Hohe Festigkeit zu Abnutzung für Gußeisen mit hohe Härte



**LIQUID COOLED -
ROTARY VANES
VACUUM/PRESSURE
PUMPS**

Selector vacuum - pressure

Selettore Vuoto - Pressione
Wähler von Vakuum/Druck

Overpressure valve 2"1/2 as standard

Valvola di sovrappressione 2"1/2 di serie
Überdruckventil 2"1/2 als serie

Long Life Blades as standard

Palette Long Life di serie
Long Life Schaufeln als serie



Depression valve as standard

Valvola di regolazione vuoto di serie
Unterdruckventil als Serie

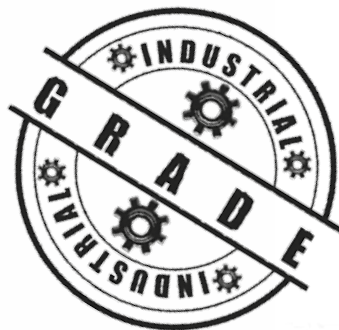
Integrated Check valve (rubber ball)

Valvola di ritegno (sfera in gomma) integrata nella pompa
In die Pumpe integriertes Rückschlagventil (Gummikugel)

CPS - CRASH PROTECTION SYSTEM

Sliding Flanges to avoid breakages of the body and rotor during vanes crashes

Flange con asole di scorrimento in caso di ingresso materiale o rottura palette
Flansche mit Slotsblättern falls Materialschmierung oder Palettenbruch



Rotor with steel pins fixed on it to help maintenance operations

Rotore con perni in acciaio riportati per facilitare interventi di manutenzione
Rotor mit stahl Stifte eingebaut auf Rotor für leichte Unterhaltung

VERSIONS



KTS - MFR/
MAFR



KTS - PFR



KTS - DFR



KTS - HFR

Liquid cooled - Rotary
Vanes Vacuum/Pressure
pumps

Full water cooling





KTS

840 - 960 - 1080



**Battioni®
Pagani**

Setting the pace since 1953

KTS – The Incredible

The KTS pump series features liquid cooled housing and flanges enabling continuous operation in vacuum and in pressure modes.

The KTS design assures maximum cooling thanks to the wide cooling liquid chambers and to the high flow capacity of the integrated water pump.

The KTS Crash Protection System prevents the housing or the rotor to break in case of vanes crash. Therefore the pump is easily repairable inexpensively in field.

The KTS oversized robust construction makes this pump ideal for heavy duty applications where long time continuous non-stop operation is required (i.e. oil fields, combined vacuum trucks, industrial applications). The KTS series is the ideal choice for professional users and contractors.



STANDARD FEATURES

- Long Life Blades, 30 l/min integrated cooling pump, 4-ways valve, integrated check valve, 4 points automatic lubrication by copper pipes, side outlets, exhaust elbows, depression valve, overpressure valve, Crash protection System.
- Available hoses connections: Ø 76 mm (3") / Ø 80 mm / Ø 100 mm (4")

VERSIONS

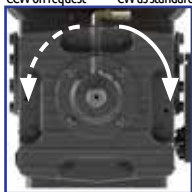
CCW as standard



Version MFR/MAFR

Splined shaft
1"3/8 - Z6 ISO 500

CCW on request



Version PFR

Smooth Cylindrical shaft,
Ø 42, lenght 80 mm
Parallel key UNI 6604

CW as standard

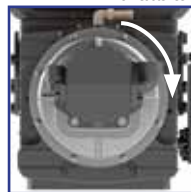
CCW as standard



Version DFR

Splined shaft
1"3/8 - Z6 ISO 500

CW as standard



Version HFR

Group 4
108,9 cc/rev - Pmax 250
bar - In G 1" - Out G 1" 1/4

TECHNICAL DATA

	Geometrical capacity			Max rpm			Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg			
	m³/h	l/min	cfm	MFR	MAFR	PFR DFR HFR					MFR MAFR	PFR	DFR	HFR
KTS 840	846	14100	497,93	600	1000	1200	2,5 (36)	95% (28,5")	95% (28,5")	33 (44,2)	406	380	380	422
KTS 960	972	16200	572,10	600	1000	1200	2,5 (36)	95% (28,5")	95% (28,5")	39 (52,2)	426	400	400	442
KTS 1080	1080	18000	635,66	600	1000	1200	2,5 (36)	95% (28,5")	95% (28,5")	45 (60,3)	459	433	433	475

OPTIONALS



Kit Aluminum Final Air Filter 1300
Code 6080200290



Hydraulic Changeover
Code 6080200176



Hydraulic Revolving Changeover
Code 5090000010



Pneumatic Revolving Changeover
Code 6080200116



Pneumatic Revolving Changeover - 3 positions
Code 6080200294



Battioni Pagani Vacuum Pump Oil 5 lt.
Code 5070200100

NEW



Battioni Pagani Flushing Fluid 5 lt.
Code 5070200102



Flushing Kit
Code 6080200325



Customized Painting

NEW



ACCESSORIES



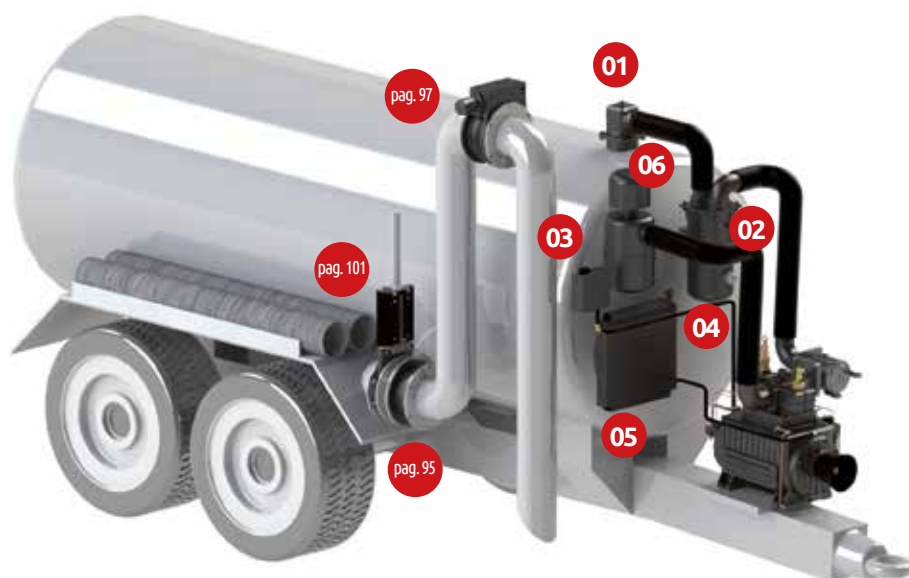
Primary Overflow Valve – Two Balls

Code 6100200030 - Ø76
Code 6100200025 - Ø80
Code 6100200026 - Ø100
Iron ring to be welded
Weight: 13,9/14,0 kg



Primary Overflow Valve – One SS Ball

Code 6100200027 - Ø80 SS
Code 6100200028 - Ø100 SS
Ball material: AISI 316
Iron ring to be welded
Weight: 13,8/13,9 kg



Tank with side pipe



Rain Cap

Code 5090000062
Weight: 0,4 kg



Filter – Silencer

Code 5090000022
Hose connection: Ø 100 mm
Weight: 30 kg
Length: 1200 mm



Air-Water Cooled with Thermostat

Code 5090000081 – 12V
Code 5090000082 – 24V
Weight: 17,8 kg

Liquid cooled - Rotary
Vanes Vacuum/Pressure
pumps



Cyclon valve –1100

Code 6100200033
- Ø100
Housing: Galvanized Mild
Steel
Cover: aluminum
Ball: AISI 316
Weight: 35 kg



Cyclon valve –1100 SS

Code 6100200034
- Ø100
Housing: AISI 304
Cover: aluminum
Ball: AISI 316
Weight: 35 kg



Pulley with pneumatic clutch

Code
60880200041



Discharge valve - 1" 1/4

Code 5040200016
To be fitted on Secondary
valve



Gauge – Ø 80 mm Axial Connection

Code 5101700007
To be fitted on
Secondary valve



**Battioni®
Pagani**

Setting the pace since 1953



Automatic lubrication pump as standard

Integrated oil tank
Serbatoio olio incorporato
Eingebauter Öltank

Painting RAL 7021, resistant to 240 hours corrosion protection – salt- and fog/haze tested

Verniciatura RAL 7021, resistente a 240 ore di esposizione in nebbia salina

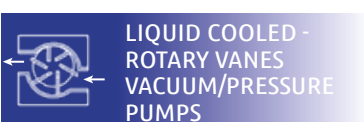
Lackierung RAL 7021, beständig gegen 240 Stunden Salz- und Nebeltest

Watercooling in the body and flanges

Raffreddamento ad acqua su corpo e flange
Wasserkühlung im Körper und in den Flanschen

High wearing resistance thanks to cast-iron with high hardness

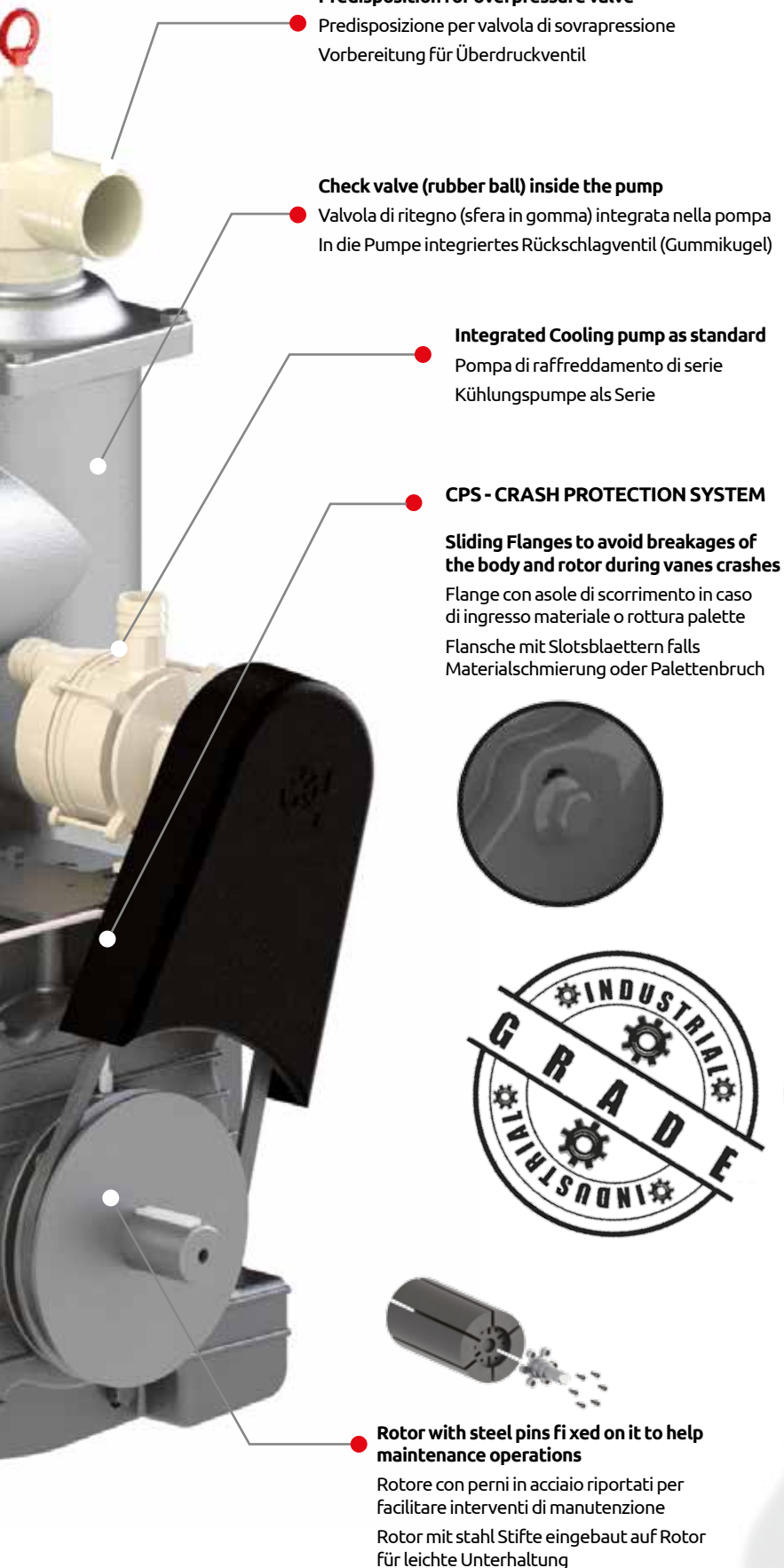
Elevata resistenza ad usura grazie a ghisa ad alta durezza
Hohe Festigkeit zu Abnutzung für Gußeisen mit hohe Härte



Suction Unit
Gruppo aspirazione
Absauge Gruppe

Pneumatic Changeover
Attuatore pneumatico
Pneumatischer Trieb

Long Life Blades as standard
Palette Long Life di serie
Long Life Schaufeln als serie



VERSIONS



KTM - DFR



KTM - HFR



KTM - PFR



WSM - PFR

Liquid cooled - Rotary
Vanes Vacuum/Pressure
pumps



KTM – The Superpower

The KTM pump series features liquid cooled housing and flanges enabling continuous operation in vacuum and in pressure modes.

The KTM design assures maximum cooling thanks to the wide cooling liquid chambers and to the high flow capacity of the integrated water pump.

The KTM Crash Protection System prevents the housing or the rotor to break of in case of vanes crash. Therefore the pump is easily repairable inexpensively in field.

The KTM oversized robust construction makes this pump ideal for heavy duty applications where long time continuous non-stop operation is required (i.e. oil fields, combined vacuum trucks, industrial applications, sucking of muds, semi-solid muds and stones).

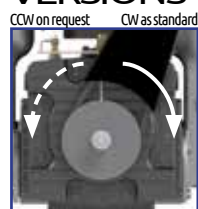
The KTM series is the ideal choice for professional users and contractors.



STANDARD FEATURES

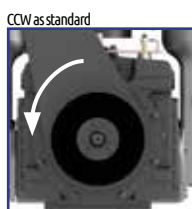
- Long Life Blades, 60 l/min integrated cooling pump, 4 points automatic lubrication by copper pipes, Crash protection System.

VERSIONS



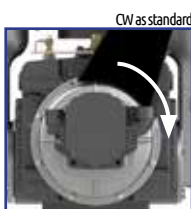
Version PFR

Smooth Cylindrical shaft,
Ø 42, lenght 80 mm
Parallel key UNI 6604



Version DFR

Splined shaft
1"3/8 - Z6 ISO 500



Version HFR

KTM 1200: Group 4 108,9 cc/rev - Pmax 250 bar - In G 1" - Out G 1"1/4

KTM 1500: Group 4 150,8 cc/rev - Pmax 200 bar - In G 1"1/4 - Out G 1"1/2

TECHNICAL DATA

	Geometrical capacity			Max rpm			Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg		
	m³/h	l/min	cfm	PFR	DFR	HFR					PFR	DFR	HFR
KTM 1200	1290	21500	759,27	1200	1200	1200	2,5 (36)	95% (28,5")	95% (28,5")	35 (46,9)	391	398	430
KTM 1500	1594	26400	932,31	1200	1200	1200	2,5 (36)	95% (28,5")	95% (28,5")	42 (56,3)	446	453	490

OPTIONALS



Suction unit

Code 6080200152

Suction unit with filter

Code 6080200171



Hydraulic suction unit

Code 6080200169

Hydraulic suction unit with filter

Code 6080200174



Pneumatic suction unit

Code 6080200172

Pneumatic suction unit with filter

Code 6080200180



Aluminum Final Air Filter

Code 6080200094



Battioni Pagani Vacuum Pump Oil 5 lt.

Code 5070200100



Battioni Pagani Flushing Fluid 5 lt.

Code 5070200102



Flushing Kit

Code 6080200325



Revolving Elbow way valve Ø 120

Code 6080200328

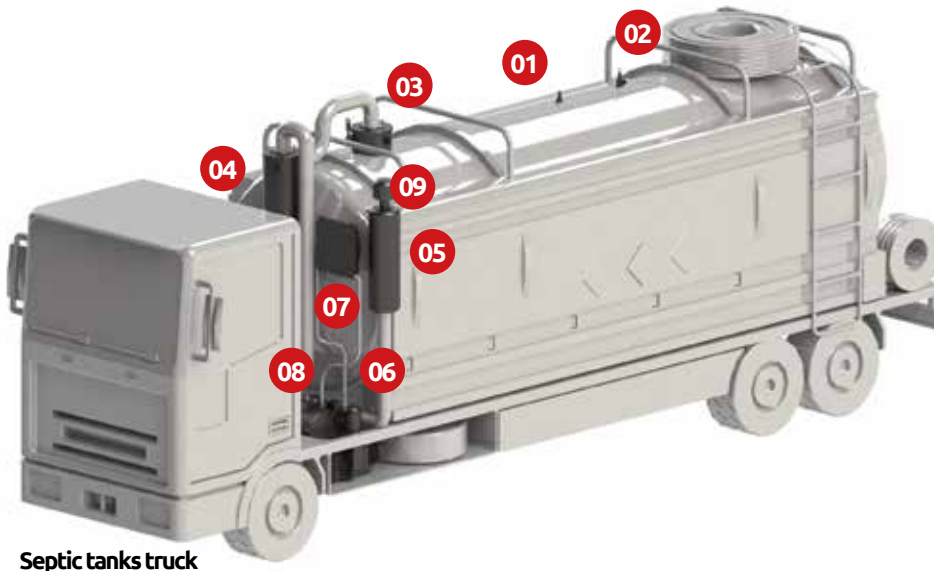
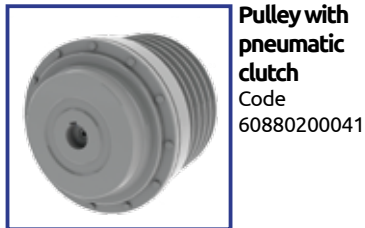


Revolving Elbow air suction filter Ø 120

Code 6080200329



Customized Painting



Liquid cooled - Rotary
Vanes Vacuum/Pressure
pumps



KTM – The Superpower

The KTM pump series features liquid cooled housing and flanges enabling continuous operation in vacuum and in pressure modes.

The KTM design assures maximum cooling thanks to the wide cooling liquid chambers and to the high flow capacity of the integrated water pump.

The KTM Crash Protection System prevents the housing or the rotor to break of in case of vanes crash. Therefore the pump is easily repairable inexpensively in field.

The KTM oversized robust construction makes this pump ideal for heavy duty applications where long time continuous non-stop operation is required (i.e. oil fields, combined vacuum trucks, industrial applications, sucking of muds, semi-solid muds and stones).

The KTM series is the ideal choice for professional users and contractors.

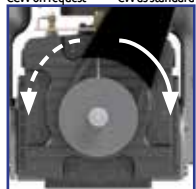


STANDARD FEATURES

- Long Life Blades, 60 l/min integrated cooling pump, 6 points automatic lubrication by copper pipes, Crash protection System.

VERSIONS

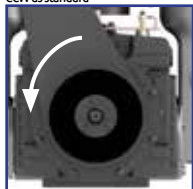
CCW on request CW as standard



Version PFR

Smooth Cylindrical shaft,
Ø 55, lenght 110 mm
Parallel key UNI 6604

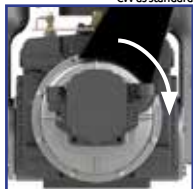
CCW as standard



Version DFR

Splined shaft
1"3/4 - Z6 ISO 500

CW as standard



Version HFR

100 cc/rev - Pmax 400 bar - In G 1" - Out G 1"

TECHNICAL DATA

	Geometrical capacity			Max rpm			Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg		
	m³/h	l/min	cfm	PFR	DFR	HFR					PFR	DFR	HFR
KTM 1800	1860	31000	1094,76	1200	1200	1200	2,5 (36)	95% (28,5")	95% (28,5")	52 (69,7)	610	617	657
KTM 2300	2178	36300	1281,92	1200	1200	1200	2,5 (36)	95% (28,5")	95% (28,5")	61 (81,7)	673	680	720

OPTIONALS



Suction unit
Code 6080200154



Hydraulic suction unit
Code 6080200170



Pneumatic suction unit
Code 6080200187



Aluminum Final Air filter Code 6080200094



Battioni Pagani Vacuum Pump Oil 5 lt.
Code 5070200100

NEW



Battioni Pagani Flushing Fluid 5 lt.
Code 5070200102

NEW



Flushing Kit
Code 6080200325



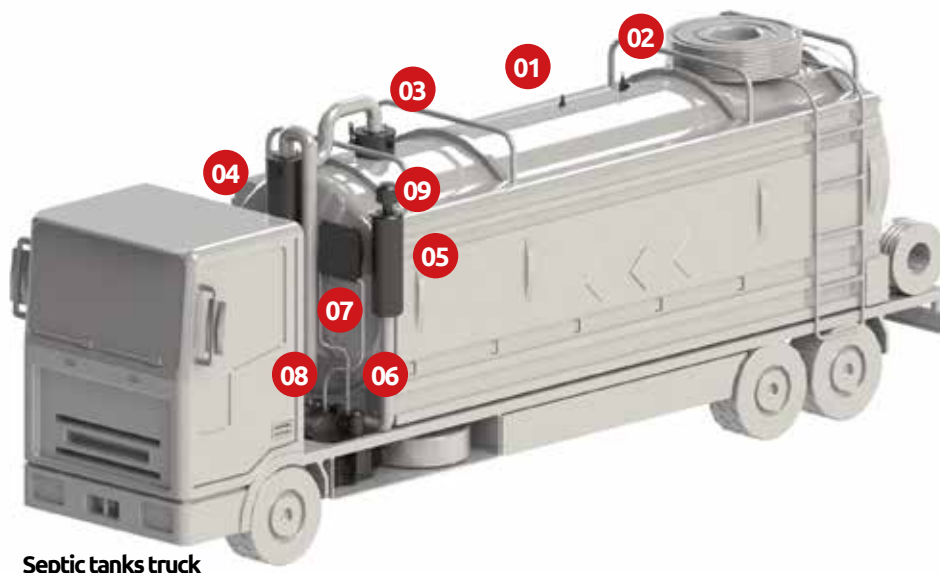
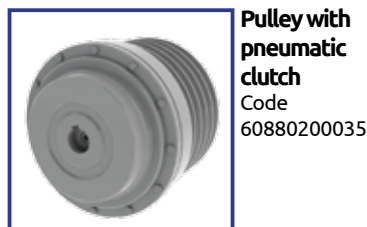
Revolving Elbow way valve Ø 120
Code 6080200328



Revolving Elbow air suction filter Ø 120
Code 6080200329



Customized Painting



Liquid cooled - Rotary
Vanes Vacuum/Pressure
pumps



WSM – The Greedy

The WSM pump series features liquid cooled housing and flanges enabling continuous operation in vacuum and in pressure modes.

The WSM design assures maximum cooling thanks to the wide cooling liquid chambers and to the high flow capacity of the integrated water pump.

The WSM oversized robust construction makes this pump ideal for heavy duty applications where long time continuous non-stop operation is required (i.e. oil fields, combined vacuum trucks, industrial applications, sucking of muds, semi-solid muds and stones).

The WSM series is the ideal choice for professional users and contractors.

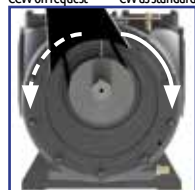


STANDARD FEATURES

- Long Life Blades, 60 l/min integrated cooling pump, 6 points automatic lubrication by copper pipes.

VERSIONS

CCW on request CW as standard



Version PFR

Smooth Cylindrical shaft,
Ø 60, lenght 130 mm
Parallel key UNI 6604

TECHNICAL DATA

	Geometrical capacity			Max rpm	Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg
	m³/h	l/min	cfm	PFR					PFR
WSM 2700	2700	45000	1589,2	1000	2,5 (36)	95% (28,5")	80% (21")	64 (85,7)	840
WSM 3300	3360	56000	1977,6	1000	2,5 (36)	95% (28,5")	80% (21")	73 (97,8)	960

OPTIONALS



Suction unit
Code 6080200154



Hydraulic suction unit
Code 6080200170



Pneumatic suction unit
Code 6080200187



Aluminum Final Air filter
Code 6080200094



Battioni Pagani Vacuum Pump Oil 5 lt.
Code 5070200100

NEW



Battioni Pagani Flushing Fluid 5 lt.
Code 5070200102

NEW



Flushing Kit
Code 6080200325



Revolving Elbow way valve Ø 120
Code 6080200328



Revolving Elbow air suction filter Ø 120
Code 6080200329



Customized Painting



01



**Vacuum Relief Valve
1 1/2**

Code 5100200012
Setting range:
-0.3 bar / -0.8 bar
Working temperature:
-20°C / +90°C
Thread: G 1 1/2
Weight: 0,65 kg

02



**Overpressure Safety
Valve - 2 1/2**

Code 5100200032
Setting range:
+0,3 bar / +1,5 bar
Working temperature:
-20°C / +90°C
Thread: G 2 1/2
Weight: 1,5 kg

01



**Pulley with
pneumatic
clutch**

Code
60880200036

02



**Revolving Elbow
primary-secondary
Shut-Off valve Ø 120**

Code 6080200328

03A



**Primary Shut-Off Valve
Bapag 3300**

Code 6100200023
Iron ring to be welded
Housing: Mild Steel
Ball: Stainless Steel AISI 304
Connection: Ø 150 mm
Weight: 26 kg

03B



**Primary Shut-Off
SS Valve Bapag 3300**

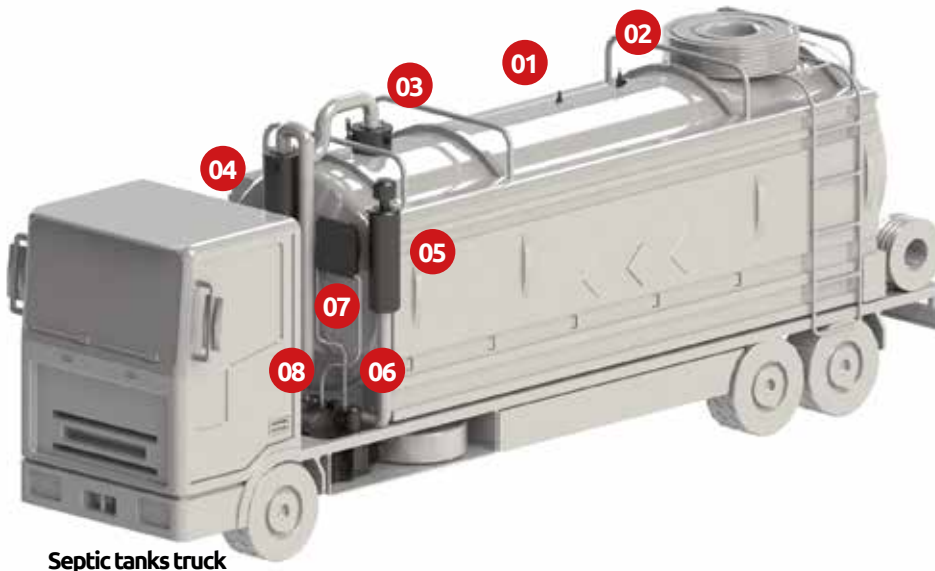
Code 6100200031
Stainless ring to be welded
Housing: Stainless Steel
AISI 304
Ball: Stainless Steel AISI 304
Connection: Ø 150 mm
Weight: 26 kg

05



Filter-Silencer

Code 5090000024
Hose connection: Ø 150 mm
Weight: 51 kg
Length: 1400 mm



Septic tanks truck

04A



**Secondary Shut-Off
Valve -3300**

Code 6100200024
Housing: Galvanized Mild
Steel
Cover: aluminum
Ball: SS AISI 304
Connection: Ø 150 mm
Weight: 55 kg

06



**Discharge valve -
1 1/2**

Code 5040200015
To be fitted on
Secondary valve

08



Aluminum Water Filter

Code 6080200095

04B



**Cyclon valve -3300
SS**

Code 6100200032
Housing: SS AISI 304
Cover: aluminum
Ball: SS AISI 304
Connection: Ø 150 mm
Weight: 55 kg

07



**Air-Water Cooled
with Thermostat**

Code 5090000016
- 24V
Weight: 25 kg



**Battioni®
Pagani**

Setting the pace since 1953

Depression valve on request

Valvola di regolazione vuoto a richiesta
Unterdruckventil auf anfrage

Integrated Air suction filter: filtration in every working condition.

Designed to be operated with cold air and never under pressure: high durability

Filtro integrato in aspirazione: filtrazione in ogni condizione di lavoro.

Operante su aria fredda e mai in pressione: elevata durata

Integrierter Absaugfilter: Filtration in allen

Arbeitsbedingungen ohne Zusatz von Ventilen im System.

Funktioniert mit Hilfe kalter Luft und nie unter Druck: Hohe Lebensdauer

Flow sections designed to minimize load losses and heating

Sezioni di passaggio studiate per minimizzare perdite di carico e riscaldamento

Die Abschnitte wurden so ausgelegt, dass der Druckverlust und die Gefahr der Überhitzung minimiert werden

Painting RAL 7021, resistant to 240 hours corrosion protection – salt- and fog/haze tested

Verniciatura RAL 7021, resistente a 240 ore di esposizione in nebbia salina

Lackierung RAL 7021, beständig gegen 240 Stunden Salz- und Nebeltest

Easy back disassembly

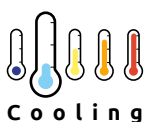
Smontaggio posteriore facilitato

Der Abbau des Hinterteil ist erleichtert

Integrated Gearbox: suitable for agricultural use

Moltiplicatore integrato: adatto ad utilizzo agricolo

Integrierter Multiplikator: für die landwirtschaftliche Nutzung geeignet

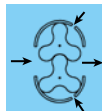


**AIR INJECTION
COOLED - ROTARY
LOBE PUMP**

NEW

AIDA II

16000 - 19000 - 21000 - 26000



● **Non-return valve as series**
Valvola di non ritorno di serie
Kontrollventil als Serie

● **Optimized air injection cooling system to limit the temperature: continuous operation**

Sistema raffreddamento ad iniezione di aria ottimizzato per contenimento temperature: funzionamento in continuo

Die Luftabkühlung sorgt für niedrige Temperaturen: Dauerbetrieb

● **Motion transmission and multiplier in the same gearbox to increase the compactness**

Trasmissione moto e moltiplicatore in unica scatola per aumentare la compattezza

Die Bewegungsübertragung und der Multiplikator ist in einem Gehäuse um die Kompaktheit zu erhöhen

VERSIONS



AIDA - MA

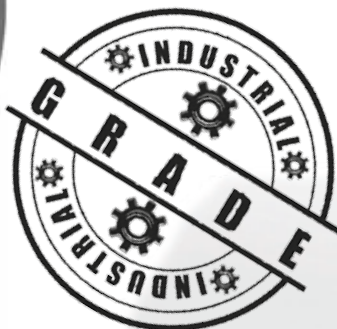


AIDA - P

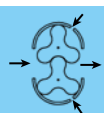


AIDA - HM

Air injection cooled -
Rotary Lobe pump



The picture is only for informative purpose.
See the table on page 89 for the complete list of the available options.



AIDA II

16000 - 19000 - 21000 - 26000



**Battioni®
Pagani**

Setting the pace since 1953

AIDA

AIDA does not require either liquid cooling system or lubrication: even the discharged air into the atmosphere is free of pollutants such as oil, resins etc ...

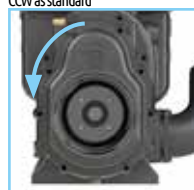
The pumping capacity is obtained by an accurate control of clearance between rotors and between each rotor and blower housing: since tolerances are very tight we need to make sure to prevent any external solid element to enter the pumping chamber.

The blower inlet has an internal filter to block all foreign objects that could damage it.



VERSIONS

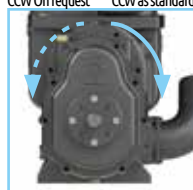
CCW as standard



Version MA

Splined shaft
1"3/8 - Z6 ISO 500

CCW On request CCW as standard



Version P

Smooth Cylindrical shaft,
Ø 35, lenght: 90 mm
Parallel key UNI 6604

CCW as standard



Version HM

Group 4
86,56 cc/rev - Pmax
280 bar - In G 1"1/4 -
Out G 1" 1/2

TECHNICAL DATA

	Geometrical capacity			Max rpm		Max abs pressure Bar (PSI)	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg		
	m³/h	l/min	cfm	MA	P-HM					MA	P	HM
AIDA II 16000	960	16000	565	1050	1050	2 (29)	90 (26,58)	90 (26,58)	21 (28,2)	189	189	220
AIDA II 19000	1140	19000	671	1050	1050	2 (29)	90 (26,58)	90 (26,58)	27 (36,2)	189	189	220
AIDA II 21000	1260	21000	741	1050	1050	2 (29)	90 (26,58)	90 (26,58)	31 (41,5)	209	209	240
AIDA II 26000	1560	26000	918	1050	1050	2 (29)	90 (26,58)	90 (26,58)	39 (52,3)	209	209	240

OPTIONALS



Hydraulic Changeover
Code 6080200315



Hydraulic Revolving Changeover
Code 5090000108



Pneumatic Revolving Changeover
Cod. 6080200306



Pneumatic Revolving Changeover - 3 Positions
Code 6080200307



Silent Block
Code 5060010022

NEW



Flushing Kit
Code 6080200325

NEW



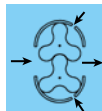
Battioni Pagani Flushing Fluid 5 lt.
Code 5070200102



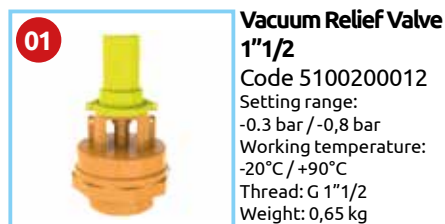
Kit Overpressure 2"
Code 6080200389



Customized Painting



ACCESSORIES



Vacuum Relief Valve 1 1/2
Code 5100200012
Setting range:
-0.3 bar / -0.8 bar
Working temperature:
-20°C / +90°C
Thread: G 1 1/2
Weight: 0,65 kg



Overpressure Safety Valve - 2"
Code 5100200011
Setting range:
+0,3 bar / +1,5 bar
Working temperature:
-20°C / +90°C
Thread: G 2 1/2
Weight: 1,5 kg



Pulley with pneumatic clutch
Code 6080200394



Primary Shut-Off Valve Bapag 3300
Code 6100200023
Iron ring to be welded
Housing: Mild Steel
Ball: Stainless Steel AISI 304
Connection: Ø 150 mm
Weight: 26 kg



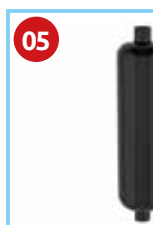
Primary Shut-Off SS Valve Bapag 3300
Code 6100200031
Stainless ring to be welded
Housing: Stainless Steel AISI 304
Ball: Stainless Steel AISI 304
Connection: Ø 150 mm
Weight: 26 kg



Discharge valve - 1 1/2
Code 5040200015
To be fitted on Secondary valve



Secondary Shut-Off Valve - 3300
Code 6100200024
Housing: Galvanized Mild Steel
Cover: aluminum
Ball: SS AISI 304
Connection: Ø 150 mm
Weight: 55 kg



Air Injection Silencer
Code 5090000095
Hose connection:
Ø 100 mm
Weight: 40 kg
Length: 1400 mm



Rain Cap
Code 5090000061
Ø 100 mm
Weight: 0,4 kg
Code 5090000113
Ø 120 mm
Weight: 0,4 kg



Cyclon valve - 3300 SS
Code 6100200032
Housing: SS AISI 304
Cover: aluminum
Ball: SS AISI 304
Connection: Ø 150 mm
Weight: 55 kg



Exhaust Silencer
Code 5090000094
Hose connection:
Ø 120 mm
Weight: 45 kg
Length: 1500 mm



Revolving Elbow primary-secondary Shut-Off valve Ø 120
Code 6080200328

Air injection cooled - Rotary Lobe pump



**Battioni®
Pagani**

Setting the pace since 1953

Predisposition for overpressure valve

Predisposizione per valvola di sovrappressione

Vorbereitung für Überdruckventil

Integrated Air suction filter: filtration in every working condition.

Designed to be operated with cold air and never under pressure: high durability

Filtro integrato in aspirazione: filtrazione in ogni condizione di lavoro.

Operante su aria fredda e mai in pressione: elevata durata

Integrierter Absaugfilter: Filtration in allen

Arbeitsbedingungen ohne Zusatz von Ventilen im System.

Funktioniert mit Hilfe kalter Luft und nie unter Druck: Hohe Lebensdauer

Flow sections designed to minimize load losses and heating

Sezioni di passaggio studiate per minimizzare perdite di carico e riscaldamento

Die Abschnitte wurden so ausgelegt, dass der Druckverlust und die Gefahr der Überhitzung minimiert werden

Painting RAL 7021, resistant to 240 hours corrosion protection – salt- and fog/haze tested

Verniciatura RAL 7021, resistente a 240 ore di esposizione in nebbia salina

Lackierung RAL 7021, beständig gegen 240 Stunden Salz- und Nebeltest

Easy back disassembly

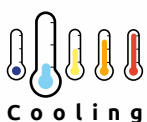
Smontaggio posteriore facilitato

Der Abbau des Hinterteil ist erleichtert

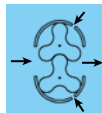
Integrated Gearbox: suitable for agricultural use

Moltiplicatore integrato: adatto ad utilizzo agricolo

Integrierter Multiplikator: für die landwirtschaftliche Nutzung geeignet



**AIR INJECTION
COOLED - ROTARY
LOBE PUMP**



Non-return valve as series
Valvola di non ritorno di serie
Kontrollventil als Serie

Optimized air injection cooling system to limit the temperature: continuous operation

Sistema raffreddamento ad iniezione di aria ottimizzato per contenimento temperature: funzionamento in continuo

Die Luftabkühlung sorgt für niedrige Temperaturen: Dauerbetrieb



Motion transmission and multiplier in the same gearbox to increase the compactness

Trasmissione moto e moltiplicatore in unica scatola per aumentare la compattezza

Die Bewegungsübertragung und der Multiplikator ist in einem Gehäuse um die Kompaktheit zu erhöhen

VERSIONS



AIDA - MA

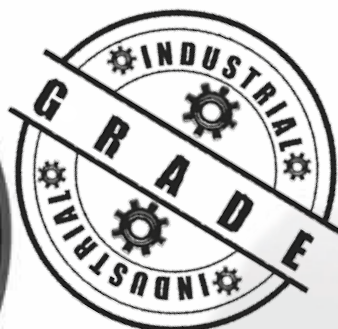


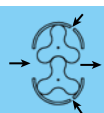
AIDA - P



AIDA - HM

Air injection cooled -
Rotary Lobe pump





AIDA

30000



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Pagani**

Setting the pace since 1953

AIDA

AIDA does not require either liquid cooling system or lubrication: even the discharged air into the atmosphere is free of pollutants such as oil, resins etc ...

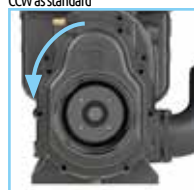
The pumping capacity is obtained by an accurate control of clearance between rotors and between each rotor and blower housing: since tolerances are very tight we need to make sure to prevent any external solid element to enter the pumping chamber.

The blower inlet has an internal filter to block all foreign objects that could damage it.
Poppet check valve as series.



VERSIONS

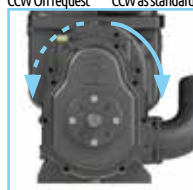
CCW as standard



Version MA

Splined shaft
1"3/8 - Z6 ISO 500

CCW On request CCW as standard



Version P

Smooth Cylindrical shaft,
Ø 35, lenght: 90 mm
Parallel key UNI 6604

CCW as standard



Version HM

Group 4
86,56 cc/rev - Pmax
280 bar - In G 1"1/4 -
Out G 1" 1/2

TECHNICAL DATA

	Geometrical capacity			Max rpm	Max abs pressure Bar (PSI)	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg		
	m³/h	l/min	cfm	MA-P-HM					MA	P	HM
AIDA 30000	1785	29750	1051	1200	2 (29)	90 (26,58")	90 (26,58")	41 (55)	313	313	345

OPTIONALS



**Hydraulic
Changeover**
Code 6080200321



**Pneumatic
Revolving
Changeover**
Code 6080200322



Silent Block
Code 5060010022



**Kit Vacuum Relief
Valve**
Code 6080200312

NEW



Flushing Kit
Code 6080200325

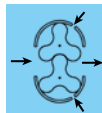
NEW



**Battioni Pagani
Flushing Fluid 5 lt.**
Code 5070200102



**Customized
Painting**



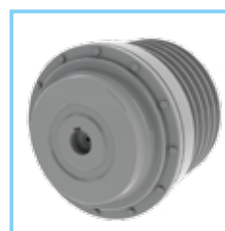
ACCESSORIES



**Vacuum Relief Valve
1 1/2"**
Code 5100200012
Setting range:
-0,3 bar / -0,8 bar
Working temperature:
-20°C / +90°C
Thread: G 1 1/2
Weight: 0,65 kg



**Overpressure Safety
Valve - 2"**
Code 5100200011
Setting range:
+0,3 bar / +1,5 bar
Working temperature:
-20°C / +90°C
Thread: G 2 1/2
Weight: 1,5 kg



**Pulley with
pneumatic
clutch**
Code
6080200394



**Primary Shut-Off Valve
Bapag 3300**
Code 6100200023
Iron ring to be welded
Housing: Mild Steel
Ball: Stainless Steel AISI 304
Connection: Ø 150 mm
Weight: 26 kg



**Primary Shut-Off
SS Valve Bapag 3300**
Code 6100200031
Stainless ring to be welded
Housing: Stainless Steel
AISI 304
Ball: Stainless Steel AISI 304
Connection: Ø 150 mm
Weight: 26 kg



Discharge valve - 1 1/2"
Code 5040200015
To be fitted on Secondary
valve



**Secondary Shut-Off
Valve - 3300**
Code 6100200024
Housing: Galvanized Mild
Steel
Cover: aluminum
Ball: SS AISI 304
Connection: Ø 150 mm
Weight: 55 kg



**Air Injection
Silencer**
Code 5090000095
Hose connection:
Ø 100 mm
Weight: 40 kg
Length: 1400 mm



Rain Cap
Code 5090000061
Ø 100 mm
Weight: 0,4 kg
Code 5090000113
Ø 120 mm
Weight: 0,4 kg



**Cyclon valve - 3300
SS**
Code 6100200032
Housing: SS AISI 304
Cover: aluminum
Ball: SS AISI 304
Connection: Ø 150 mm
Weight: 55 kg



Exhaust Silencer
Code 5090000094
Hose connection: Ø 120 mm
Weight: 45 kg
Length: 1500 mm



**Revolving Elbow
primary-secondary
Shut-Off valve Ø 120**
Code 6080200328

Air injection cooled -
Rotary Lobe pump



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Exit A: centrifuge pump / high pressure pump / outlet splined shaft

Uscita A: Pompa centrifuga / Pompa alta pressione / Albero calettato in uscita

Ausgang A: Zentrifugalpumpe / Hochdruckpumpe / Kardanwelle am Ausgang

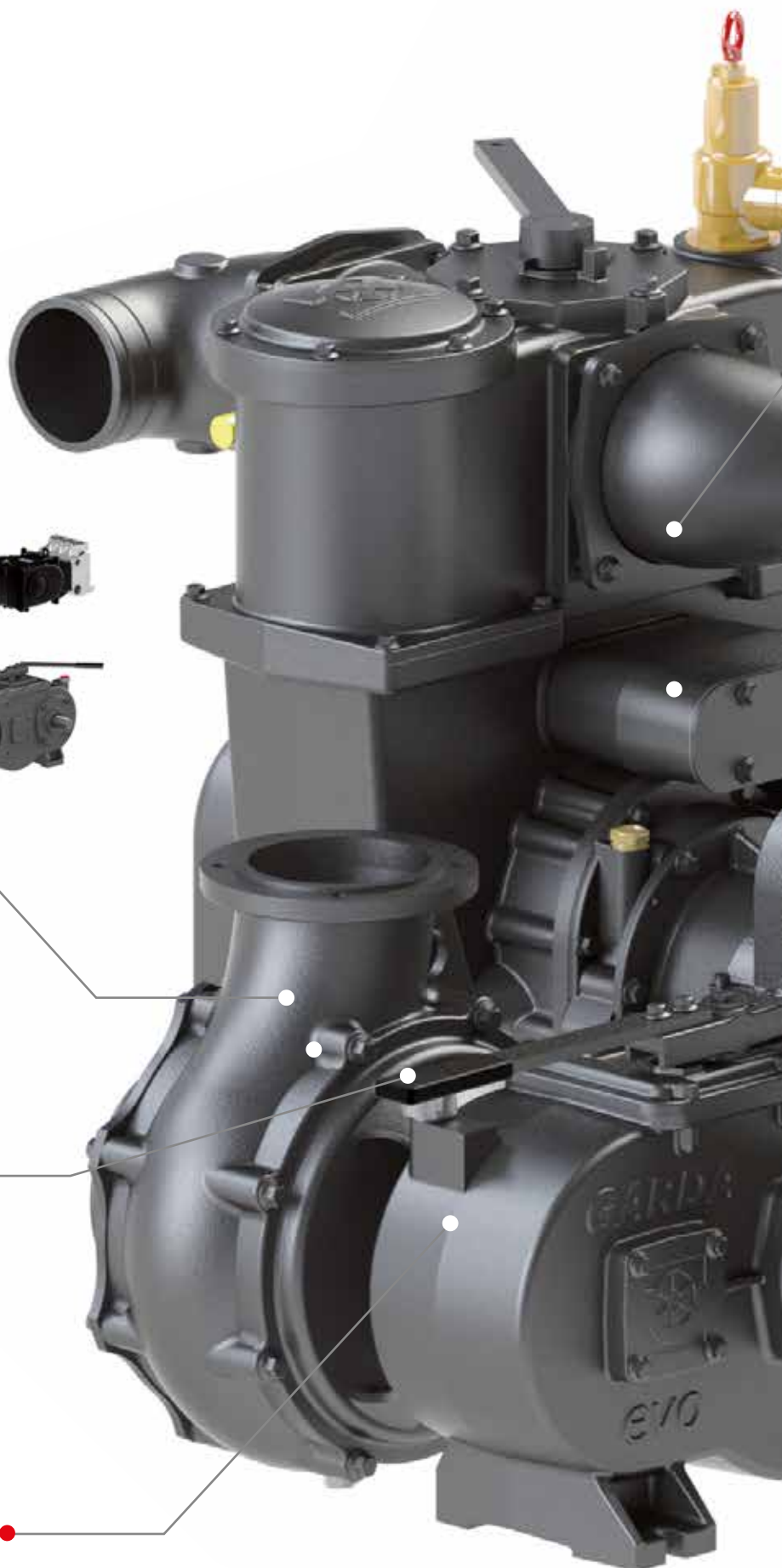


Two levers for alternated and combined use of EXIT A and EXIT B

Due leve per utilizzo alternato o combinato in uscita A e uscita B

Zwei Hebel, für alternative oder kombinierte Verwendungs im Ausgang A und Ausgang B

GARDA EVO Gearbox
Cambio GARDA EVO
Getriebegehäuse



COMBINED GROUPS

GARDA EVO - GARDA - ELBA



Exit B: exhauster / compressor / high pressure pump / outlet splined shaft

Uscita B: Aspiratore / Compressore / Pompa alta pressione / Albero calettato in uscita

Ausgang B: Absauger / Kompressor / Hochdruckpumpe / Kardanwelle am Ausgang



Selection lever for exhauster/ compressor or second equipment

Leva di selezione per Aspiratore / Compressore o seconda applicazione

Hebel für die Wahl zwischen dem Absauger/ Kompressor oder der zweiten Ausstattung

Hydraulic oil pump continuously engaged to the driving shaft Gr.2 or Gr.3

Pompa idraulica G.2 o G.3 sempre inserita

Hydraulikpumpe G.2 oder G.3 immer eingeschaltet

Power take off

Presa di forza

Zapfwelle

VERSIONS



GARDA EVO - D



GARDA EVO - P



GARDA EVO - H

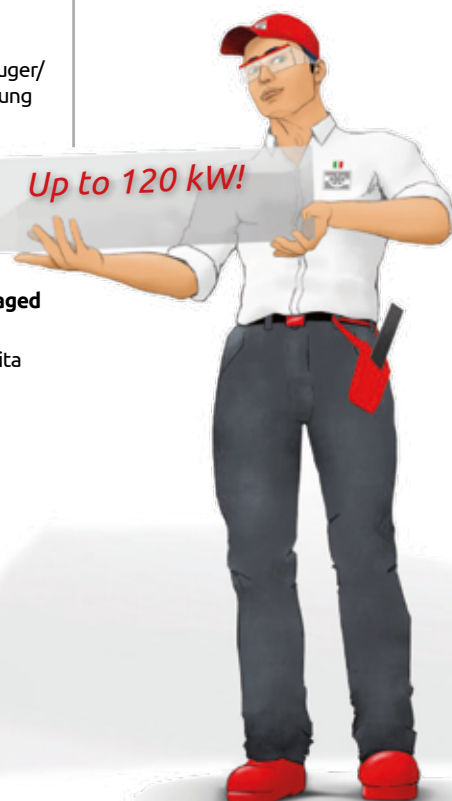


ELBA



GARDA

Up to 120 kW!



Combined Group -
Centrifugal Pump



COMBINED GROUPS

GARDA EVO



**Battioni®
Pagani**

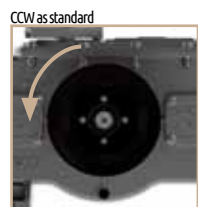
Setting the pace since 1953

Garda Evo is a combined group that drives two outputs (rotary blade pumps, blowers, centrifugal pumps, high pressure pumps and rotating shafts) either alternated (1 lever version) or in the same time (2 levers version).

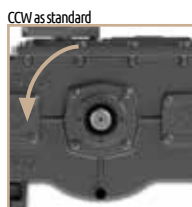
STANDARD FEATURES

- PTO 1000 Rpm

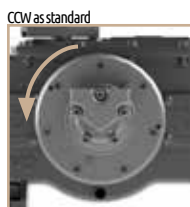
VERSIONS



Version D
Splined shaft
1"3/4 - Z6 ISO 500



Version P
Smooth Cylindrical shaft, Ø 40,
length 79 mm Parallel key UNI 6604



Version H
129 cc/rev - Pmax 400 bar - In G 1" - Out G 1"
240 cc/rev - Pmax 350 bar - In G 1" - Out G 1"

Not available with high pressure pumps
with 1500-2300 rpm

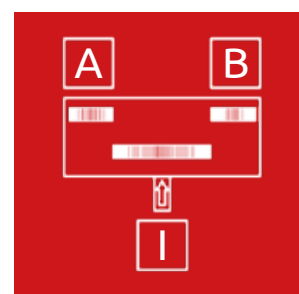


HOW TO CHOOSE YOUR CORRECT VERSION IN 3 STEPS

1° DEFINE PTO. Available options are:

- | | |
|-----------|---|
| D | Splined shaft 1"3/4 - Z6 ISO 500 - 1 lever |
| DT | Splined shaft 1"3/4 - Z6 ISO 500 - 2 levers |
| DK | Splined shaft 1"3/4 - Z6 ISO 500 - 1 lever and hydraulic pump |
| P | smooth cylindrical shaft Ø40, length 79 mm, Parallel key UNI 6604 - 1 lever |
| PT | smooth cylindrical shaft Ø40, length 79 mm, Parallel key UNI 6604 - 2 levers |
| PK | smooth cylindrical shaft Ø40, length 79 mm, Parallel key UNI 6604 - 1 lever and hydraulic pump |
| H | hydraulic motor 129cc/rev-Pmax 400bar-In 1"G-Out 1"G - 1 lever |
| HT | hydraulic motor 240cc/rev-Pmax 350bar-In 1"G-Out 1"G - 2 levers |
| HK | hydraulic motor 129cc/rev-Pmax 400bar-In 1"G-Out 1"G - 1 lever and hydraulic pump |

GARDA EVO EXITS



GARDA EVO PTO

2° DEFINE EXIT A. Available options are:

- | | |
|--------------|--|
| CENTR | CENTRIFUGAL PUMPS (See details on page 62) |
| GK | ROTATING SHAFT (See details on page 63) |
| JET | HIGH PRESSURE PUMP. 2 LEVERS ONLY (See details on page 64) |

3° DEFINE EXIT B. Available options on pages 62-63-64, depending on your choice in step 2.

OPTIONALS FOR ALL VERSION



Hydraulic Changeover
central lever Code 5090000019
lateral lever Code 5090000107



Pneumatic Changeover
central lever Code 6080200300
lateral lever Code 6080200301



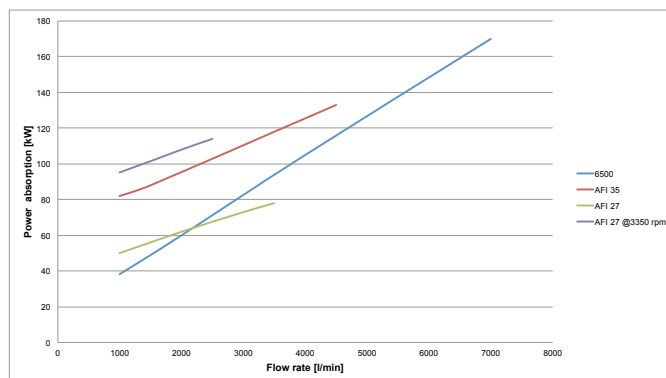
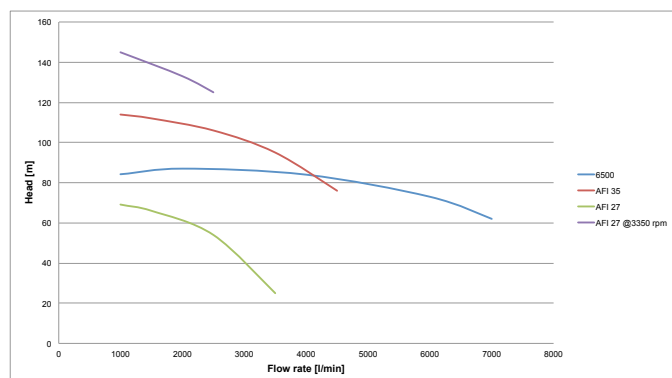
Pump ("K" after input letter)
available only for 1 lever version and centrifugal pumps, vacuum pumps and direct shafts rotating at 2380 rpm.
Pump version is KP 30.27
Hydraulic Changeover not available



EXIT A: CENTRIFUGAL PUMPS ("CENTR")

TECHNICAL DATA FOR AVAILABLE OPTIONS

	Geometrical capacity				PTO Speed (r/min)	Pump Speed (r/min)	Max abs pressure		Power		Weight (kg)
	m³/h	l/min	US gpm	cfm			Bar	PSI	kW	hp	
CENTRIFUGE DODA AFI-27	210	3500	924,6	123	1000	2300	6,5	94	70	94	153
CENTRIFUGE DODA AFI-27 HS	132	2200	581	77	1000	3350	14	202	105	141	153
CENTRIFUGE DODA AFI-35	270	4500	1188,8	159	1000	2300	11	160	130	174	165
CENTRIFUGE GARDA 6500	390	6500	1717	229	1000	2400	7	101	60	80,4	132



Garda-Evo with centrifugal pumps CENTR can be equipped with 1 or 2 levers on the top cover of the gearbox.

Garda-Evo CENTR with 1 lever available options for exit B are the following:

CENTR /D /P /H	C6500	AFI27	AFI27 HIGH SPEED	AFI35
EXIT B options:				
MEC 9000-11000-13500	●	●	●	●
BALLAST	●	●	●	●
STAR	●	●	●	-
WPT	●	●	●	●
KPS	●	●	●	●
KTS	●	-	-	-
AIDA	●	●	-	●
D540-D800-D1000-D1500-D2380	●	●	-	●
P540-P800-P1000-P1500-P2380	●	●	-	●
High Pressure Pump (see list on page 132)	●	●	-	●

● As standard

- Not available

Garda-Evo CENTR with 2 levers or Garda-Evo CENTR with 1 lever and hydraulic pump available options for exit B are the following:

CENTR /DT /PT /HT /DK /PK /HK	C6500	AFI27	AFI27 HIGH SPEED	AFI35
EXIT B options:				
MEC 9000-11000-13500	●	●	●	●
BALLAST	●	●	●	●
STAR	●	●	●	-
WPT	●	●	●	●
KPS	●	●	●	●
KTS	●	-	-	-
D2380	●	●	-	●
P2380	●	●	-	●

● As standard

- Not available

OPTIONALS FOR CENTRIFUGAL PUMPS VERSIONS



Cutting device
C6500
AFI 27
AFI 35



C6500
Ø 140 mm scroll



COMBINED GROUPS

GARDA EVO



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Pagani**

Setting the pace since 1953

EXIT A: ROTATING SHAFT ("GK")

Available options are:

D540rpm-D800rpm-D1000rpm-D1500rpm-D2380rpm

- D** Splined shaft 1"3/4 – Z6 ISO 500 - **1 lever**
- DT** Splined shaft 1"3/4 – Z6 ISO 500 - **2 levers**
- DK** Splined shaft 1"3/4 – Z6 ISO 500 - **1 lever and hydraulic pump**

P540rpm-P800rpm-P1000rpm-P1500rpm-P2380rpm

- P** smooth cylindrical shaft Ø40, length 79 mm, Parallel key UNI 6604 - **1 lever**
- PT** smooth cylindrical shaft Ø40, length 79 mm, Parallel key UNI 6604 - **2 levers**
- PK** smooth cylindrical shaft Ø40, length 79 mm, Parallel key UNI 6604 - **1 lever and hydraulic pump**



Garda-Evo with rotating shaft GK are all with 2 levers on the top cover of the gearbox or 1 lever with hydraulic pump.

Garda-Evo GK with 2 levers available options for exit B are the following:

GK /DT /PT /HT	D540-D800-D1000-D1500	P540-P800-P1000-P1500
EXIT B options:		
MEC 9000-11000-13500	●	●
BALLAST	●	●
STAR	●	●
WPT	●	●
KPS	●	●
KTS	●	●
D540-D800-D1000-D1500-D2380	●	●
P540-P800-P1000-P1500-P2380	●	●

● As standard

- Not available

Garda-Evo with 1 lever and hydraulic pump available options for exit B are the following:

GK /DK /PK /HK	D2380	P2380
EXIT B options:		
MEC 9000-11000-13500	●	●
BALLAST	●	●
STAR	●	●
WPT	●	●
KPS	●	●
KTS	●	●
D2380	●	●
P2380	●	●

● As standard

- Not available

EXIT A: HIGH PRESSURE PUMP ("JET")

Available high pressure pump ordered for rpm are:

800 rpm:

Pratissoli KF 40

HPP EL 128/120 – EL152/100 – ELS 162/110 – GL 109/290 –
GL 135/235 – GL 171/185 – GL 212/150 – GL 256/125

1000 rpm:

Pratissoli KF 28 – KF30 – KF30 – KF36 – KT18 – KT20 – KT22 –

KT24 – KT28 – KT30 – KT32 – KT36

HPP EL 84/190 – EL 102/160 – EL 122/130

1500 rpm:

Pratissoli KT18 – KT20 – KT22 – KT24 – KT28 – KT30 – KT32 – KT36

Annovi Reverberi RTX 100.120



For technical data please ref. at page 132.

Garda-Evo with high pressure pump JET are all with 2 levers on the top cover of the gearbox.

Garda-Evo JET with 2 levers available options for exit B are the following:

JET /DT /PT /HT	High Pressure Pump
EXIT B options:	
MEC 9000-11000-13500	●
BALLAST	●
STAR	●
WPT	●
KPS	●
KTS	●
D540-D800-D1000-D1500-D2380	●
P540-P800-P1000-P1500-P2380	●

● As standard

- Not available



COMBINED GROUPS

GARDA

**Battioni®
Pagani**
Setting the pace since 1953

GARDA

The GARDA group is composed of an exhauster/compressor used to fill agricultural tanks and of a centrifuge pump used for sewage spreading.



VERSIONS

CCW as standard

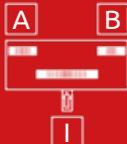


Version D

Splined shaft

1 3/8 - Z6 ISO 500

AVAILABLE VERSIONS

		EXIT A	
		CENTRIFUGAL PUMP 3500	CENTRIFUGAL PUMP 6500
EXIT B	MEC 2000 - 3000 - 4000	●	●
	MEC 5000 - 6500 - 8000	●	●
	STAR 60 - 72 - 84	●	●
	MEC II 9000 - 11000 - 13500	●	●
	BALLAST 3500 - 4500 - 6000 - 7500	●	●
	BALLAST 9000 - 11000 - 13500	-	●
	BALLAST 16000	-	●
	WPT 480 - 600 - 720	-	●
OPTIONALS	MECHANICAL SEAL	●	●
	PRESHAPED RINGS	○	○
	Ø 140 SCROLL	-	○
	CUTTING DEVICE	-	○
	HYDRAULIC CHANGEOVER	○	○
	PNEUMATIC CHANGEOVER	-	-
	TURBO VERSION	-	-
	INPUT 1000 RPM	-	○

● As
standard

○ On
request

- Not
available

OPTIONALS



**Cutting device
GARDA 6500**



**1000 Rpm
GARDA 6500**



**Ø 140 mm scroll
GARDA 6500**

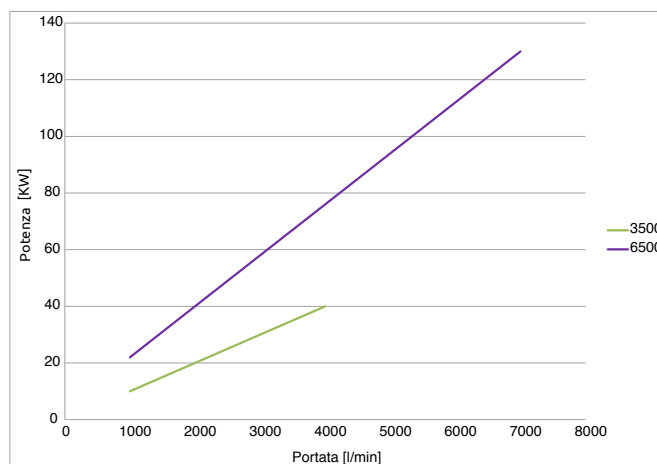


**Hydraulic
Changeover
Code 5090000011**



**Preshaped Ring
GARDA 3500
GARDA 6500**

	centrifugal pump max flow rate			Max rpm	Speed work on request rpm	Head m	Power max kW (HP)	Weight kg
	m³/h	l/min	cfm					
GARDA 3500	210	3500	123	540	-	38	24 (32,2)	104
GARDA 6500	390	6500	229	540	1000	70	60 (80,4)	132



pag. 123

pag. 101

pag. 97

02

pag. 128

02

01

pag. 101

pag. 95

Tank with swivel gun and Garda pump



pag. 104

Code 5060010004-Ø150
Code 5060010002-Ø200



pag. 88

Code 5010401009
GARDA 3500
Code 5010401008
GARDA 6500



ELBA – The Perfect Combination

The ELBA pump series is made up by combining a gearbox and a centrifugal pump.

The ELBA group is utilized for farm lands irrigation, sewage spreading and umbilical systems.

STANDARD FEATURES

- Mechanical seal



VERSIONS

CCW as standard



ELBA 3500 1:4
Splined shaft
1"3/8 - Z6 ISO 500

CCW as standard



ELBA 6500 1:4
Splined shaft
1"3/8 - Z6 ISO 500

CCW as standard



ELBA 3500 1:3
Splined shaft
1"3/8 - Z6 ISO 500

CCW as standard



ELBA 6500 1:3
Splined shaft
1"3/8 - Z6 ISO 500

TECHNICAL DATA

	centrifugal pump max flow rate			Max rpm		Head m	Power at max vacuum kW (HP)	Weight kg
	m ³ /h	l/min	cfm	1:3	1:4			
ELBA 3500	210	3500	123	750	540	38	24 (32,2)	59
ELBA 6500	390	6500	229	750	540	70	60 (80,4)	90

OPTIONALS



**Cutting device
ELBA 6500**



**Heavy duty
bearings**

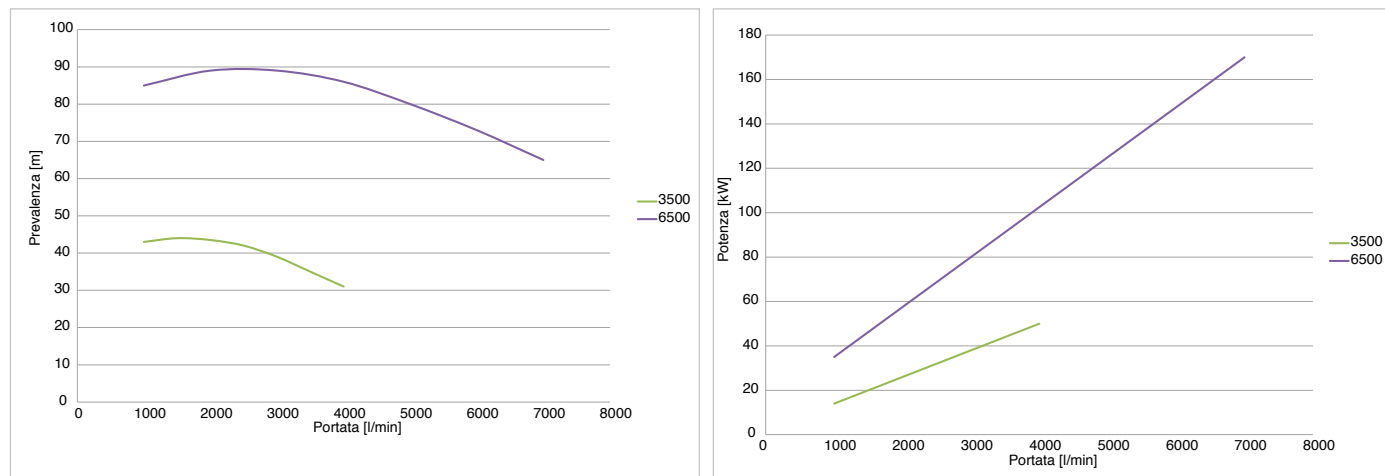


**Preshaped Ring
ELBA 3500**



**Ø 140 mm scroll
ELBA 6500**

CHARTS



ACCESSORIES

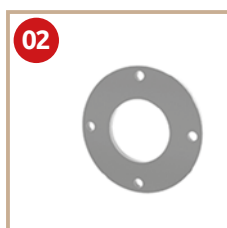


Combined Group -
Centrifugal Pump

Top filling tank and Elba pump



Rubber coupling joint
pag. 104
Code 5060010004 - Ø150
Code 5060010002 - Ø200



Coupling Flange
pag. 88
Code 5010401009
GARDA 3500
Code 5010401008
GARDA 6500



**Battioni®
Pagani**

Setting the pace since 1953

Low cost stator and lobes replacement

Sostituzione economica di statori e lobi

Wirtschaftlicher Austausch von Statoren und Kolben

Wear-resistant special steel plates standard

Piastre anti-usura in acciaio speciale di serie

Spezielle Verschleißschutzplatten serienmäßig



**Available coatings are:
NBR rubber, SBR rubber,
FKM rubber, EPDM rubber**

Rivestimenti disponibili:
gomma NBR, gomma SBR,
gomma FKM, gomma EPDM

Verfügbare Ummantelung:
NBR, SBR, FKM und EPDM

Bilobe rotors

Rotori bilobati

Doppelkolbenrotoren



**Double splined shaft to reverse
rotational direction**

Doppio albero per versione D per
invertire senso di rotazione

Doppelte Welle für Ausführung D zur
Inversion der Rotationsrichtung



Self Priming
Rotary Lobe
Liquid Transfer
Pumps

VERSIONS



BR - D



BR - EL



BR - H



BR - HM



BR - P

● **FKM sealings up to 10 bar resistant**

Tenute in FKM per pressioni fino a 10 bar
Dichtungen aus FKM für Druck von bis zu 10 bar

● **Double bearings shaft support for high pressure resistance**

Albero sostenuto da due cuscinetti per alte pressioni
Welle gehalten von zwei Hochdrucklagern

BR Ideal for high pressures





BR

40 - 80 - 120 - 160 - 200 - 240 - 280



**Battioni®
Pagani**

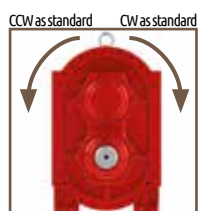
Setting the pace since 1953

BR – The simply reliable

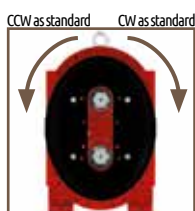
The BR series of positive displacement rotary lobes pumps are utilized for liquids and muds handling. It requires absence of abrasives and solid bodies less than 20mm wide. The BR series is equipped by replaceable wear-resistant plates to reduce maintenance costs. The BR features a robust design thanks to the double shaft support that enables operation at high working pressure and significant vibrations reduction. The BR simple and modular design gives high performances at low cost. The pump is ideal for agricultural applications or as auxiliary pump in vacuum trucks.



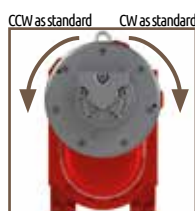
VERSIONS



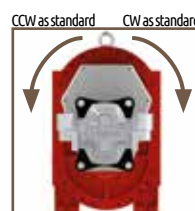
Version P
BR 40/80/120/160
Smooth Cylindrical shaft,
Ø 38, lenght 100 mm
Parallel key UNI 6604
BR 200/240/280
Smooth Cylindrical shaft,
Ø 48, lenght 120 mm
Parallel key UNI 6604



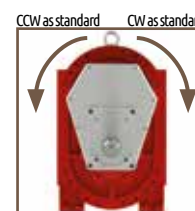
Version D
Splined shaft
1 3/8 - Z6 ISO 500



Version H
304 cc/rev
Pmax 250 bar
In G 1" - Out G 1"



Version HM
Group 3
73,82 cc/rev
Pmax 180 bar
In G 1" - Out G 1 1/4



Version EL
Splined shaft
1 3/8 - Z6 ISO 500

TECHNICAL DATA

	Geometrical capacity			Max rpm			Max Pressure Abs Bar (PSI)		Power Required at Max Pressure kW (hp)		Weight kg				
	m³/h	l/min	cfm	P/D	H	HM/EL	P/D/H	HM/EL	P/D/H	HM/EL	P	D	H	HM	EL
BR 40	42	710	25	540	/	1620	10 (145)	10 (145)	13 (17,4)	13 (17,4)	101	103	/	122	107
BR 80	85	1425	50	540	/	1620	10 (145)	10 (145)	27 (36,2)	27 (36,2)	119	121	/	142	125
BR 120	127	2125	75	540	/	1620	10 (145)	6 (87)	39 (52,2)	25 (33,5)	137	139	/	158	143
BR 160	172	2875	101	540	/	1620	8 (116)	5 (72)	43 (57,6)	29 (38,9)	161	163	/	182	167
BR 200	210	3500	123	540	540	/	7 (101)	/	48 (64,3)	/	181	182	237	/	/
BR 240	255	4250	150	540	540	/	6 (86)	/	50 (67,0)	/	197	198	252	/	/
BR 280	297	4950	174	540	540	/	5 (72)	/	52 (69,7)	/	217	218	272	/	/

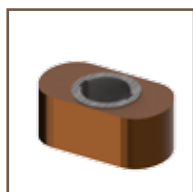
OPTIONALS



SBR Rubber Lobes



EPDM Rubber Lobes



FKM Rubber Lobes



Lubricated Sealings Kit



BR Elbows Kit
Code 6080200024 - BR 80
Code 6080200025 - BR 120
Code 6080200026 - BR 160
Code 6080200027 - BR 200
Code 6080200028 - BR 240
Code 6080200029 - BR 280



Overpressure Valve 2" - 2" 1/2
Code 5100200033
BR 40-80-120-160
Code 5100200034
BR 200-240-280



Customized Painting

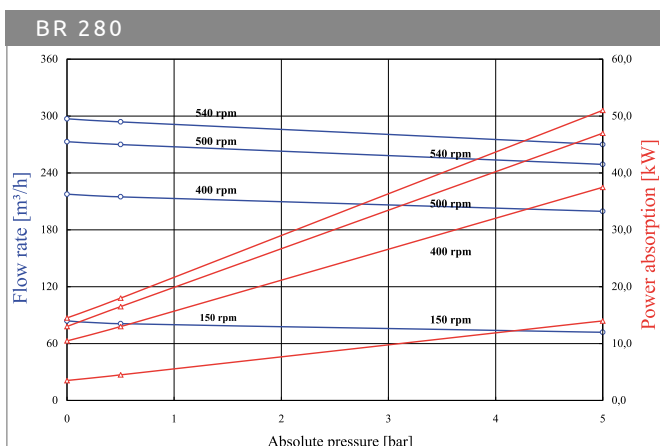
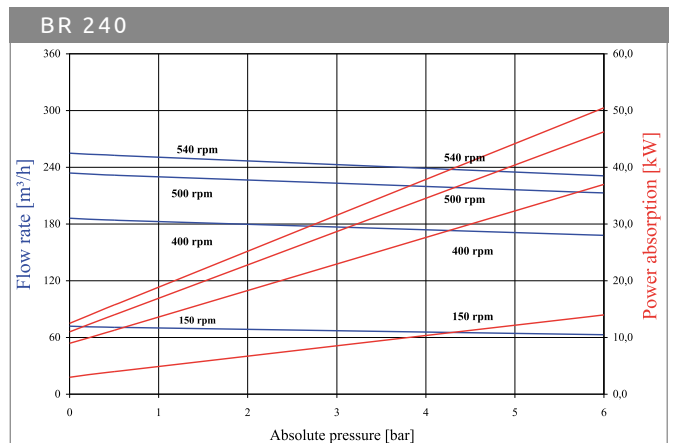
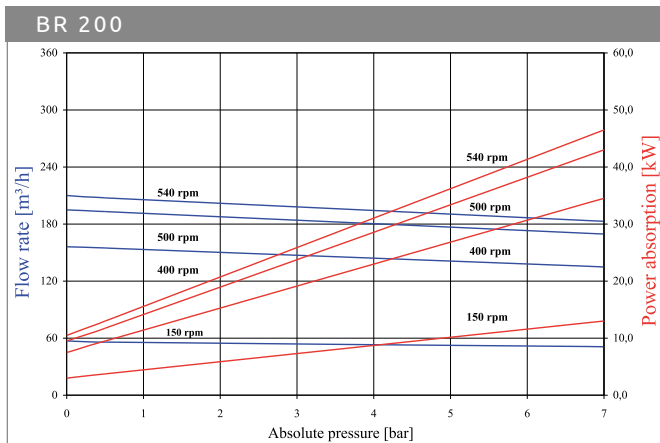
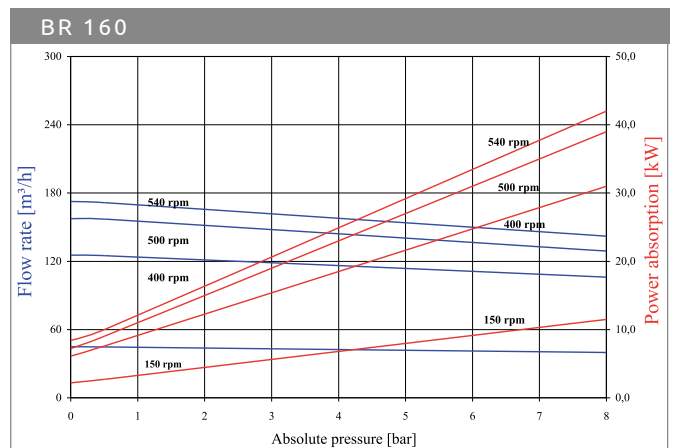
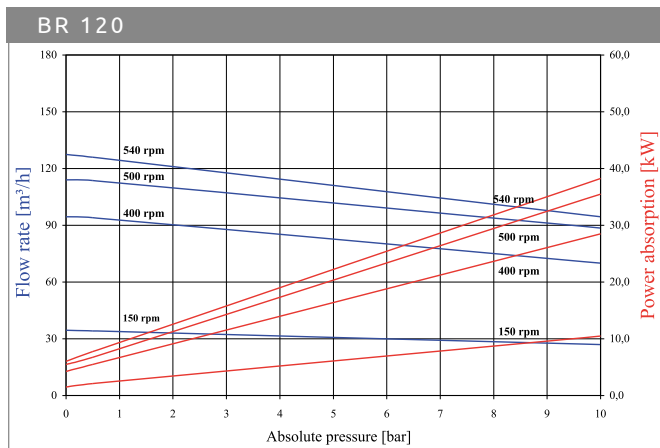
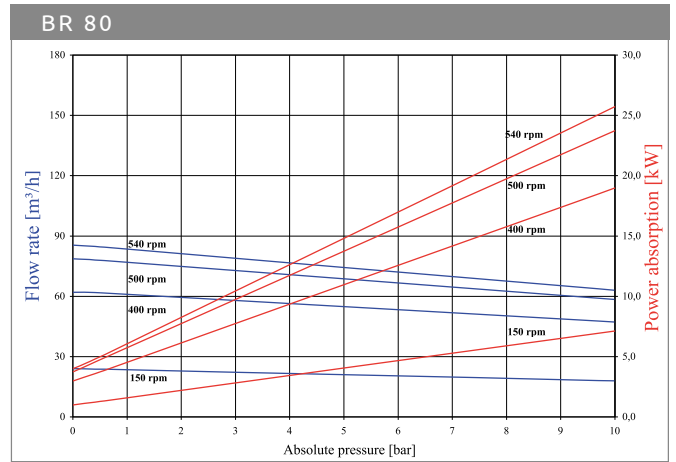
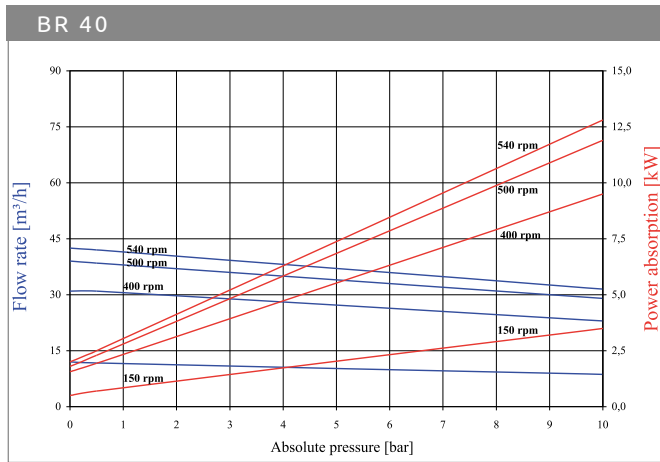


Coupling Flange BR
Code 5010401021 - BR 40
Code 5010401012 - BR 80
Code 5010401013 - BR 120
Code 5010401014 - BR 160

Code 5010401015 - BR 200
Code 5010401016 - BR 240
Code 5010401017 - BR 280



FLOW-PRESSURE CHARTS





**Battioni®
Pagani**

Setting the pace since 1953

Easy maintenance rear shaft support (standard on BR EVO 170 and 260)

Supporto posteriore per alberi easy maintenance (di serie per BR EVO 170 e 260)

Halterung vorn für Wellen Easy Maintenance (serienmäßig für BR EVO 170 und 260)

Friendly Maintenance

Facile manutenzione e pulizia

Einfache Wartung und Reinigung



Trilobe rotor design standard. Available coatings are: NBR rubber, FKM rubber, EPDM rubber.

Geometria trilobata del rotore di serie.
Rivestimenti disponibili: gomma NBR, gomma FKM, gomma EPDM.

Kleeblattform des serienmäßigen Rotors.
Verfügbare Ummantelung: NBR, SBR, FKM und EPDM



Tungsteno carbide (Widia) seals: specifically designed for heavy duty applications to grant maximum wear-resistance

Tenute meccaniche in carburo di tungsteno (Widia): studiate per usi gravosi e anti-usura.

Dichtungen aus Wolframcarbid (Widia) für den Einsatz hart und Anti-Verschleiß

Seals cooling room standard

The seals cooling room is included as standard feature to grant the cooling and lubrication of the tungsten carbide seals (Widia).

Camera raffreddamento tenute di serie. Permette il raffreddamento e la lubrificazione delle tenute in carburo di tungsteno (Widia).

Raumkühlung erforderlichen Standard. Ermöglicht Kühlung und Schmierung von Dichtungen in Wolframcarbid (Widia).



Self Priming
Rotary Lobe
Liquid Transfer
Pumps

BR EVO

50 - 90 - 170 - 260



Heavy duty shafts standard

Alberi per usi gravosi di serie

Wellen für starke Beanspruchung serienmäßig

Wear-resistant special steel plates standard

Piastre anti-usura in acciaio speciale di serie

Spezielle Verschleißschutzplatten serienmäßig

VERSIONS



BR EVO - D

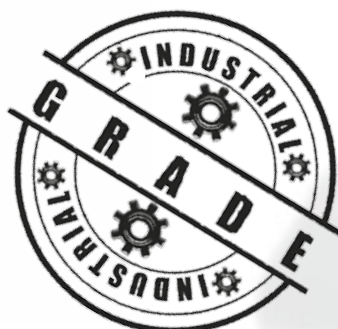


BR EVO - P



BR EVO - H

BR EVO Friendly Maintenance from rear cover!



The picture is only for informative purpose.
See the table on page 89 for the complete list of the available options.



BR EVO

50 - 90 - 170 - 260



**Battioni®
Pagani**

Setting the pace since 1953

BR-EVO – The evolution

The BR-EVO series of positive displacement rotary lobes pumps is the evolution of the BR pump. Utilized for liquids and muds handling, the BR-EVO requires absence of abrasives and solid bodies less than 30mm wide.

The BR-EVO gearbox is a separate part from the pumping group. This prevents the gearbox to be damaged in case of a break of the mechanical seals.

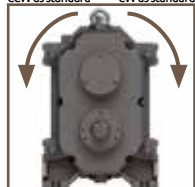
The BR-EVO features trilobal lobes design and cooled WIDIA mechanical seals.

The BR-EVO has been specifically designed for in field easy maintenance: rubber lobes, mechanical seals and wear-resistant plates can be replaced without having to remove the pump from the truck system and without having to open the pipes.



VERSIONS

CCW as standard CW as standard



Version P

BR EVO 50

Smooth Cylindrical shaft, Ø 28, lenght: 60 mm

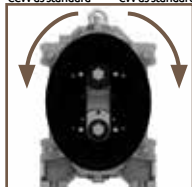
Parallel key UNI 6604

BR EVO 90-170-260

Smooth Cylindrical shaft, Ø 38, lenght: 80 mm

Parallel key UNI 6604

CCW as standard CW as standard

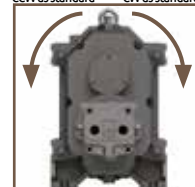


Version D

Splined shaft

1"3/8 - Z6 ISO 500

CCW as standard CW as standard



Version H

BR EVO 50: 99.8 cc/rev - Pmax 175 bar -

In G 1/2" - Out G 1/2"

BR EVO 90-170: 201.4 cc/rev - Pmax 175 bar -

In G 3/4" - Out G 3/4"

BR EVO 260: 326.3 cc/rev - Pmax 175 bar -

In G 3/4" - Out G 3/4"

TECHNICAL DATA

	Geometrical capacity			Max rpm			Max Pressure Abs Bar (PSI)			Power Required at Max Pressure kW (hp)			Weight kg		
	m³/h	l/min	cfm	P	D	H	P	D	H	P	D	H	P	D	H
BR EVO - 50	38	633	22	600	600	600	10 (145)	10 (145)	10 (145)	11 (14,7)	11 (14,7)	11 (14,7)	80	82	96
BR EVO - 90	94	1567	55	600	600	600	8 (116)	8 (116)	8 (116)	19 (25,4)	19 (25,4)	19 (25,4)	150	152	176
BR EVO - 170	166	2767	98	600	600	600	8 (116)	8 (116)	8 (116)	29 (38,9)	29 (38,9)	29 (38,9)	165	167	191
BR EVO - 260	283	4718	166	600	600	600	6 (86)	6 (86)	6 (86)	44 (59,0)	44 (59,0)	44 (59,0)	214	216	240

OPTIONALS



SBR Rubber Lobes



FKM Rubber Lobes



EPDM Rubber Lobes



Round Suction Hose Connectors Kit

Code 4440001201

BR EVO 90

Code 4440001202

BR EVO 170

Code 4440001203

BR EVO 260



Square Suction Hose Connectors Kit

Code 4011501034

BR EVO 90

Code 4011501035

BR EVO 170



Overpressure Valve 2" - 2" 1/2

Code 5100200033

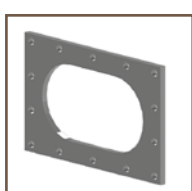
BR EVO 50 - 90 - 170

Code 5100200034

BR EVO 260



Elbows Kit



Coupling Flange BR EVO 90

Code 4440001200

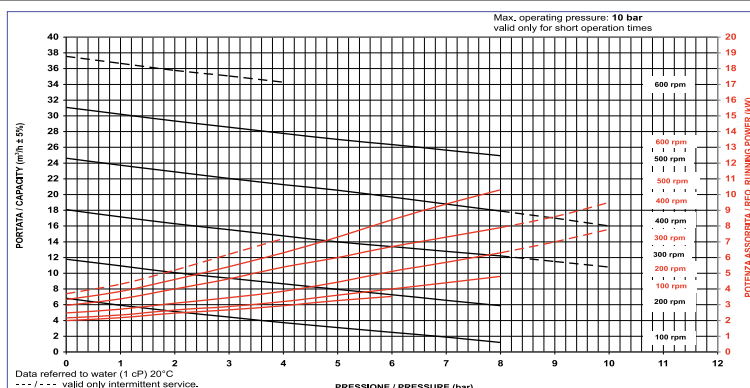


Customized Painting

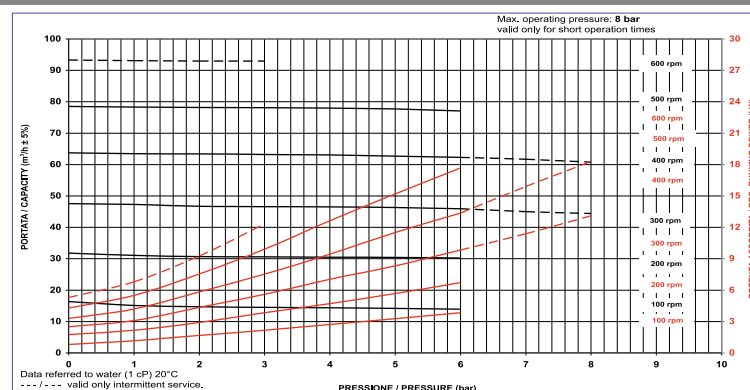


FLOW-PRESSURE CHARTS

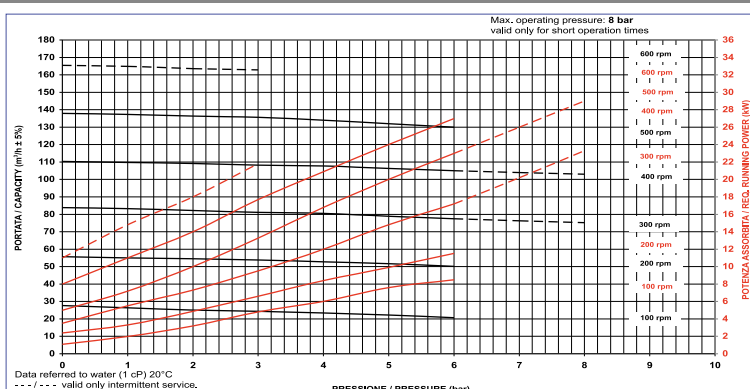
BR EVO 50



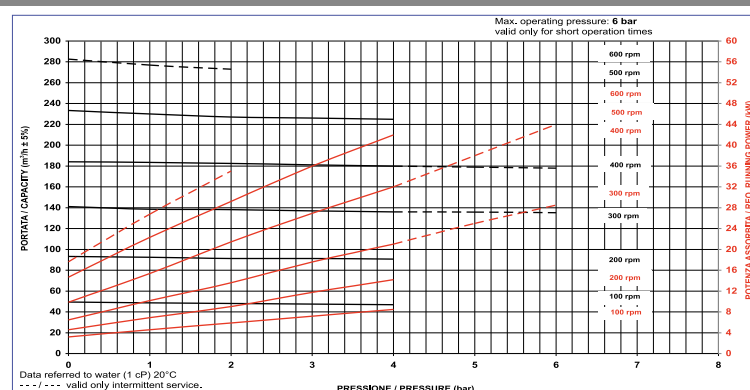
BR EVO 90



BR EVO 170



BR EVO 260





**Battioni®
Pagani**

Setting the pace since 1953

Temperature indicator
Rilevatore di temperatura
Temperaturdedektor



160° C Irreversible indicator

Indicatore
Irreversibile 160° C
irreversibel
Anzeiger 160°C

**Forced lubrication pump
as standard (automatic
lubrication on request)**

Pompa di lubrificazione
forzata di serie
a(lubrificazione automatica a
richiesta)

Druckschmierung als Serie
(Automatische Schmierung
auf Anfrage)

Long Life blades as standard

Palette "long life" resistenti al calore di serie

Hitzebeständigen Lamellen aus Spezialmaterial als Serie



**High wearing resistance thanks to cast-iron
with high hardness**

Elevata resistenza ad usura grazie a ghisa ad
alta durezza

Hohe Festigkeit zu Abnutzung für
Gußeisen mit hohe Härte



**HOSEREELS
EMPTYING
COMPRESSORS**

HOSE REELS EMPTYING COMPRESSORS

MEC - MEC II - WPT



CRASH PROTECTION SYSTEM

Sliding Flanges to avoid breakages of the body and rotor during vanes crashes

Flange con asole di scorrimento in caso di ingresso materiale o rottura palette

Flansche mit Slotsbleettern falls Materialschmierung oder Palettenbruch



Flange-housing alignment control

Tacca di allineamento flangia - corpo

Ausrichtmarke der Flanschgehäuse



Blades inspection hole

Foro ispezione palette

Bohrung für Lamellen Prüfung

Vaness inspection hole with max wearing indicator

Tacca per rilevamento usura palette

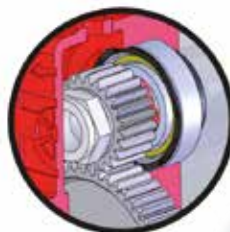
Ausrichtmarke für die Abnutzung der Palette



Compression and thrust rings for bearings

Anello di compensazione

Ausgleichsring



VERSIONS



MEC SC



MEC II SC



WPT SC

**Max Pressure
4 abs bar**



Hose Reels Emptying
Compressors



MEC - MEC II - WPT / SC



**Battioni®
Pagani**

Setting the pace since 1953

Compressor for irrigator

The version S.C. has been designed to be used as compressor for empty hose reel irrigators.

STANDARD FEATURES

- Available hoses connections: Ø 2" G / Ø 2" 1/2 G



MEC SC
6500-8000



MEC II SC
9000-11000-13500



WPT SC
480-600-720

VERSIONS

CCW as standard



Version M

Splined shaft

1"3/8 - Z6 ISO 500

TECHNICAL DATA

	Geometrical capacity			Max rpm		Max abs pressure Bar/PSI	Power required at max pressure kw (HP)	Weight kg
	m³/h	l/min	cfm	M	MA			M
MEC SC 6500	420	7000	247	600	-	4 (58)	34 (59)	123
MEC SC 8000	486	8100	286	600	-	4 (58)	40 (53,6)	135
MEC II SC 9000	541	9030	319	600	1000	4 (58)	46 (61,6)	118
MEC II SC 11000	668	11137	393	600	1000	4 (58)	50 (67)	133
MEC II SC 13500	830	13845	489	600	1000	4 (58)	54 (72,4)	151
WPT SC 480	582	9700	342	600	1000	4 (58)	46 (61,6)	243
WPT SC 600	708	11800	416	600	1000	4 (58)	50 (67)	291
WPT SC 720	852	14200	501	600	1000	4 (58)	54 (72,4)	339

OPTIONALS



**Battioni Pagani
Vacuum Pump
Oil 5 lt.**
Code 5070200100

NEW



**Battioni Pagani
Flushing Fluid 5 lt.**
Code 5070200102

NEW



Flushing Kit
Code 6080200325



**Air-Water Cooled with
Thermostat WPT only**
Code 5090000081 - 12V
Code 5090000082 - 24V
Weight: 17,8 kg



**Customized
Painting**



ACCESSORIES





**Battioni®
Pagani**

Setting the pace since 1953

Muffler with spark arrestor

Silenziatore con rompifiamme
incorporato

Schalldämpfer mit
eingebetteten Flammen Pause

Centrifugal clutch

Frizione centrifuga

Fliehkraftkupplung

Battery

Batteria

Batterie

Recoil Starter

Avviamento manuale

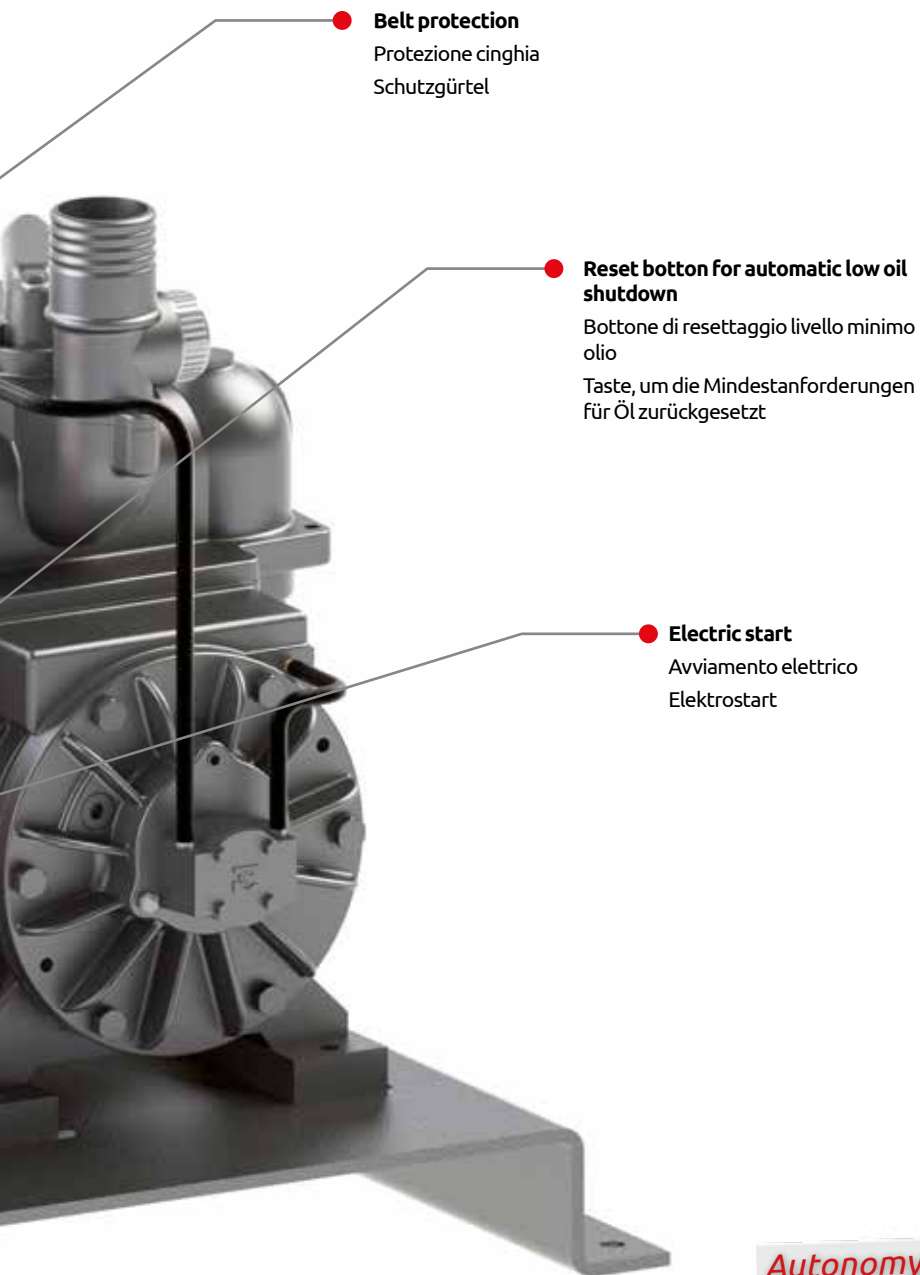
Manueller Start



POWERED UNIT
(GASOLINE,
DIESEL,
ELECTRICAL)

POWERED UNIT

GASOLINE, DIESEL, ELECTRIC



VERSIONS



GASOLINE
ENGINE



DIESEL ENGINE



ELECTRIC
ENGINE

Autonomy at your service



The picture is only for informative purpose.
See the table on page 89 for the complete list of the available optionals.

GASOLINE ENGINE DRIVEN SYSTEM

The Battioni Pagani Gasoline engines driven systems have been designed and manufactured in compliance with EEC safety regulations and have been assessed for risks according to standard uni EN iso 14121-1:2007; in particular they are in conformity with directive 2006/42/CE and subsequent modifications and additions.



MAIN APPLICATIONS

- Semi trailer for emptying portable toilets
- Semi trailer for emptying chemical toilets trains
- Stationary plant

VERSIONS



**Version
BELT DRIVEN**



**Version
FRONT BELT**

TECHNICAL DATA

Group	MAX RATE OF FLOW l/min	CONTINUOUS WORKING TIME WITH STANDARD BLADES min	CONTINUOUS WORKING TIME WITH LONG LIFE BLADES min	MAX ABSOLUTE (RELATIVE) PRESSURE bar	VACUUM INTERMITTENT bar	VACUUM CONTINUOUS bar
MEC 2000 B.D.	2750	6-8	15	2(1)	-0.91	-0.5
MEC 3000 B.D.	3600	6-8	15	2(1)	-0.92	-0.5
MEC 4000 B.D.	4350	6-8	15	2(1)	-0.94	-0.5
MEC 4000 B.D. + WATER PUMP	4350	6-8	15	2(1)	-0.94	-0.5
MEC 5000 B.D.	6150	6-8	15	2(1)	-0.94	-0.5
MEC 6500 B.D.	7000	6-8	15	2(1)	-0.94	-0.5
MEC 8000 B.D.	8100	6-8	15	2(1)	-0.94	-0.5
MEC 9000 B.D.	9030	6-8	15	2(1)	-0.95	-0.5
MEC 1000 F.B.	1260	6-8	15	2(1)	-0.89	-0.5
MEC 1600 F.B.	1980	6-8	15	2(1)	-0.89	-0.5
MEC 2000 F.B.	2750	6-8	15	2(1)	-0.91	-0.5

OPTIONALS



Gasoline Tank
Code 5090000059



Rev counter
Code 5090000072



Muffler
Code 5090000057



**Battioni Pagani
Vacuum
Pump Oil 5 lt.**
Code 5070200100

NEW



**Battioni Pagani
Flushing Fluid 5 lt.**
Code 5070200102

NEW



Flushing Kit
Code 6080200325

OPTIONALS



Customized
Painting

GASOLINE ENGINE



VERSIONS

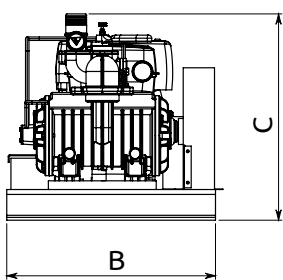
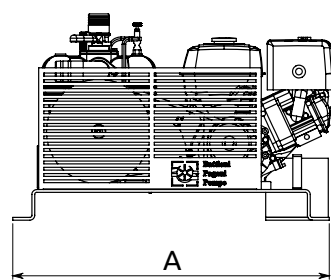


BELT DRIVEN



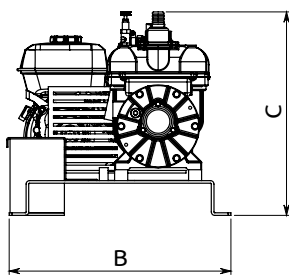
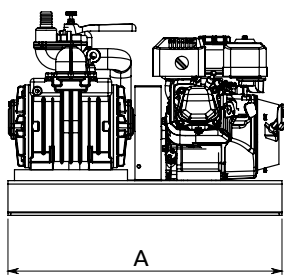
FRONT BELT

TECHNICAL DATA - OVERALL DIMENSIONS



BELT DRIVEN

GROUP	A (mm)	B (mm)	C (mm)
MEC 2/3/3.5/4/4.500 B.D.	890	600	590
MEC 5/6.5/7.5/8/9.000 B.D.	1030	780	710



FRONT BELT

GROUP	A (mm)	B (mm)	C (mm)
MEC 1.000/1.600 F.B.	690	640	495
MEC 2.000 F.B.	890	600	590



DIESEL ENGINE



Battioni®
Pagani

Setting the pace since 1953

DIESEL ENGINE DRIVEN SYSTEM

The Battioni Pagani Diesel engines driven systems B have been designed and manufactured in compliance with EEC safety regulations and have been assessed for risks according to standard uni EN iso 14121-1:2007; in particular they are in conformity with directive 2006/42/CE and subsequent modifications and additions.



MAIN APPLICATIONS

- Semi trailer for emptying portable toilets
- Semi trailer for emptying chemical toilets trains
- Stationary plant

VERSIONS



Version
BELT DRIVEN



Version
DIRECT DRIVE

TECHNICAL DATA

Group	MAX RATE OF FLOW l/min	CONTINUOUS WORKING TIME WITH STANDARD BLADES min	CONTINUOUS WORKING TIME WITH LONG LIFE BLADES min	MAX ABSOLUTE (RELATIVE) PRESSURE bar	VACUUM INTERMITTENT bar	VACUUM CONTINUOUS bar
MEC 2000 B.D.	2750	6-8	15	2(1)	-0.91	-0.5
MEC 3000 B.D.	3600	6-8	15	2(1)	-0.92	-0.5
MEC 4000 B.D.	4350	6-8	15	2(1)	-0.94	-0.5
MEC 5000 B.D.	6150	6-8	15	2(1)	-0.94	-0.5
MEC 6500 B.D.	7000	6-8	15	2(1)	-0.94	-0.5
MEC 8000 B.D.	8100	6-8	15	2(1)	-0.94	-0.5
MEC 9000 D.D.	9030	6-8	15	2(1)	-0.95	-0.5
MEC 11000 D.D.	11137	6-8	15	2(1)	-0.95	-0.5
MEC 13500 D.D.	13845	6-8	15	2(1)	-0.95	-0.5
STAR 60 D.D.	10680	6-8	15	2(1)	-0.95	-0.5
STAR 72 D.D.	11870	6-8	15	2(1)	-0.95	-0.5
STAR 84 D.D.	14420	6-8	15	2(1)	-0.95	-0.5
WPT 480 D.D.	9700	6-8	15	2(1)	-0.95	-0.5
WPT 600 D.D.	11800	6-8	15	2(1)	-0.95	-0.5
WPT 720 D.D.	14200	6-8	15	2(1)	-0.95	-0.5
KTM 2300 D.D.	36300	6-8	15	2(1)	-0.95	-0.5

OPTIONALS



Diesel Tank
Code 6080200237



Battioni Pagani
Vacuum Pump Oil 5 lt.
Code 5070200100

NEW



Battioni Pagani
Flushing Fluid 5 lt.
Code 5070200102

NEW



Flushing Kit
Code 6080200325



Customized
Painting

VERSIONS

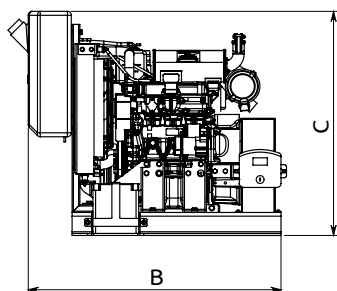
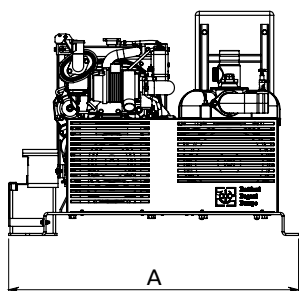


BELT DRIVEN



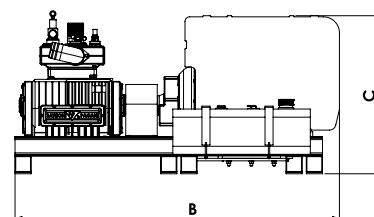
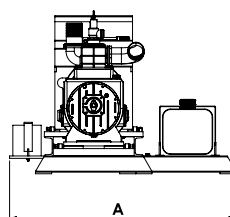
DIRECT DRIVE

TECHNICAL DATA - OVERALL DIMENSIONS



BELT DRIVEN

GROUP	A (mm)	B (mm)	C (mm)
MEC 2000	910	540	590
MEC 6.5/8.000	1110	970	860



GROUP	A (mm)	B (mm)	C (mm)
MEC II/STAR/WPT	1400	2005	1000
KTM 2300	1000	2800	1300

ELECTRIC MOTOR DRIVEN SYSTEM

The Battioni Pagani Electric motor driven systems have been designed and manufactured in compliance with EEC safety regulations and have been assessed for risks according to standard uni EN iso 14121-1:2007; in particular they are in conformity with directive 2006/42/CE and subsequent modifications and additions.



MAIN APPLICATIONS

- Semi trailer for emptying portable toilets
- Semi trailer for emptying chemical toilets trains
- Stationary plant

VERSIONS



**Version
DIRECT DRIVE**



**Version
FRONT BELT**



**Version
BELT DRIVE**

TECHNICAL DATA

GROUP	MAX RATE OF FLOW l/min	GEOMETRICAL CAPACITY mc/h	MAX RELATIVE PRESSURE bar
BR 40 F.B.	710	42	10
BR 80 F.B.	1425	85	10
BR 40 D.D.	710	42	10
BR 80 D.D.	1425	85	10
BR 120 D.D.	2125	127	10
BR 160 D.D.	2875	172	8
BR EVO 50 D.D.	633	38	10

Group	MAX RATE OF FLOW l/min	CONTINUOUS WORKING TIME WITH STANDARD BLADES min	CONTINUOUS WORKING TIME WITH LONG LIFE BLADES min	MAX ABSOLUTE (RELATIVE) PRESSURE bar	VACUUM INTERMITTENT bar	VACUUM CONTINUOUS bar
MEC 3000 B.D.	3600	6-8	15	2(1)	-0.92	-0.5

OPTIONALS



**Customized
Painting**



VERSIONS



DIRECT DRIVE

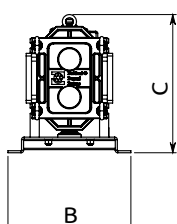
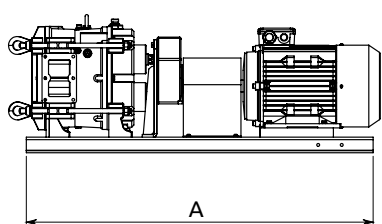


FRONT BELT



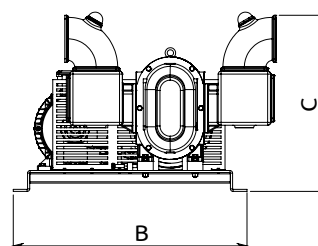
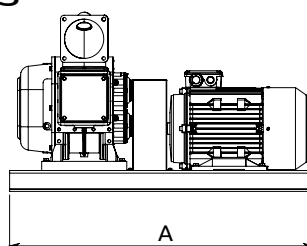
BELT DRIVE

TECHNICAL DATA - OVERALL DIMENSIONS



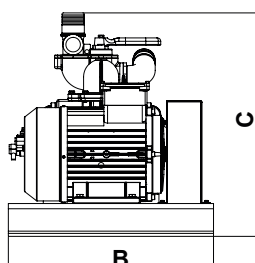
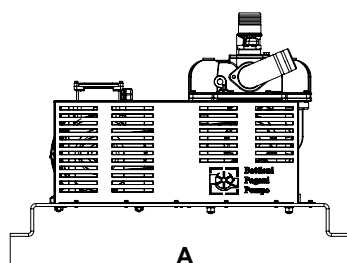
DIRECT DRIVE

GROUP	A (mm)	B (mm)	C (mm)
BR EVO 50	1350	470	530
BR 40/80	1500	470	600
BR 120/160	1650	470	600



FRONT BELT

GROUP	A (mm)	B (mm)	C (mm)
BR 40/80	1160	890	670



BELT DRIVE

GROUP	A (mm)	B (mm)	C (mm)
MEC 3000 BD	910	550	600

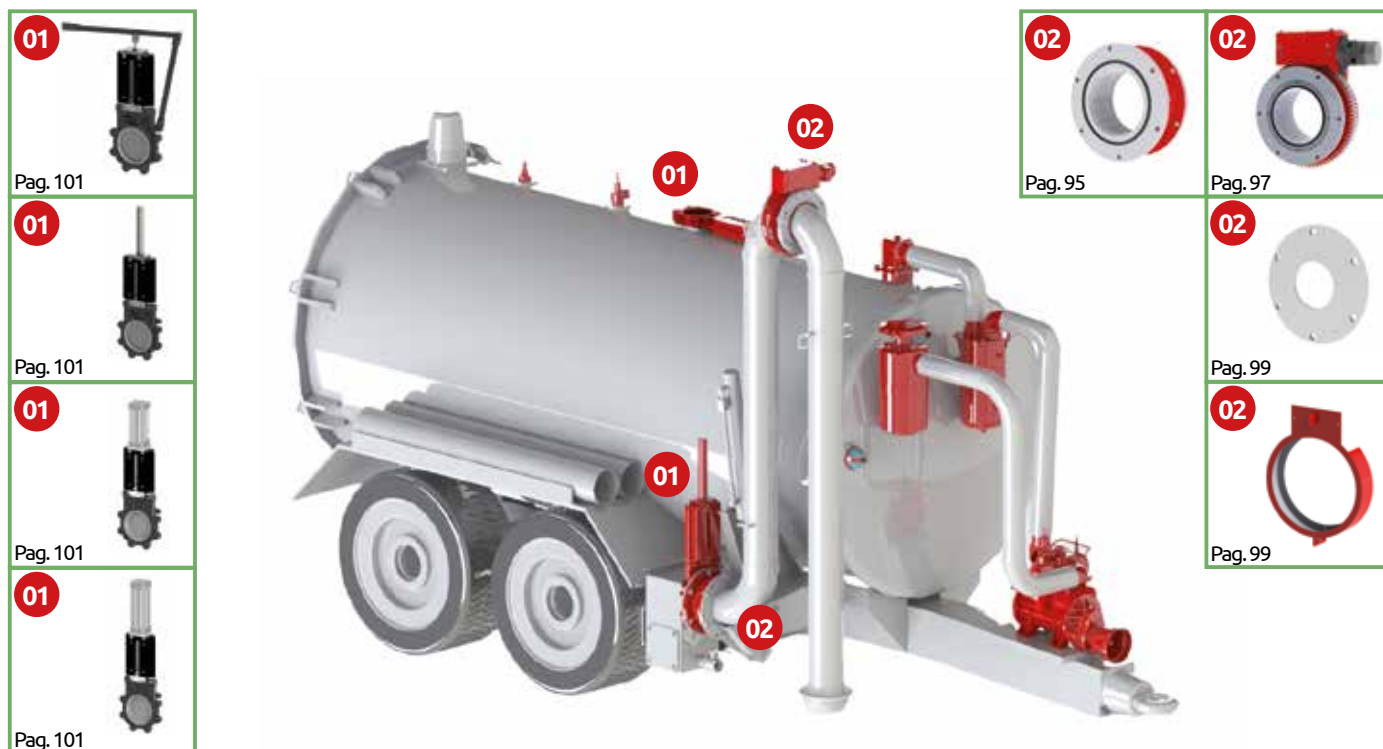
AVAILABLE VERSIONS

VERSIONI DISPONIBILI
LIEFERBARE VERSIONEN

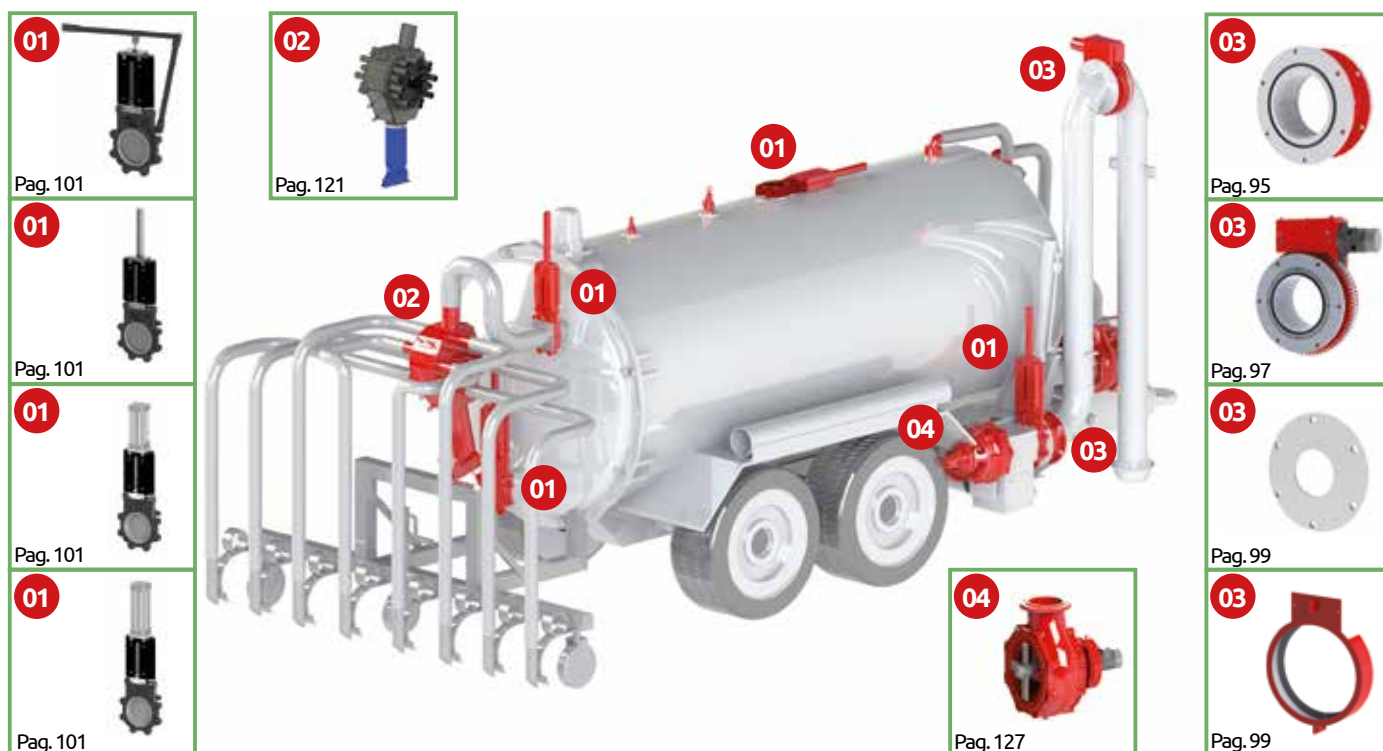
	VERSION											CONNECTIONS										
	M	MA	P	D	H	HM	K	KA	G	GA	EL	G1"	G1" 1/4	27	45	60	76	80	100	120	150	
MEC 1000	●	-	●	-	●	-	-	-	-	-	-	○	○	●	○	-	-	-	-	-	-	
MEC 1600	●	-	●	-	-	-	-	-	-	-	-	○	○	○	●	-	-	-	-	-	-	
MEC 2000	●	-	●	●	●	●	-	-	●	-	-	-	-	-	●	○	○	-	-	-	-	
MEC 3000	●	-	●	●	●	●	-	-	●	-	-	-	-	-	○	●	○	-	-	-	-	
MEC 4000	●	-	●	●	●	●	-	-	●	-	-	-	-	-	○	●	○	-	-	-	-	
MEC 5000	●	-	●	●	●	●	-	-	●	-	-	-	-	-	-	●	○	○	-	-	-	
MEC 6500	●	-	●	●	●	●	-	-	●	-	-	-	-	-	-	●	○	○	-	-	-	
MEC 8000	●	-	●	●	●	●	-	-	●	-	-	-	-	-	-	○	○	●	-	-	-	
MEC II 9000	●	●	●	●	●	-	-	-	●	●	-	-	-	-	-	-	○	●	○	-	-	
MEC II 11000	●	●	●	●	●	-	-	-	●	●	-	-	-	-	-	-	○	○	●	-	-	
MEC II 13500	●	●	●	●	●	-	-	-	●	●	-	-	-	-	-	-	○	○	●	-	-	
BALLAST 3500	●	-	●	●	●	●	-	-	●	●	-	-	-	-	○	●	○	○	-	-	-	
BALLAST 4500	●	-	●	●	●	●	-	-	●	●	-	-	-	-	○	●	○	○	-	-	-	
BALLAST 6000	●	-	●	●	●	●	-	-	●	●	-	-	-	-	-	●	○	○	-	-	-	
BALLAST 7500	●	-	●	●	●	●	-	-	●	●	-	-	-	-	-	●	○	○	-	-	-	
BALLAST 9000	●	●	●	●	●	-	-	-	●	●	-	-	-	-	-	-	○	●	○	-	-	
BALLAST 11000	●	●	●	●	●	-	-	-	●	●	-	-	-	-	-	-	○	○	●	-	-	
BALLAST 13500	●	●	●	●	●	-	-	-	●	●	-	-	-	-	-	-	○	○	●	-	-	
BALLAST 16000	●	●	●	●	●	-	●	●	●	●	-	-	-	-	-	-	○	○	●	-	-	
STAR 60	●	●	●	●	●	-	●	●	●	●	-	-	-	-	-	-	○	●	○	-	-	
STAR 72	●	●	●	●	●	-	●	●	●	●	-	-	-	-	-	-	○	○	○	-	-	
STAR 84	●	●	●	●	●	-	●	●	●	●	-	-	-	-	-	-	○	○	○	-	-	
FAN 420	-	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-	○	○	●	-	-	
FAN 530	-	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-	○	○	●	-	-	
WPT 480	●	●	●	●	●	-	-	-	●	●	-	-	-	-	-	-	○	●	○	-	-	
WPT 600	●	●	●	●	●	-	-	-	●	●	-	-	-	-	-	-	○	○	●	-	-	
WPT 720	●	●	●	●	●	-	-	-	●	●	-	-	-	-	-	-	○	○	●	-	-	
KPS 490	●	●	●	●	●	-	-	-	●	●	-	-	-	-	-	-	○	○	●	○	-	
KPS 550	●	●	●	●	●	-	●	●	●	●	-	-	-	-	-	-	○	○	○	●	-	
KPS 670	●	●	●	●	●	-	●	●	●	●	-	-	-	-	-	-	○	○	○	●	-	
KTS 840	●	●	●	●	●	-	-	-	●	●	-	-	-	-	-	-	○	○	●	-	-	
KTS 960	●	●	●	●	●	-	-	-	●	●	-	-	-	-	-	-	○	○	●	-	-	
KTS 1080	●	●	●	●	●	-	-	-	●	●	-	-	-	-	-	-	○	○	●	-	-	
KTM 1200	-	-	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	
KTM 1500	-	-	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	
KTM 1800	-	-	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	
KTM 2300	-	-	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	
WSM 2700	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	
WSM 3300	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	
BR 40	-	-	●	●	-	●	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	
BR 80	-	-	●	●	-	●	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	
BR 120	-	-	●	●	-	●	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	
BR 160	-	-	●	●	-	●	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	
BR 200	-	-	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BR 240	-	-	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BR 280	-	-	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BR EVO 50	-	-	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BR EVO 90	-	-	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BR EVO 170	-	-	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BR EVO 260	-	-	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AIDA II 16000	-	●	●	-	-	●	-	-	-	●	-	-	-	-	-	-	○	○	●	○	-	
AIDA II 19000	-	●	●	-	-	●	-	-	-	●	-	-	-	-	-	-	-	-	○	●	-	
AIDA II 21000	-	●	●	-	-	●	-	-	-	●	-	-	-	-	-	-	-	-	○	●	-	
AIDA II 26000	-	●	●	-	-	●	-	-	-	●	-	-	-	-	-	-	-	-	○	●	-	
AIDA 30000	-	●	●	-	-	●	-	-	-	●	-	-	-	-	-	-	-	-	-	●	○	

Suction unit	Integrated VACUUM VALVE G 1"1/2	Integrated OVERPRESSURE VALVE	VANES		UL	DU	SC	CRASH PROTECTION SYSTEM	INTEGRATED AIR FILTER	KIT FINAL AIR FILTER	LUBRICATION		
			STANDARD	LONG LIFE							LF	LA	
-	-	○	●	○	-	-	-	-	-	-	-	○	MEC 1000
-	-	○	●	○	-	-	-	-	-	-	-	○	MEC 1600
-	○	○	●	○	○	○	-	-	-	-	●	○	MEC 2000
-	○	○	●	○	○	○	-	-	-	-	●	○	MEC 3000
-	○	○	●	○	○	○	-	-	-	-	●	○	MEC 4000
-	○	○	●	○	○	○	-	-	-	○	●	○	MEC 5000
-	○	○	●	○	○	○	○	-	-	○	●	○	MEC 6500
-	○	○	●	○	○	○	○	-	-	○	●	○	MEC 8000
-	○	○	-	●	○	○	○	●	-	○	●	○	MEC II 9000
-	○	○	-	●	○	○	○	●	-	○	●	○	MEC II 11000
-	○	○	-	●	○	○	○	●	-	○	●	○	MEC II 13500
-	-	○	-	●	●	-	-	●	-	○	●	○	BALLAST 3500
-	-	○	-	●	●	-	-	●	-	○	●	○	BALLAST 4500
-	-	○	-	●	●	-	-	●	-	○	●	○	BALLAST 6000
-	-	○	-	●	●	-	-	●	-	○	●	○	BALLAST 7500
-	○	○	-	●	○	○	-	●	-	○	●	○	BALLAST 9000
-	○	○	-	●	○	○	-	●	-	○	●	○	BALLAST 11000
-	○	○	-	●	○	○	-	●	-	○	●	○	BALLAST 13500
-	○	○	-	●	●	-	-	●	●	-	-	●	BALLAST 16000
-	●	○	●	○	○	-	-	-	-	○	●	○	STAR 60
-	●	○	●	○	○	-	-	-	-	○	●	○	STAR 72
-	●	○	●	○	○	-	-	-	-	○	●	○	STAR 84
-	○	○	-	●	●	-	-	●	●	-	-	●	FAN 420
-	○	○	-	●	●	-	-	●	●	-	-	●	FAN 530
-	●	●	-	●	●	-	○	-	-	○	-	●	WPT 480
-	●	●	-	●	●	-	○	-	-	○	-	●	WPT 600
-	●	●	-	●	●	-	○	-	-	○	-	●	WPT 720
-	○	○	-	●	●	-	-	●	●	-	-	●	KPS 490
-	○	○	-	●	●	-	-	●	●	-	-	●	KPS 550
-	○	○	-	●	●	-	-	●	●	-	-	●	KPS 670
-	●	●	-	●	●	-	-	●	-	○	-	●	KTS 840
-	●	●	-	●	●	-	-	●	-	○	-	●	KTS 960
-	●	●	-	●	●	-	-	●	-	○	-	●	KTS 1080
○	-	○	-	●	-	-	-	●	-	○	-	●	KTM 1200
○	-	○	-	●	-	-	-	●	-	○	-	●	KTM 1500
○	-	○	-	●	-	-	-	●	-	○	-	●	KTM 1800
○	-	○	-	●	-	-	-	●	-	○	-	●	KTM 2300
○	-	○	-	●	-	-	-	●	-	○	-	●	WSM 2700
○	-	○	-	●	-	-	-	●	-	○	-	●	WSM 3300
-	-	-	-	-	-	-	-	-	-	-	-	○	BR 40
-	-	-	-	-	-	-	-	-	-	-	-	○	BR 80
-	-	-	-	-	-	-	-	-	-	-	-	○	BR 120
-	-	-	-	-	-	-	-	-	-	-	-	○	BR 160
-	-	-	-	-	-	-	-	-	-	-	-	○	BR 200
-	-	-	-	-	-	-	-	-	-	-	-	○	BR 240
-	-	-	-	-	-	-	-	-	-	-	-	○	BR 280
-	-	-	-	-	-	-	-	-	-	-	-	-	BR EVO 50
-	-	-	-	-	-	-	-	-	-	-	-	-	BR EVO 90
-	-	-	-	-	-	-	-	-	-	-	-	-	BR EVO 170
-	-	-	-	-	-	-	-	-	-	-	-	-	BR EVO 260
-	○	○	-	-	●	-	-	-	●	-	-	-	AIDA II 16000
-	○	○	-	-	●	-	-	-	●	-	-	-	AIDA II 19000
-	○	○	-	-	●	-	-	-	●	-	-	-	AIDA II 21000
-	○	○	-	-	●	-	-	-	●	-	-	-	AIDA II 26000
-	○	○	-	-	●	-	-	-	●	-	-	-	AIDA 30000

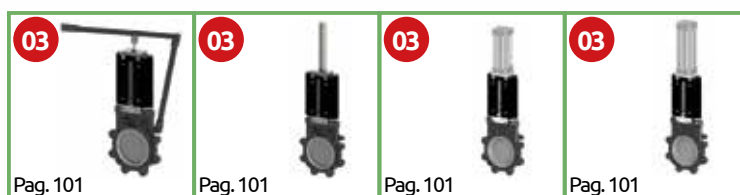
TANK WITH SIDE PIPE



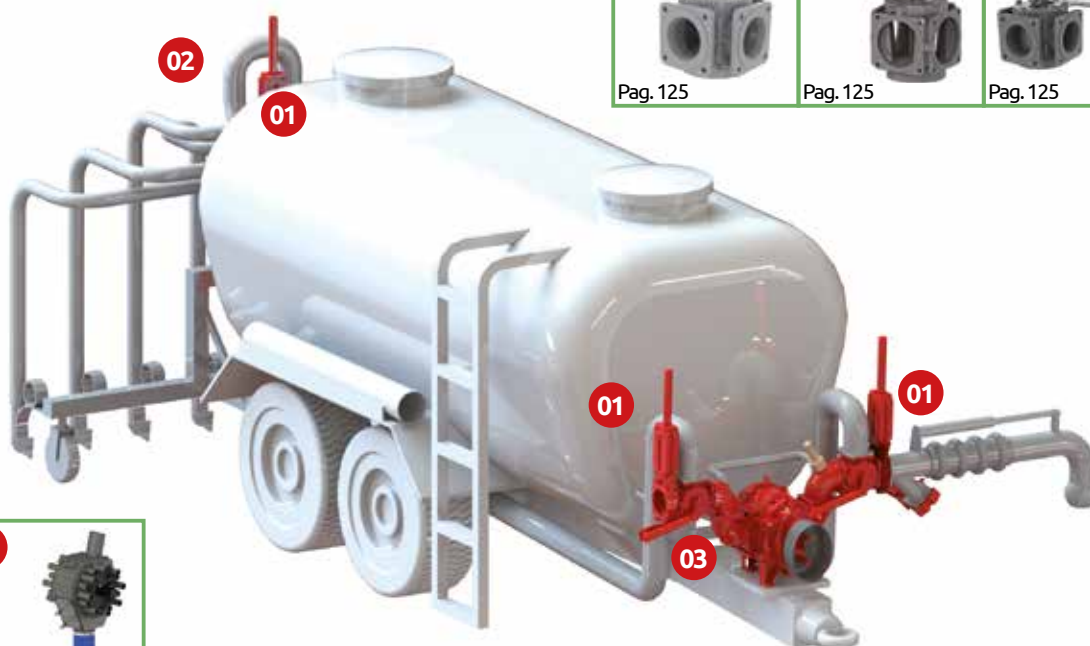
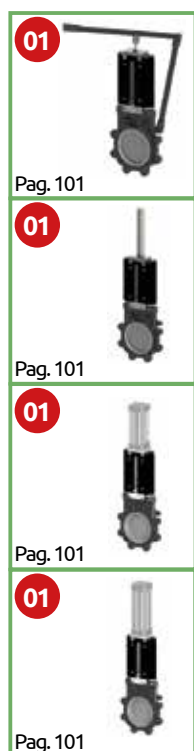
TANK WITH DISPENSER AND FILLER



TANK WITH SWIVEL GUN AND GARDA PUMP



TANK WITH LOBE PUMP AND FIBERGLASS TANK



SPRINKLERS EXHAUSTER



ENGINE DRIVEN SYSTEMS





	Article	PAG.
	SWIVEL JOINT GIUNTO GIREVOLE REHBARE KUPPLUNG	95
	REVOBLOCK	97
	LOCKER - LOCKER BiDi - KNIFE GATE VALVE SARACINESCA LOCKER - LOCKER BiDi KOLBENSCHIEBER LOCKER - LOCKER BiDi HEBELKOLBENSCHIEBER	101
	OVERFLOW VALVE Mod. BPC - BPD - BPE	107
	CHECK MOISTURE TRAP Mod. BPA - BPB - BPF	108
	OVERFLOW VALVE Mod. BPT - BPU	109
	CHECK MOISTURE TRAP Mod. BPR - BPS	110
	OVERFLOW VALVE Mod. BPT - BPU INOX	111
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	CYCLON SHUT-OFF VALVE Ø 120/Ø 150 - 3300	116

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	SIGHT SPIA LIVELLO SCHAUGLAS	128
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FEATURES

- WORKING CONDITIONS: PRESSURE = 6 bar (90 psi)
TEMPERATURE = -15°C / +80°C

- HIGH RESISTANCE SPHEROIDAL CAST-IRON
- SUPPLIED WITH 2 O-RINGS FOR COUPLING
- SEALING SECURED BY 3 O-RINGS
- EASY GREASING
- ROTATION OF 360°

CARATTERISTICHE

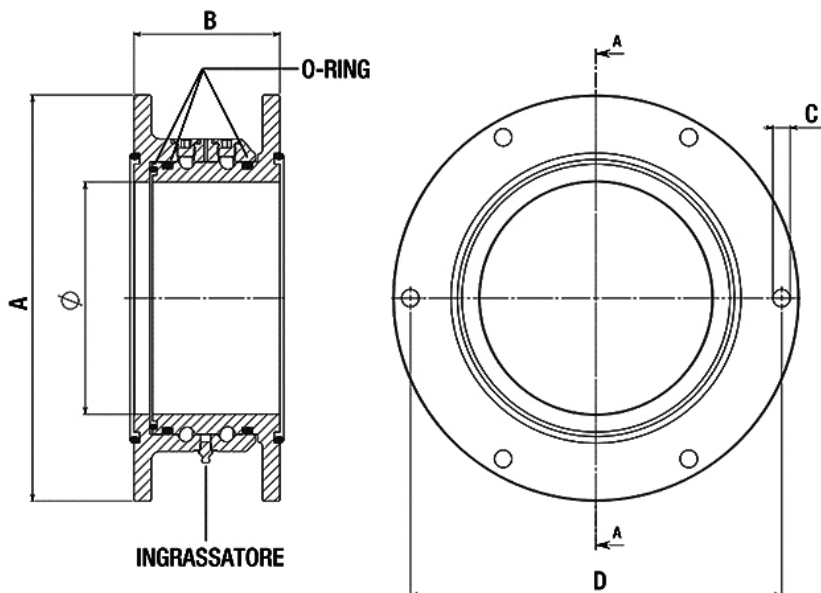
- CONDIZIONI DI ESERCIZIO: PRESSIONE = 6 bar (90 psi)
TEMPERATURA = -15°C / +80°C

- GHISA SFEROIDALE AD ALTA RESISTENZA
- FORNITURA CON 2 OR PER ACCOPPIAMENTO
- TENUTA GARANTITA DA 3 OR
- INGRASSAGGIO AGEVOLE
- ROTAZIONE DI 360°

EIGENSCHAFTEN

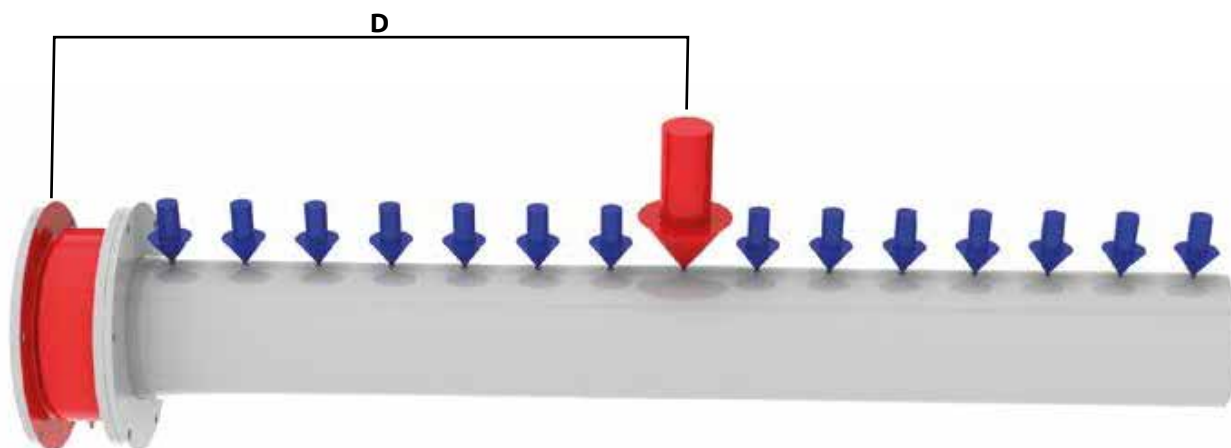
- BETRIEBSBEDINGUNGEN: DRUCK = 6 bar (90 psi)
TEMPERATUR = -15°C / +80°C

- HOCH WIDERSTANDSFÄHIGES SPHÄROLITISCHES GUSSEISEN
- GELIEFERT MIT 2 O-RING FÜR ANSCHLUSS
- ABDICHTUNG MIT HILFE VON 3 O-RINGEN GARANTIERT
- BEQUEMES SCHMIEREN
- DREHUNG UM 360°

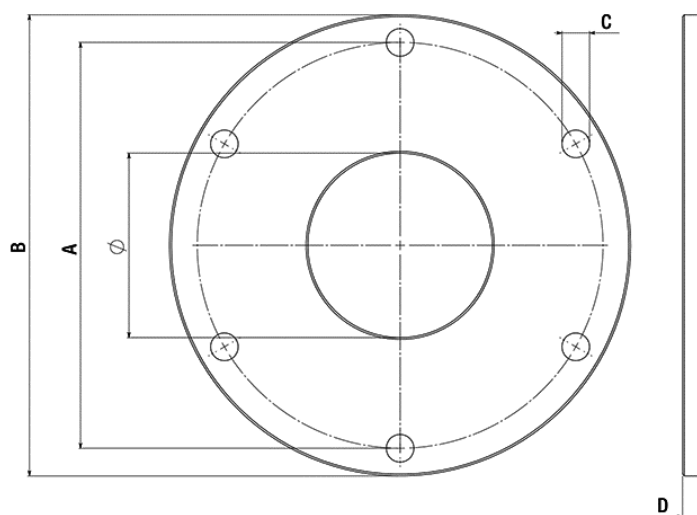


TECHNICAL DATA

CODE	Ø	A	B	C	D	N. Holes	Kg	Article
5100100001	100	250	127	15	220	6	16,4	2001/D
5100100002	150	290	127	15	260	6	21,5	2001/G
5100100003	200	350	127	15	320	6	28,2	2001/H
5100100004	250	410	127	15	370	8	37,0	2001/I



Ø 100		Ø 150		Ø 200		Ø 250	
Distance (m)	Max load (Kg)	Distance (m)	Max load (Kg)	Distance (m)	Max load (Kg)	Distance (m)	Max load (Kg)
1,0	140	1,0	200	1,0	270	1,0	320
2,0	75	2,0	100	2,0	140	2,0	165
3,0	50	3,0	70	3,0	93	3,0	111
4,0	38	4,0	53	4,0	70	4,0	84
5,0	31	5,0	42	5,0	56	5,0	67



CODE	Ø	A	B	C	D	N. Holes	Kg	Article
5010401001	100	220	250	15	10	6	2,6	2002/E
5010401002	150	260	290	15	10	6	3,6	2002/G
5010401003	200	320	350	15	10	6	4,8	2002/H
5010401004	250	370	410	15	10	8	7,0	2002/I



REVOBLOCK 07



REVOBLOCK 10

NEW



REVOBLOCK 14

FEATURES

- **WORKING CONDITIONS: PRESSURE = 6 bar (90 psi)**
TEMPERATURE = -15°C / +80°C
- **HIGH RESISTANCE SPHEROIDAL CAST-IRON**
- **SUPPLIED WITH 2 O-RINGS FOR COUPLING**
- **SEALING SECURED BY 1 O-RING - 1 SEAL**
- **EASY GREASING**
- **ROTATION OF 360°**
- **THREAD WITH HIGH WEAR RESISTANCE MODULE**
- **BRAKE SYSTEM IN CASE OF LACK OF PRESSURE**
- **ASSEMBLY AS STRUCTURAL ELEMENT, BOTH WITH HORIZONTAL AND VERTICAL AXIS**
- **SUBJECT TO RISKS ANALYSIS ON LINE EN ISO 14121-1:2007**
- **TOOTHING COVERING ON REQUEST**

HYDRAULIC MOTOR REVOBLOCK 07/10

RANGE OIL TEMPERATURE -30° C +60° C

MAX WORKING PRESSURE HYDRAULIC MOTOR 165 bar (2475 psi)

MAX OIL CAPACITY 60 l/min.

HYDRAULIC MOTOR REVOBLOCK 14

RANGE OIL TEMPERATURE -40° C +140° C

MAX WORKING PRESSURE HYDRAULIC MOTOR 200 bar (3050 psi)

MAX OIL CAPACITY 75 l/min.

CARATTERISTICHE

- **CONDIZIONI DI ESERCIZIO : PRESSIONE = 6 bar (90 psi)**
TEMPERATURA = -15° C/ +80° C
- **GHISA SFEROIDALE AD ALTA RESISTENZA**
- **FORNITURA CON 2 OR PER ACCOPPIAMENTO**
- **TENUTA GARANTITA DA 1 O-RING E 1 TENUTA**
- **INGRASSAGGIO AGEVOLE**
- **ROTAZIONE DI 360°**
- **FILETTATURA CON MODULO AD ALTA RESISTENZA AD USURA**
- **IMPIANTO AUTO FRENANTE IN CASO DI MANCANZA DI PRESSIONE**
- **MONTAGGIO COME ELEMENTO STRUTTURALE SIA CON ASSE ORIZZONTALE CHE CON ASSE VERTICALE**
- **SOTTOPOSTO AD ANALISI DEI RISCHI FATTA SULLA LINEA GUIDA EN ISO 14121-1:2007**
- **COPERTURE DENTATURA SU RICHIESTA**

MOTORI IDRAULICI REVOBLOCK 07/10

TEMPERATURA AMMISSIBILE DELL'OLIO -30° c +60° C

PRESSIONE MAX MOTORE IDRAULICO 165 bar CONTINUA (2475 psi)

PORTATA MAX OLIO 60 l/min. CONTINUA

MOTORI IDRAULICI REVOBLOCK 14

TEMPERATURA AMMISSIBILE DELL'OLIO -40 c +140 C

PRESSIONE MAX MOTORE IDRAULICO 200 bar CONTINUA (3050 psi)

PORTATA MAX OLIO 75 l/min. CONTINUA

EIGENSCHAFTEN

- **BETRIEBSBEDINGUNGEN : DRUCK = 6 bar (90 psi)**
TEMPERATUR = -15° C/ +80° C
- **HOCH WIDERSTANDSFÄHIGES SPHÄROLITISCHES GUSSEISEN**
- **GELIEFERT MIT 2 O-RING FÜR ANSCHLUSS**
- **ABDICHTUNG MIT HILFE VON 1 O-RINGEN - 1 SEAL GARANTIERT**
- **BEQUEMES SCHMIEREN**
- **DREHUNG UM 360°**
- **GEWINDE MIT VERSCHLEISSBESTÄNDIGES MODUL**
- **EIGENBREMSSYSTEM BEI DRUCKVERLUST**
- **MONTAGE ALS BAUELEMENT SOWOHL MIT HORIZONTALER ALS AUCH VERTIKALER ACHSE**
- **RISIKOANALYSE GEMÄSS EN ISO 14121:2007**
- **ABDECKUNG DER ZAHNRÄDER AUF ANFRAGE**

HYDRAULIKMOTOREN REVOBLOCK 07/10

ZULÄSSIGE ÖLTEMPERATUR -30° c +60° C

MAX DRUCK DES HYDRAULIKES MOTORS 165 bar DAUERND (2475 psi)

MAX DURCHFLUSSMENGE ÖL 60 l/min. DAUERND

HYDRAULIKMOTOREN REVOBLOCK 14

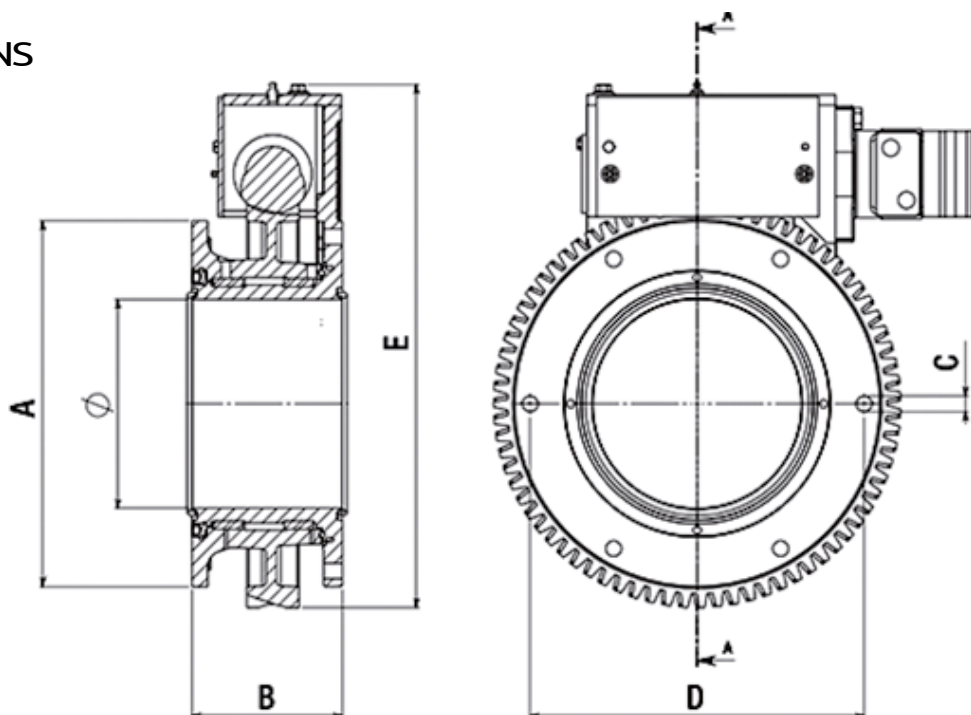
ZULÄSSIGE ÖLTEMPERATUR -40° c +140° C

MAX DRUCK DES HYDRAULIKES MOTORS 200 bar DAUERND (3050 psi)

MAX DURCHFLUSSMENGE ÖL 75 l/min. DAUERND



DIMENSIONS

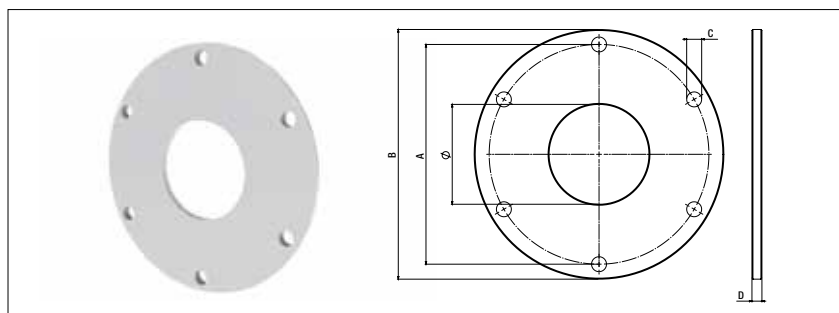


	CODE	Ø	A	B	C	D	E	N. Holes	N. TEETH	Kg	Article
REVOBLOCK 07-D200 w/motor	6080200313	200	350	144	15	320	500	6	75	58	2012/I
REVOBLOCK 07-D250 w/motor	6080200314	250	410	154	15	370	511	8	75	72	2012/K
REVOBLOCK 10-D200 w/motor	6080200289	200	350	144	15	320	500	6	80	65	2009/I
REVOBLOCK 14-D200 w/motor	6080200260	200	350	144	15	320	570	6	60	111	2015/I
REVOBLOCK 14-D250 w/motor	6080200393	250	410	154	15	370	570	8	60	108	2015/K

TECHNICAL DATA

		REVOBLOCK 07-D200	REVOBLOCK 10-D200	REVOBLOCK 07-D250	REVOBLOCK 14-D200	REVOBLOCK 14-D250
OPERATING TORSION TORQUE [Nm]	Mte	5500	8000	5500	13000	13000
MAXIMUM TORSION MOMENT [Nm]	Mtmax	7400	10000	7400	18000	18000
OPERATING FLEXING MOMENT [Nm]	Mfe	12000	12000	16000	16000	16000
MAXIMUM FLEXING MOMENT [Nm]	Mfmax	20000	20000	25000	25000	25000
MINIMUM STOP AFTER USE [s]	tstop	20	10	20	10	10
MAXIMUM DURATION OF OPERATION [min]	tgo	2	2	2	2	2
SCREW GREASE QUANTITY [cl]	qworm	15	10	15	10	10
GEAR GREASE QUANTITY [cl/90°]	qgear	20	15	20	15	15
LUBRICATION FREQUENCY [uses]	fgrease	30	50	30	50	50
DURABILITY FACTOR		1	3	1	5	5
REMOVABLE GEAR		NO	YES	NO	YES	YES
GEAR MATERIAL HYDRAULIC MOTOR		GJS600	BRAL	GJS600	BRAL	BRAL

OPTIONALS



Code	Ø	A	B	C	D	N. Holes	Kg	Article
5010401003	200	320	350	15	10	6	4.8	2002/H
5010401004	250	370	410	15	10	8	7	2002/I
6080200182	Tooting cover for hydraulic Revoblock 07 - 10 / Ø 200 - Ø 250 Kit protezione per Revoblock 07 - 10 / Ø 200 - Ø 250							2008/M

REVOBLOCK 07 - 10 - Ø 200/250



RANGE OIL TEMPERATURE -30° C +60° C
MAX WORKING PRESSURE HYDRAULIC MOTOR 165 bar (2475 psi)
PRESSURE APPLICATION 140 bar (ART. 2601/D)
PRESSURE APPLICATION 80 bar (ART. 2601)
MAX OIL CAPACITY 60 l/min.

TEMPERATURA AMMISSIBILE DELL'OLIO -30° C +60° C
PRESSIONE MAX MOTORE IDRAULICO 165 bar CONTINUA (2475 psi)
PRESSIONE APPLICAZIONE 140 bar (ART. 2601/F)
PRESSIONE APPLICAZIONE 80 bar (ART. 2601)
PORTATA MAX OLIO 60 l/min. CONTINUA

REVOBLOCK 14 - Ø 200/250

RANGE OIL TEMPERATURE -40° C +140° C
MAX WORKING PRESSURE HYDRAULIC MOTOR 200 bar (3050 psi)
PRESSURE APPLICATION 140 bar
MAX OIL CAPACITY 75 l/min.

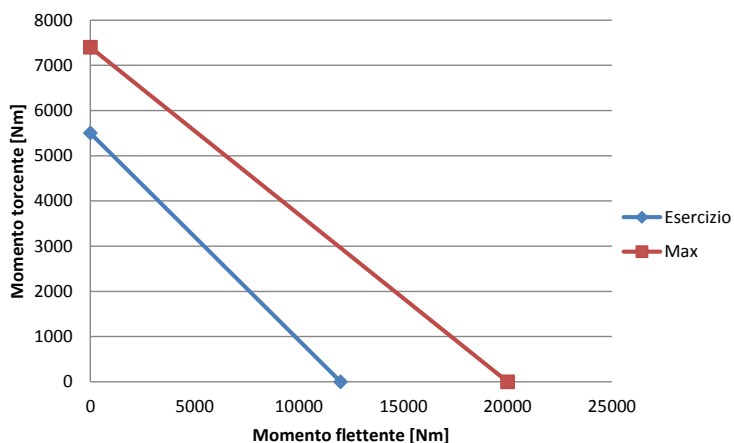
TEMPERATURA AMMISSIBILE DELL'OLIO -40° C +140° C
PRESSIONE MAX MOTORE IDRAULICO 200 bar CONTINUA (3050 psi)
PRESSIONE APPLICAZIONE 140 bar
PORTATA MAX OLIO 75 l/min. CONTINUA

Code	Model	Hydraulic Swivel Joint Rpm	Kg	Article
5020400011	REVOBLOCK 07 - 10 - Ø 200/250	2,7	5.9	2601
5020400041	REVOBLOCK 14 - Ø 200/250	4	10.4	2601/E

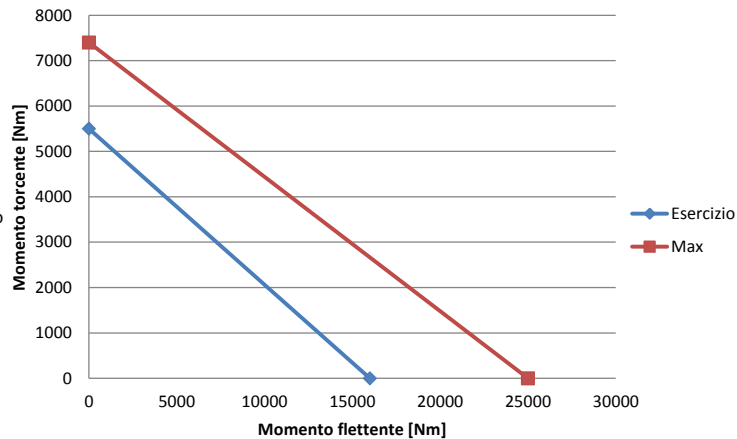


CHARTS

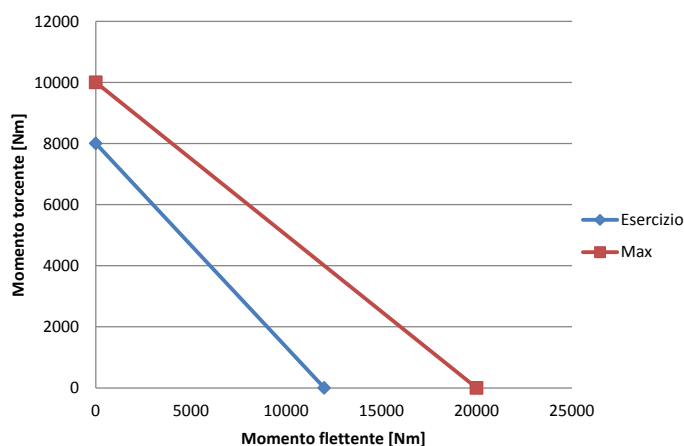
REVOBLOCK 07-D200



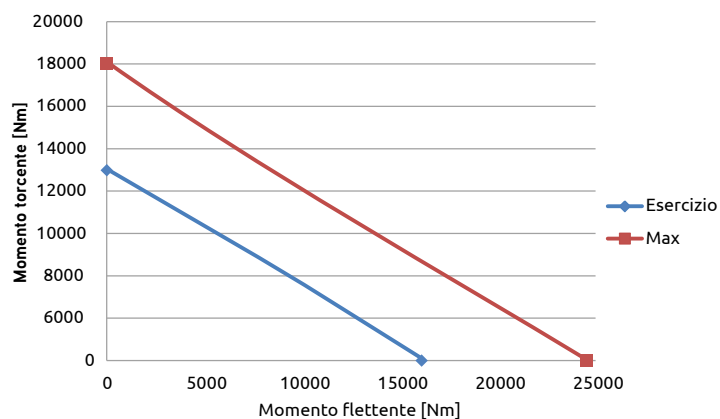
REVOBLOCK 07-D250



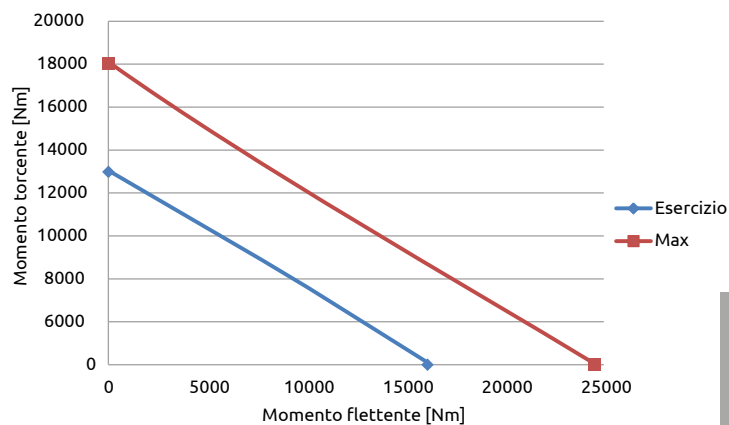
REVOBLOCK 10-D200



REVOBLOCK 14-D200



REVOBLOCK 14-D250



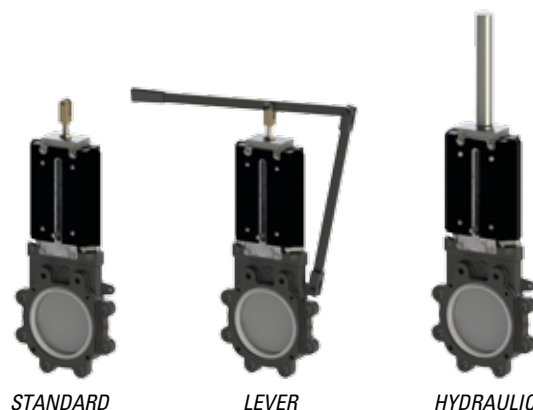
LOCKER

Unidirectional knife gate valve designed for:

- General industrial service application
- Liquid manure service application
- Biogas industry
- Waste water treatment plants
- Agricultural tankers or vacuum trucks

Locker gate valves conform to:

- UNI EN ISO 12100:2010
- DIR: 2006/42 CE
- DIR: 97/23 CE



LOCKER					
SIZE DN	Ø 100 (4")	Ø 150 (6")	Ø 200 (8")	Ø 250 (10")	Ø 300 (12")
MAX PRESSURE	10 bar	10 bar	10 bar	8 bar	7 bar
MAX FLUID TEMPERATURE	-20°C / +90°C	-20°C / +90°C	-20°C / +90°C	-20°C / +90°C	-20°C / +90°C



- **KNIFE GATE VALVE OPEN/CLOSED INDICATOR**
- INDICATORE APERTURA/CHIUSURA SARACINESCA
- ANZEIGE FÜR SCHIEBERVENTIL GEÖFFNET/GESCHLOSSEN

- **TOP SEALING SYSTEM WITH GRAPHITE ROPES AND RUBBER SEALING**
- SISTEMA DI TENUTA SUPERIORE IN CORDA GRAFITATA E ANELLO IN GOMMA
- OBERES DICHUNGSSYSTEM AUS SEIL MIT GRAPHITZUSATZ UND GUMMIRING

- **GATE HOUSING IN ONE-PIECE CASTING**
- CORPO IN GHISA IN FUSIONE UNICA
- KORPUS AUS GUSSEISEN (EINEM GUSS)

- **ANTICORODAL CORD HOLDER WHICH AVOIDS OXIDATION EVEN WITH SLURRY**
- PREMICORDA IN ANTICORODAL ANTI OSSIDAZIONE ANCHE A CONTATTO CON LIQUAMI
- SEILHALTESTUCK AUS ANTICORODAL OXIDATIONSBESTÄNDIG AUCH BEIM KONTAKT MIT GOLLE



- **ANTI-CUTTING SEAL RING**
- ANELLO DI TENUTA IN GOMMA ANTITAGLIO
- DICHUNGSRING AUS SCHNITTFESTEM GUMMI

- **STAINLESS STEEL AISI 304 GATE**
- CUNEO SARACINESCA IN ACCIAIO INOX AISI 304
- CUNEO SCHIEBERVENTIL AUS ROSTFREIEM STAHL INOX AISI 304



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Pagani**

Setting the pace since 1953

LOCKER **BiDi**



LOCKER BiDi

Bi-directional knife gate valve designed for:

- General industrial service application
- Liquid manure service application
- Biogas industry
- Waste water treatment plants
- Agricultural tankers or vacuum trucks

Locker gate valves conform to:

- UNI EN ISO 12100:2010
- DIR: 2006/42 CE
- DIR: 97/23 CE

NEW

LOCKER BiDi					
SIZE DN	Ø 100 (4")	Ø 150 (6")	Ø 200 (8")	Ø 250 (10")	Ø 300 (12")
MAX PRESSURE	10 bar	10 bar	10 bar	8 bar	7 bar
MAX FLUID TEMPERATURE	-20°C/+90°C	-20°C/+90°C	-20°C/+90°C	-20°C/+90°C	-20°C/+90°C



- ANTICORODAL CORD HOLDER WHICH AVOIDS OXIDATION EVEN WITH SLURRY

- PREMICORDA IN ANTICORODAL ANTI OSSIDAZIONE ANCHE A CONTATTO CON LIQUAMI
- SEILHALTESTUCK AUS ANTICORODAL OXIDATIONSBESTÄNDIG AUCH BEIM KONTAKT MIT GOLLE



- KNIFE GATE VALVE OPEN/CLOSED INDICATOR

- INDICATORE APERTURA/CHIUSURA SARACINESCA
- ANZEIGE FÜR SCHIEBERVENTIL GEÖFFNET/GESCHLOSSEN

- TOP SEALING SYSTEM WITH GRAPHITE ROPES AND RUBBER SEALING

- SISTEMA DI TENUTA SUPERIORE IN CORDA GRAFITATA E ANELLO IN GOMMA
- OBERES DICHUNGSSYSTEM AUS SEIL MIT GRAPHITZUSATZ UND GUMMIRING

- ANTI-CUTTING SEAL RING

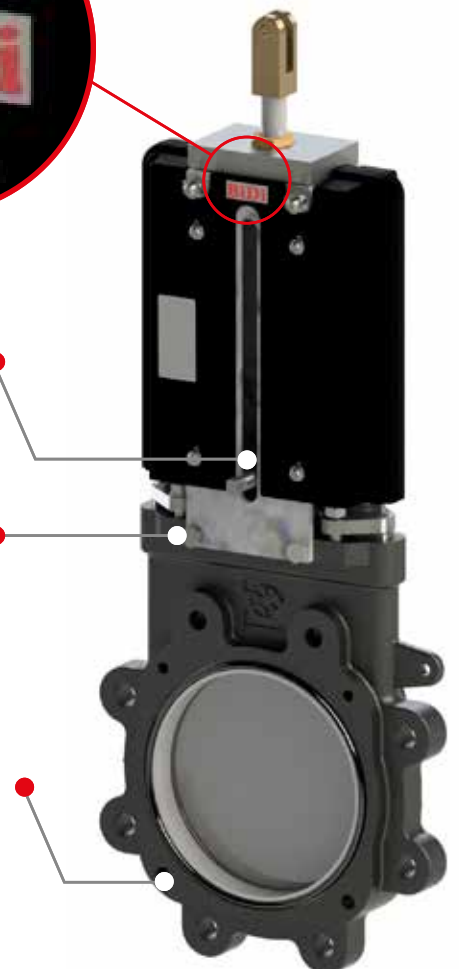
- ANELLO DI TENUTA IN GOMMA ANTITAGLIO
- DICHTUNGSRING AUS SCHNITTFESTEM GUMMI

- STAINLESS STEEL AISI 304 GATE

- CUNEO SARACINESCA IN ACCIAIO INOX AISI 304
- CUNEO SCHIEBERVENTIL AUS ROSTFREIEM STAHL INOX AISI 304

- GATE HOUSING IN ONE-PIECE CASTING

- CORPO IN GHISA IN FUSIONE UNICA
- KORPUS AUS GUSSEISEN (EINEM GUSS)



Accessories

LOCKER - LOCKER BiDi KNIFE GATE VALVE

SARACINESCA LOCKER - LOCKER BiDi

KOLBENSCHIEBER LOCKER - LOCKER BiDi HEBELKOLBENSCHIEBER



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LOCKER FLUSHING KIT



NEW

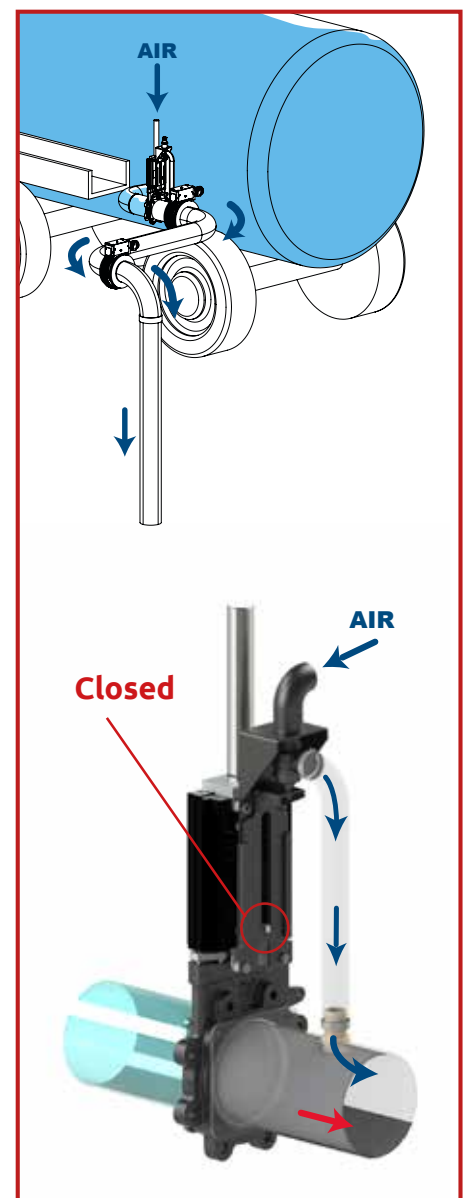
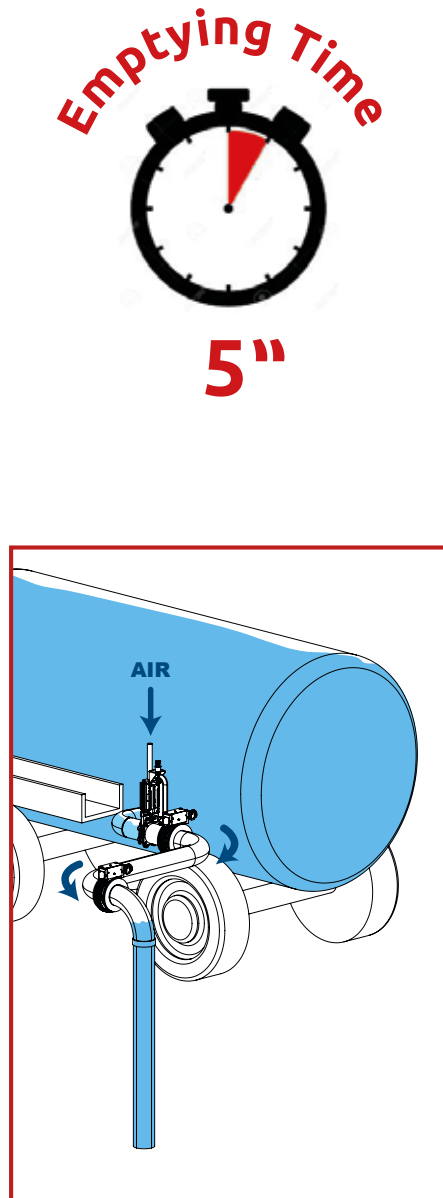
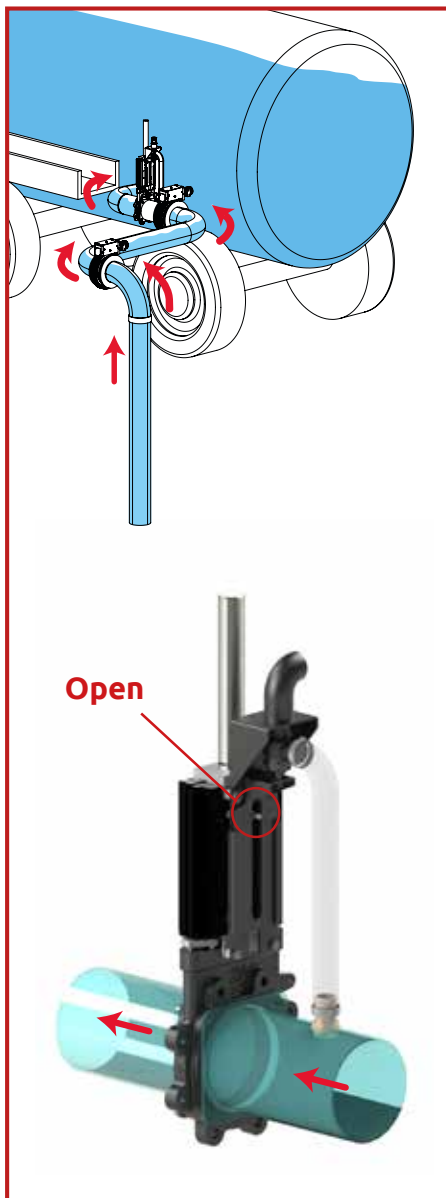
The Locker Flushing Kit gives the operator the possibility to empty the arm at the end of the tank filling, with a simple automatic mechanical drive.

This allows to raise the tube completely empty, without any operator intervention.

Locker Flushing kit serve per dare la possibilità all'operatore di svuotare il braccio a fine riempimento cisterna con un semplice azionamento meccanico automatico. Ciò permette di alzare il tubo completamente vuoto senza nessun intervento da parte dell'operatore.

Locker Flushing kit gibt die Möglichkeit zu dem Verwender den Arm am Ende der Füllung von Tank mit einer einfacher automatischer mekanischer Betreibung zu leeren.

Das erlaubt den Schlauch ganz leer zu heben ohne Intervention des Verwender.



LIMIT SWITCH KIT



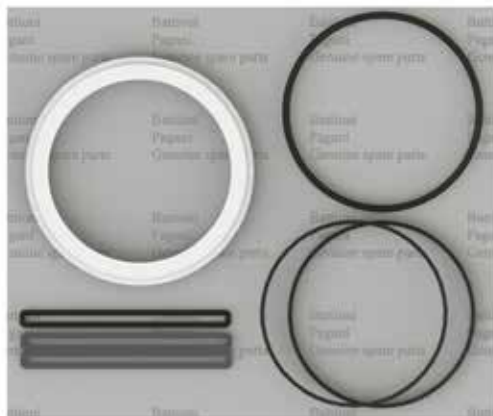
Limit switches with lever:
Contacts configuration: 1NO + 1NC
voltage: 24V DC
Nominal Power: 2A
Operating temperature: -25° C / +80° C
Degree of protection: IP67 EN 60529
Cable entries: M12

Interruttore a leva:
Configurazione contatti: 1NO + 1NC
Tensione: 24V DC
Potenza nominale: 2A
Temperatura di esercizio: -25° C / +80° C
Grado di protezione: IP67 EN 60529
Ingresso cavi: M12

SQUARED COUPLING FLANGE



LOCKER SEALING KIT



CODE	DN	MODEL	Ø (mm)	Kg	ARTICLE
6080200358	4"	LIMIT SWITCH KIT Ø 100	-	0,15	340
6080200383	6"	LIMIT SWITCH KIT Ø 150	-	0,15	340/A
6080200384	8"	LIMIT SWITCH KIT Ø 200	-	0,15	340/B
6080200385	10"	LIMIT SWITCH KIT Ø 250	-	0,15	340/C
6080200386	12"	LIMIT SWITCH KIT Ø 300	-	0,15	340/D
6080200357	6"	LOCKER Ø 150 FLUSHING KIT	150	3,5	341/B
6080200356	8"	LOCKER Ø 200 FLUSHING KIT	200	4,2	341/C
6080200355	10"	LOCKER Ø 250 FLUSHING KIT	250	5	341/D
5010406003	6"	SQUARED COUPLING FLANGE	150	0,8	316/G
5010406004	8"	SQUARED COUPLING FLANGE	200	1,3	316/H
6080200279	4"	LOCKER Ø 100 SEALING KIT	100	0,30	-
6080200280	6"	LOCKER Ø 150 SEALING KIT	150	0,45	-
6080200281	8"	LOCKER Ø 200 SEALING KIT	200	0,60	-
6080200282	10"	LOCKER Ø 250 SEALING KIT	250	0,90	-
6080200283	12"	LOCKER Ø 300 SEALING KIT	300	1	-
6080200350	4"	LOCKER BiDi Ø 100 SEALING KIT	100	0,48	-
6080200351	6"	LOCKER BiDi Ø 150 SEALING KIT	150	0,70	-
6080200352	8"	LOCKER BiDi Ø 200 SEALING KIT	200	1,10	-
6080200353	10"	LOCKER BiDi Ø 250 SEALING KIT	250	1,60	-
6080200354	12"	LOCKER BiDi Ø 300 SEALING KIT	300	1,80	-

LOCKER - LOCKER BiDi KNIFE GATE VALVE

SARACINESCA LOCKER - LOCKER BiDi

KOLBENSCHIEBER LOCKER - LOCKER BiDi HEBELKOLBENSCHIEBER



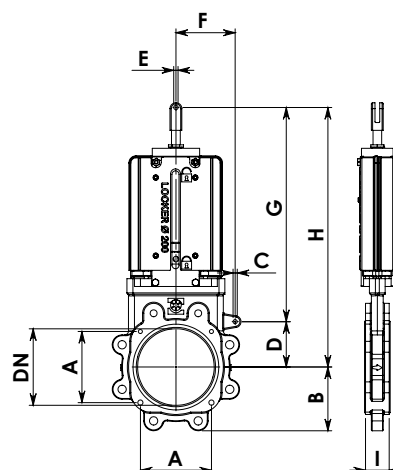
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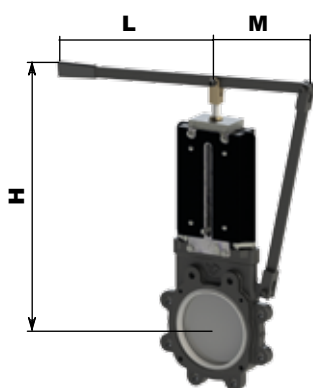
OVERALL DIMENSIONS



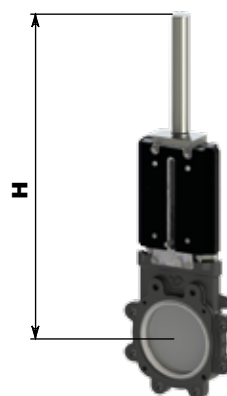
STANDARD



STANDARD	DIN PN 10 UNI EN 1092-1	ANSI 150	DN	A	B	C	D	E	F	G	H	I	Kg
LOCKER Ø 100	6080200239	6080200248	4"	150	105	Ø10.5	115	Ø10.5	100	375	490	60	16
LOCKER Ø 150	6080200125	6080200229	6"	150	130	Ø10.5	90	Ø10.5	120	450	580	60	19
LOCKER Ø 200	6080200131	6080200233	8"	180	160	Ø10.5	115	Ø10.5	150	505	665	60	27
LOCKER Ø 250	6080200240	6080200249	10"	-	195	-	150	Ø10.5	180	590	785	62	45
LOCKER Ø 300	6080200241	6080200250	12"	-	220	-	180	Ø10.5	220	700	880	62	54
LOCKER BiDi Ø 100	6080200334	6080200401	4"	150	105	Ø10.5	115	Ø10.5	100	375	490	60	16
LOCKER BiDi Ø 150	6080200335	6080200402	6"	150	130	Ø10.5	90	Ø10.5	120	450	580	60	19
LOCKER BiDi Ø 200	6080200336	6080200403	8"	180	160	Ø10.5	115	Ø10.5	150	505	665	60	27
LOCKER BiDi Ø 250	6080200337	6080200404	10"	-	195	-	150	Ø10.5	180	590	785	62	45
LOCKER BiDi Ø 300	6080200338	6080200405	12"	-	220	-	180	Ø10.5	220	700	880	62	54



LEVER



HYDRAULIC

NOMINAL VALUES HYDRAULIC CYLINDER:

- hydraulic cylinder operating pressure 90÷180 bar
- consented temperature of the oil from -30°C to +80°C

VALORI NOMINALI CILINDRO IDRAULICO:

- pressione di utilizzo cilindro idraulico 90÷180 bar
- temperatura ammissibile dell'olio da -30°C a +80°C

NENNWERTE HYDRAULIKZYLINDER:

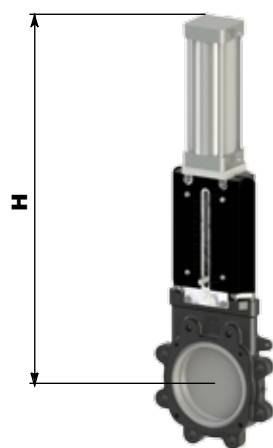
- Betriebsdruck Hydraulikzylinder 90-180 bar
- zulässige Öltemperatur -30°C bis +80°C

LEVER	DIN PN 10 UNI EN 1092-1	ANSI 150	H	L	M	Kg
LOCKER Ø 100	6080200264	6080200268	535	465	270	18
LOCKER Ø 150	6080200134	6080200230	575	465	270	21
LOCKER Ø 200	6080200135	6080200234	860	465	270	29

HYDRAULIC	DIN PN 10 UNI EN 1092-1	ANSI 150	H	Kg
LOCKER Ø 100	6080200242	6080200251	610	17
LOCKER Ø 150	6080200136	6080200231	800	20
LOCKER Ø 200	6080200137	6080200235	885	28
LOCKER Ø 250	6080200243	6080200252	1100	46
LOCKER Ø 300	6080200244	6080200253	1200	55
LOCKER BiDi Ø 100	6080200339	6080200406	610	17
LOCKER BiDi Ø 150	6080200340	6080200407	800	20
LOCKER BiDi Ø 200	6080200341	6080200408	885	28
LOCKER BiDi Ø 250	6080200342	6080200409	1100	46
LOCKER BiDi Ø 300	6080200343	6080200410	1200	55

LOCKER - LOCKER BiDi KNIFE GATE VALVE

SARACINESCA LOCKER - LOCKER BiDi
KOLBENSCHIEBER LOCKER - LOCKER BiDi HEBELKOLBENSCHIEBER



PNEUMATIC

NOMINAL VALUES PNEUMATIC CYLINDER:

- OPERATING PRESSURE FROM 3.5 ÷ 10 BAR
- temperature from -20°C to +85°C

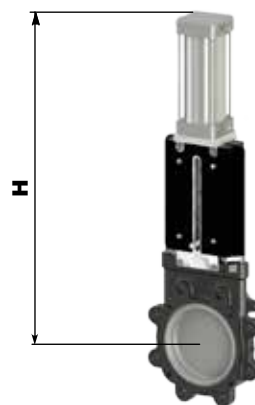
VALORI NOMINALI

CILINDRO PNEUMATICO:

- pressione di utilizzo da 3,5 ÷ 10 bar
- temperatura da -20°C a +85°C

NENNWERTE PNEUMATIKZYLINDER:

- Betriebsdruck 3,5-10 bar
- Temperatur -20°C bis +85°C



COMPACT - PNEUMATIC

NOMINAL VALUES COMPACT PNEUMATIC CYLINDER:

- OPERATING PRESSURE FROM 3.5 ÷ 10 BAR
- temperature from -20°C to +85°C

VALORI NOMINALI CILINDRO PNEUMATICO COMPATTO:

- pressione di utilizzo da 3,5 ÷ 10 bar
- temperatura da -20°C a +85°C

NENNWERTE KOMPAKTER PNEUMATIKZYLINDER:

- Betriebsdruck 3,5-10 bar
- Temperatur -20°C bis +85°C

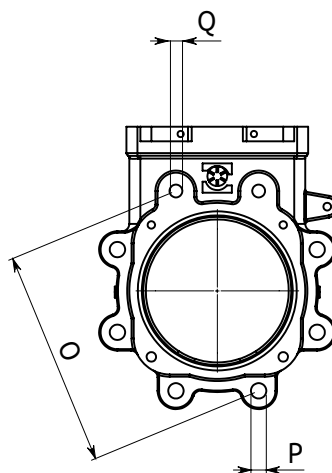
PNEUMATIC	DIN PN 10 UNI EN 1092-1	ANSI 150	H	Kg
LOCKER Ø 100	6080200245	6080200254	635	18
LOCKER Ø 150	6080200142	6080200232	800	21
LOCKER Ø 200	6080200143	6080200236	945	29
LOCKER Ø 250	6080200246	6080200255	1065	47
LOCKER Ø 300	6080200247	6080200256	1210	56
LOCKER BiDi Ø 100	6080200344	6080200411	635	18
LOCKER BiDi Ø 150	6080200345	6080200412	800	21
LOCKER BiDi Ø 200	6080200346	6080200413	945	29
LOCKER BiDi Ø 250	6080200347	6080200414	1065	47
LOCKER BiDi Ø 300	6080200348	6080200415	1210	56

COMPACT PNEUMATIC	DIN PN 10 UNI EN 1092-1	ANSI 150	H	Kg
LOCKER Ø 100	6080200269	6080200274	560	17
LOCKER Ø 150	6080200270	6080200275	725	20
LOCKER Ø 200	6080200271	6080200276	875	28
LOCKER Ø 250	6080200272	6080200277	995	46
LOCKER Ø 300	6080200273	6080200278	1140	55

FLANGING

Flanges DIN PN 10 UNI EN 1092-1 Flangiatura DIN PN 10 UNI EN 1092-1

DIN PN 10 UNI EN 1092-1	O (mm)	P (mm)	Q	N° HOLES
LOCKER - LOCKER BiDi Ø 100	180	18	M16	8
LOCKER - LOCKER BiDi Ø 150	240	22	M20	8
LOCKER - LOCKER BiDi Ø 200	295	22	M20	8
LOCKER - LOCKER BiDi Ø 250	350	22	M20	12
LOCKER - LOCKER BiDi Ø 300	400	22	M20	12



Flanges ANSI 150 Flangiatura ANSI 150

ANSI 150	O (inch)	P (inch)	Q	N° HOLES
LOCKER Ø 100	7,5	0,75	UNC 5/8"	8
LOCKER Ø 150	9,5	0,87	UNC 3/4"	8
LOCKER Ø 200	11,75	0,87	UNC 3/4"	8
LOCKER Ø 250	14,25	1	UNC 7/8"	12
LOCKER Ø 300	17	1	UNC 7/8"	12

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OVERFLOW VALVE MOD. BPC - BPD - BPE

VALVOLA DI TROPPO PIENO/SOUPAPE DE TROP-PLEIN/ÜBERLAUFVENTIL



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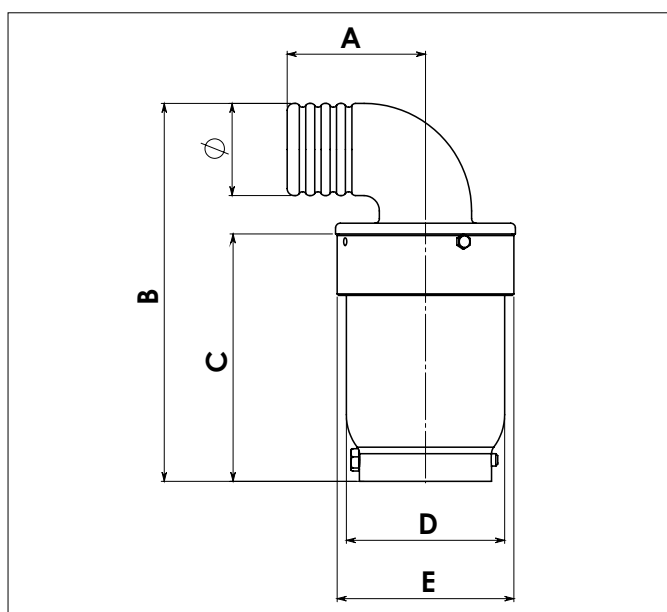


FEATURES

- WORKING CONDITIONS: PRESSURE = 1.5 bar (22 psi)
TEMPERATURE = -15°C / +80°C
- IRON RING TO BE WELDED BUILT
- AIRFLOW RANGE 1000-8000 l/min

CARATTERISTICHE

- CONDIZIONI DI ESERCIZIO: PRESSIONE = 1.5 bar (22 psi)
TEMPERATURA = -15°C / +80°C
- GHIERA IN FERRO DA SALDARE INCORPORATA
- PORTATA ARIA 1000-8000 l/min



Code	Model	Ø	l/min	A	B	C	D	E	Kg	Article
6100200006	BPC	45	1000-3000	90	240	161	105	117	4.5	202/B
6100200007	BPD	60	3000-5000	90	246	161	105	117	4.7	202/C
6100200008	BPE	80	5000-8000	125	315	197	162	170	9.6	202/D

CHECK MOISTURE TRAP MOD. BPA - BPB -BPF

VALVOLA DI SICUREZZA DI TROPPO PIENO/
SOUPAPE DE SECURITÉ DE TROP-PLEIN/ÜBERLAUFSICHERHEITSVENTIL

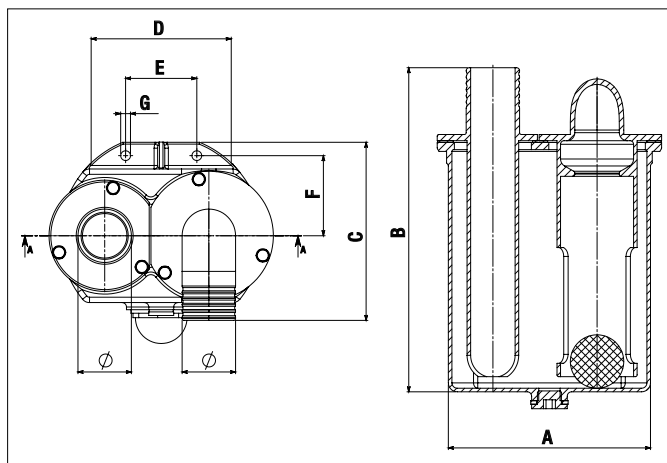


FEATURES

- WORKING CONDITIONS: PRESSURE = 1.5 bar (22 psi)
TEMPERATURE = -15°C / +80°C
- CONTROL SIGHT GLASS IN CASE OF FLUID INPUT
- DISCHARGE VALVE ON REQUEST
- VACUUM PRESSURE GAUGE ON REQUEST
- AIRFLOW RANGE 1000-8000 l/min

CARATTERISTICHE

- CONDIZIONI DI ESERCIZIO: PRESSIONE = 1.5 bar (22 psi)
TEMPERATURA = -15°C / +80°C
- SPIA DI CONTROLLO IN CASO DI INGRESSO LIQUIDO
- RUBINETTO DI SCARICO A RICHIESTA
- MANOVUOTOMETRO A RICHIESTA
- PORTATA ARIA 1000-8000 l/min



Code	Model	Ø	l/min	A	B	C	D	F	F	G	Kg	Article
6100200003	BPA	45	1000-3000	227	365	230	175	80	90	11	17.5	201/B
6100200004	BPB	60	3000-5000	227	365	230	175	80	90	11	18.5	201/C
6100200005	BPF	80	5000-8000	227	365	230	175	80	90	11	20.5	201/D
5040200006	EXHAUST VALVE Ø 3/4" GAS / RUBINETTO DI SCARICO Ø 3/4" GAS										0.3	318
5101700007	VACUUM PRESSURE GAUGE Ø 80 - 3/8" GAS / MANOVUOTOMETRO Ø 80 CON ATTACCO DA 3/8" GAS										0.3	901/DA

OVERFLOW VALVE MOD. BPT - BPU

VALVOLA DI TROPPO PIENO/SOUPAPE DE TROP-PLEIN /
ÜBERLAUFSICHERHEITSVENTIL



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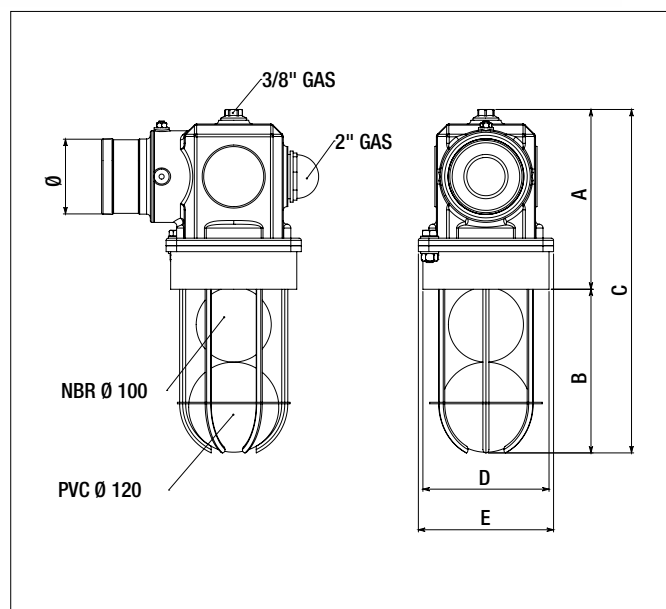


FEATURES

- WORKING CONDITIONS: PRESSURE = 1.5 bar (22 psi)
TEMPERATURE = -15°C / +80°C
- IRON RING TO BE WELDED BUILT
- VACUUM PRESSURE GAUGE ON REQUEST
- AIRFLOW RANGE: 5000-18000 l/min
- DOUBLE BALL FOAM TO REDUCE THE TRANSITION

CARATTERISTICHE

- CONDIZIONI DI ESERCIZIO: PRESSIONE = 1.5 bar (22 psi)
TEMPERATURA = -15°C / +80°C
- GHIERA IN FERRO DA SALDARE INCORPORATA
- MANOVUOTOMETRO A RICHIESTA
- PORTATA DA 5000-18000 l/min
- DOPPIA SFERA PER LIMITARE IL PASSAGGIO SCHIUMA



Code	Model	Ø	l/min	A	B	C	D	E	Kg	Article
6100200025	BPT	80	5000-11000	240	220	460	168	180	13.9	217/D
6100200026	BPU	100	11000-18000	240	220	460	168	180	14	217/E
5101700002	VACUUM PRESSURE GAUGE Ø 80 - 3/8" GAS / MANOVUOTOMETRO Ø 80 CON ATTACCO DA 3/8" GAS								0.3	901/D

CHECK MOISTURE TRAP MOD. BPR – BPS

VALVOLA DI SICUREZZA DI TROPPO PIENO/
SOUPAPE DE SECURITÉ DE TROP-PLEIN/ÜBERLAUFSICHERHEITSVENTIL

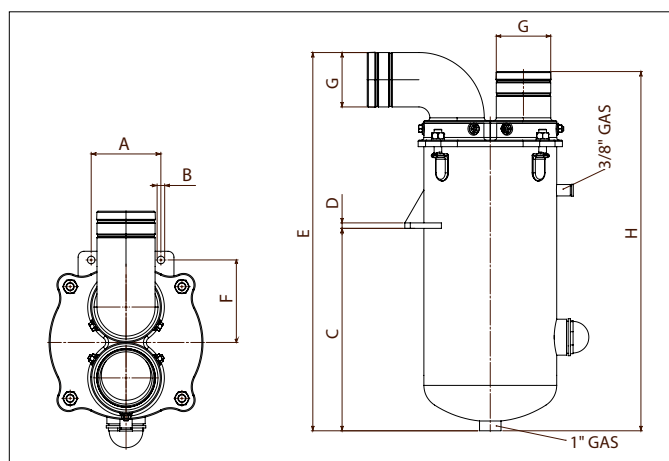


FEATURES

- WORKING CONDITIONS: PRESSURE = 1.5 bar (22 psi)
TEMPERATURE = -15°C / +80°C
- GALVANIZED STEEL BODY
- CONTROL SIGHT GLASS IN CASE OF FLUID INPUT
- DISCHARGE VALVE ON REQUEST
- VACUUM PRESSURE GAUGE ON REQUEST
- REVOLVING ELBOW
- TWO BALL FOR FOAM STOPPING

CARATTERISTICHE

- CONDIZIONI DI ESERCIZIO: PRESSIONE = 1.5 bar (22 psi)
TEMPERATURA = -15°C / +80°C
- CORPO IN ACCIAIO ZINCATO A CALDO
- SPIA DI CONTROLLO IN CASO DI INGRESSO LIQUIDO
- RUBINETTO DI SCARICO A RICHIESTA
- MANOVUOTOMETRO A RICHIESTA
- CURVA ORIENTABILE
- DOPPIA SFERA PER LIMITARE IL PASSAGGIO DI SCHIUMA



Code	Model	A	B	C	D	E	F	G	l/min	H	Kg	Article
6100200021	BPR	120	13	372	10	695	205	Ø 80	5000-11000	660	35.6	213/D
6100200022	BPS	120	13	372	10	685	205	Ø 100	11000-14000	660	36	213/E
5040200014	EXHAUST VALVE Ø 1" GAS / RUBINETTO DI SCARICO Ø 1" GAS										0.4	320
5101700007	VACUUM PRESSURE GAUGE Ø 80 - 3/8" GAS / MANOVUOTOMETRO Ø 80 CON ATTACCO DA 3/8" GAS										0.3	901/DA

OVERFLOW VALVE MOD. BPT - BPU INOX

VALVOLA DI TROPPO PIENO INOX/SOUPAPE DE TROP-PLEIN INOX
/ÜBERLAUFSICHERHEITSVENTIL INOX



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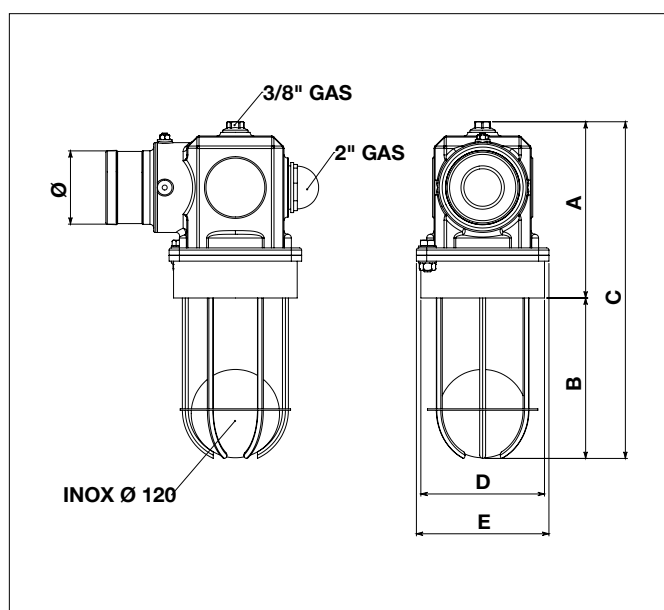


FEATURES

- WORKING CONDITIONS: PRESSURE = 1.5 bar (22 psi)
TEMPERATURE = -15°C / +80°C
- IRON RING TO BE WELDED BUILT
- VACUUM PRESSURE GAUGE ON REQUEST
- AISI 316 BALL IN STAINLESS STEEL
- AIRFLOW RANGE: 5000-18000 l/min
- VERSION WITH STEEL SEAL RUBBER

CARATTERISTICHE

- CONDIZIONI DI ESERCIZIO: PRESSIONE = 1.5 bar (22 psi)
TEMPERATURA = -15°C / +80°C
- GHIERA IN FERRO DA SALDARE INCORPORATA
- MANOVUOTOMETRO A RICHIESTA
- SFERA DI TENUTA IN ACCIAIO INOX AISI 316
- PORTATA DA 5000-18000 l/min
- VERSIONE INOX CON TENUTA IN GOMMA



Code	Model	Ø	l/min	A	B	C	D	E	Kg	Article
6100200027	BPT INOX	80	5000-11000	240	220	460	168	180	13.8	217/F
6100200028	BPU INOX	100	11000-18000	240	220	460	168	180	13.9	217/G
5101700002	VACUUM PRESSURE GAUGE Ø 80 - 3/8" GAS / MANOVUOTOMETRO Ø 80 CON ATTACCO DA 3/8" GAS								0.3	901/D



FEATURES

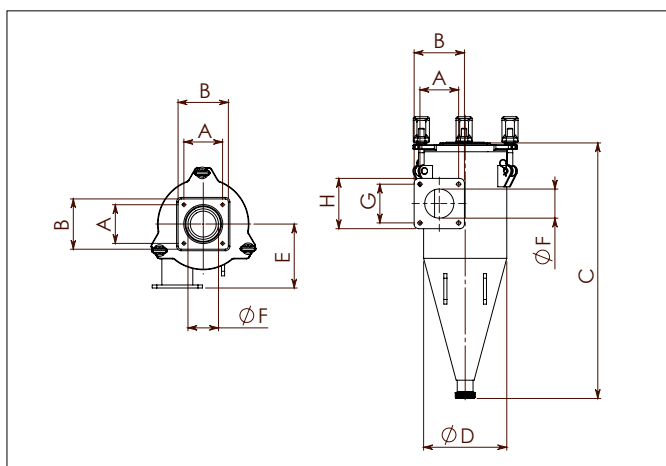
- WORKING CONDITIONS: PRESSURE = 1.5 bar (22 psi)
TEMPERATURE = -15°C / +80°C
- AISI 304 STAINLESS STEEL BODY OR GALVANIZED STEEL BODY
- AISI 316 Ø 120 STAINLESS STEEL BALL
- CONTROL SIGHT GLASS
- OVERPRESSURE VALVE ON REQUEST
- MAX AIRFLOW 18000 l/min

CARATTERISTICHE

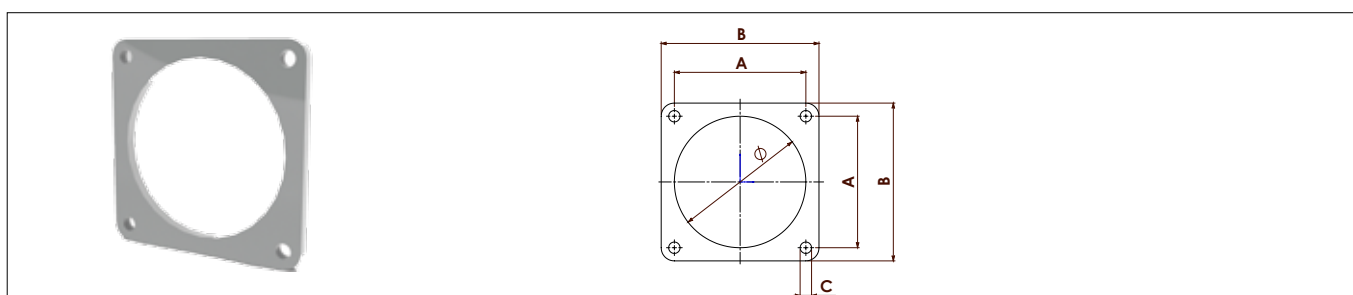
- CONDIZIONI DI ESERCIZIO: PRESSIONE = 1.5 bar (22 psi)
TEMPERATURA = -15°C / +80°C
- CORPO IN ACCIAIO INOX AISI 304 OPPURE IN ACCIAIO ZINCATO
- SFERA IN ACCIAIO INOX AISI 316 Ø 120
- SPIA DI CONTROLLO
- VALVOLA DI SOVRAPRESSIONE A RICHIESTA
- PORTATA MAX 18000 l/min



5040200016



Code	Model	Material	A	B	C	D	E	F	G	H	Kg	Article
6100200034	KTS	INOX AISI 304	135	165	840	273	210	100	150	180	35	2302/L
6100200033	KTS	GALVANIZED	135	165	840	273	210	100	150	180	35	2302/M
5040200016	EXHAUST VALVE Ø 1" 1/4 GAS / RUBINETTO DI SCARICO Ø 1" 1/4 GAS										0,5	322



Code	DN	Ø	A	B	C	N. Holes	Thickness	Kg	Article
4010407015	4"	100	135	165	13	4	10	2,5	2006/E

PRIMARY SHUT-OFF VALVE Ø 150 - 3300

VALVOLA PRIMARIA/SOUPAPE PRIMARIE/PRIMÄRSVENTIL



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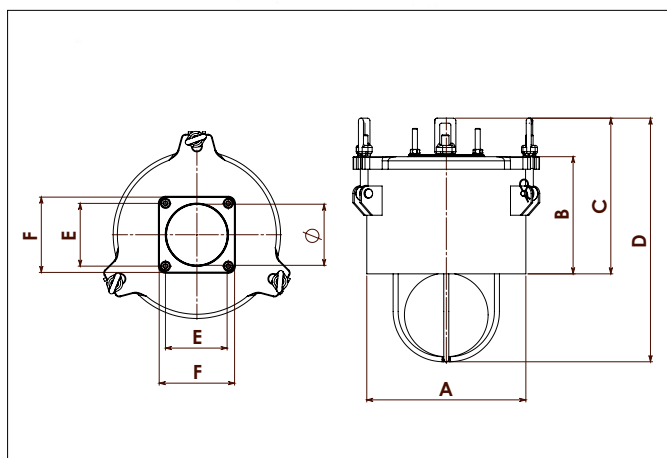


FEATURES

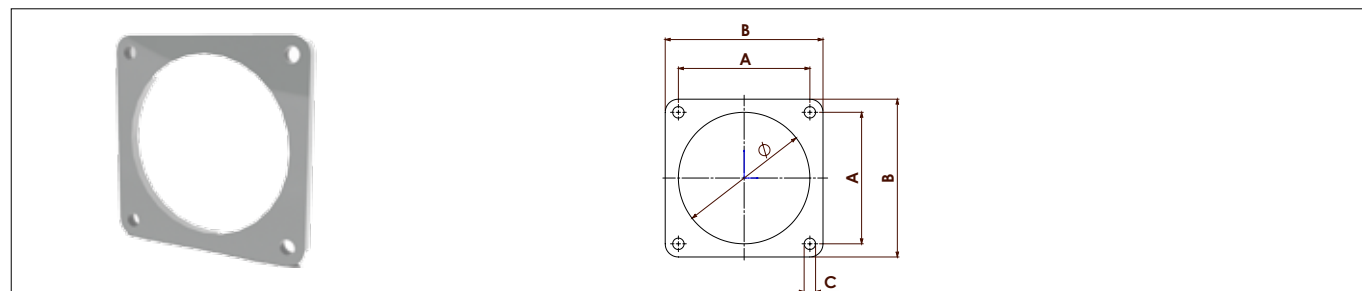
- WORKING CONDITIONS: PRESSURE = 1.5 bar (22 psi)
TEMPERATURE = -15°C / +80°C
- IRON RING TO BE WELDED BUILT
- STEEL BODY
- Ø 200 STAINLESS STEEL BALL
- MAX AIRFLOW 55000 l/min

CARATTERISTICHE

- CONDIZIONI DI ESERCIZIO: PRESSIONE = 1.5 bar (22 psi)
TEMPERATURA = -15°C / +80°C
- GHIERA DA SALDARE INCORPORATA
- CORPO IN ACCIAIO
- SFERA IN ACCIAIO INOX Ø 200
- PORTATA MAX 55000 l/min



Code	Model	Ø	A	B	C	D	E	F	Kg	Article
6100200023	KTS/KTM/WSM	150	380	280	340	550	150	180	26	2301/G



Code	DN	Ø	A	B	C	N. Holes	Thickness	Kg	Article
5010406003	6"	150	150	180	13	4	10	0,8	316/G

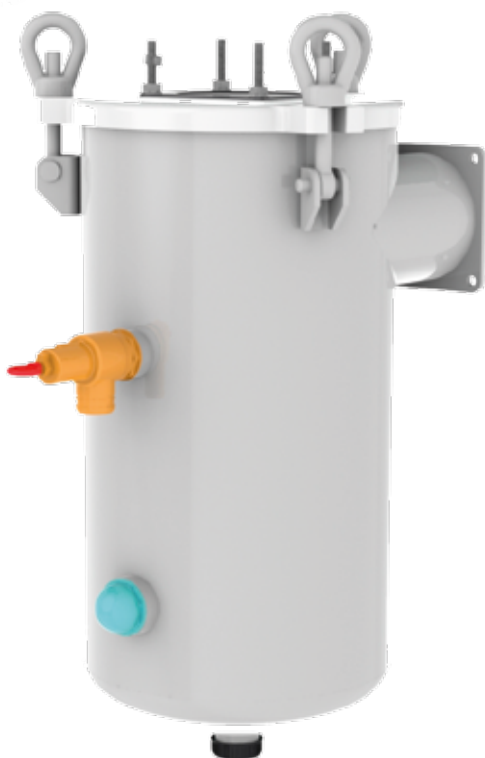


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SECONDARY SHUT-OFF VALVE Ø 150 - 3300

VALVOLA SECONDARIA/SOUPAPE SECONDAIRE/SECUNDÄRSVENTIL



FEATURES

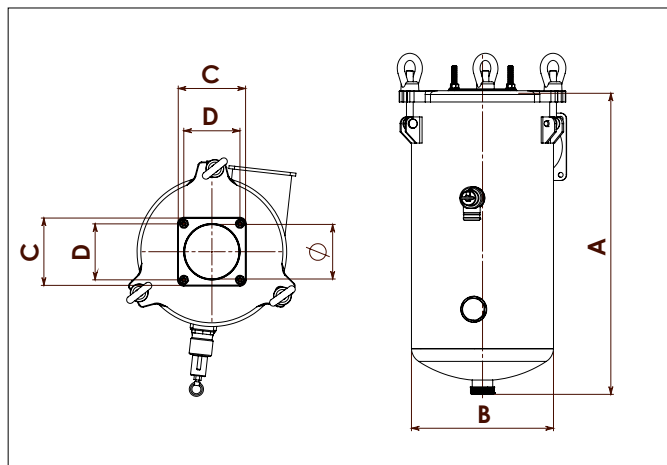
- WORKING CONDITIONS: PRESSURE = 1.5 bar (22 psi)
TEMPERATURE = -15°C / +80°C
- GALVANIZED STEEL BODY
- Ø 200 STAINLESS STEEL BALL
- OVERPRESSURE VALVE AS STANDARD
- CONTROL SIGHT GLASS
- MAX AIRFLOW 55000 l/min

CARATTERISTICHE

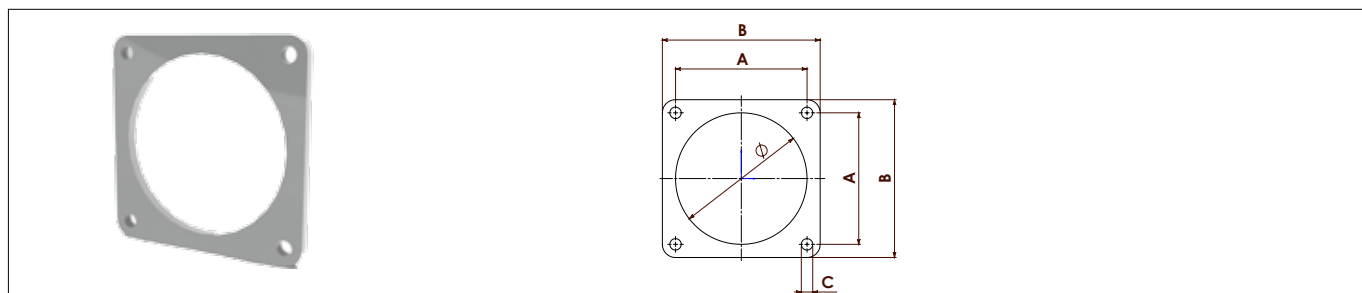
- CONDIZIONI DI ESERCIZIO: PRESSIONE = 1.5 bar (22 psi)
TEMPERATURA = -15°C / +80°C
- CORPO IN ACCIAIO ZINCATO
- SFERA IN ACCIAIO INOX Ø 200
- VALVOLA DI SOVRAPPRESSIONE DI SERIE
- SPIA DI CONTROLLO
- PORTATA MAX 55000 l/min



5040200015



Code	Model	Ø	A	B	C	D	Kg	Article
6100200024	KTS/KTM/WSM	150	840	380	180	150	55	2302/G
5040200015	EXHAUST VALVE Ø 1" 1/2 GAS / RUBINETTO DI SCARICO Ø 1" 1/2 GAS						0.5	321



Code	DN	Ø	A	B	C	N. Holes	Thickness	Kg	Article
5010406003	6"	150	150	180	13	4	10	0,8	316/G

Accessories

PRIMARY SHUT-OFF VALVE Ø 120 / Ø 150

VALVOLA PRIMARIA/SOUPAPE PRIMARIE/PRIMÄRSVENTIL



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NEW

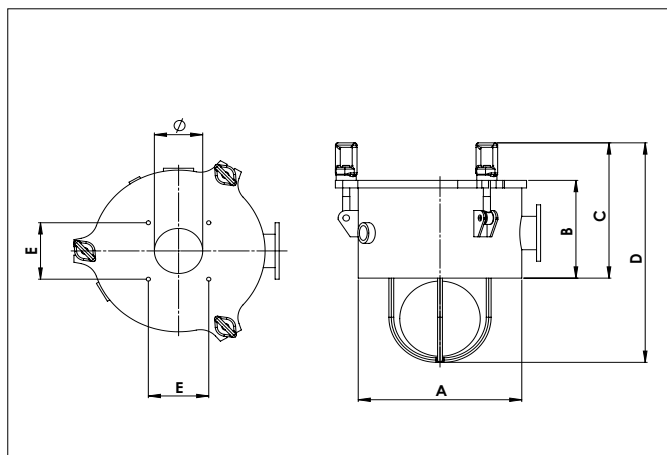


FEATURES

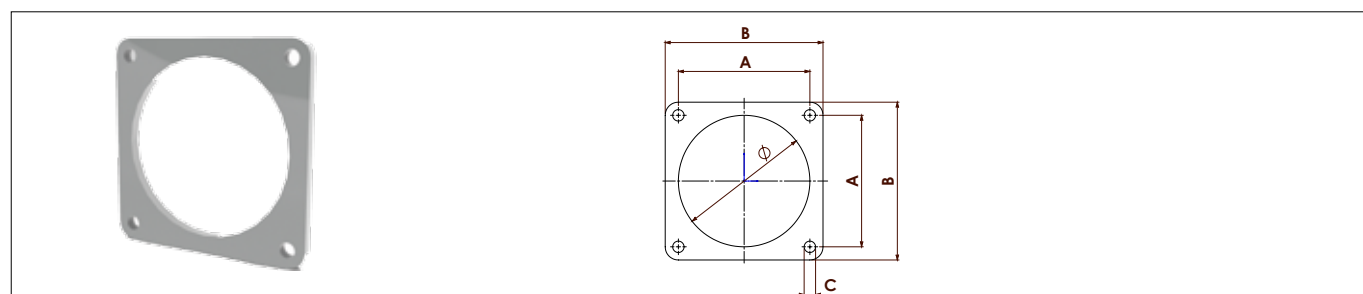
- WORKING CONDITIONS: PRESSURE = 1.5 bar (22 psi)
TEMPERATURE = -15°C / +80°C
- IRON RING TO BE WELDED BUILT
- STEEL BODY
- Ø 200 STAINLESS STEEL BALL
- MAX AIRFLOW 55000 l/min

CARATTERISTICHE

- CONDIZIONI DI ESERCIZIO: PRESSIONE = 1.5 bar (22 psi)
TEMPERATURA = -15°C / +80°C
- GHIERA DA SALDARE INCORPORATA
- CORPO IN ACCIAIO
- SFERA IN ACCIAIO INOX Ø 200
- PORTATA MAX 55000 l/min



Code	Model	Ø	A	B	C	D	E	Kg
6100200038	KTS/KTM/AIDA	120	406	260	360	585	150	46.5
6100200042	KTS/KTM/AIDA/WSM	150	406	260	360	585	150	46



Code	DN	Ø	A	B	C	N. Holes	Thickness	Kg	Article
5010406003	6"	150	150	180	13	4	10	0,8	316/G



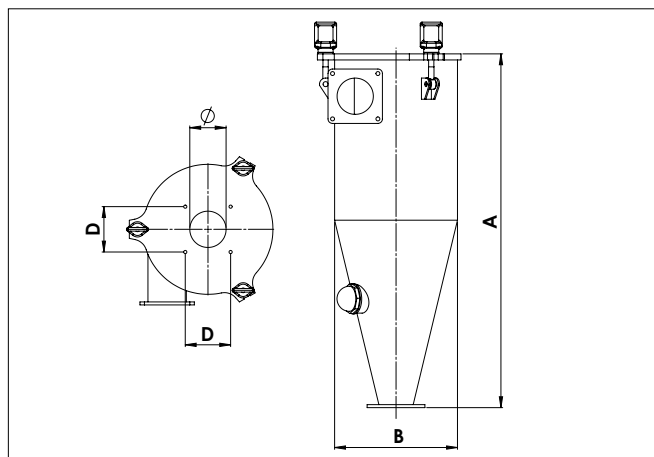
NEW

FEATURES

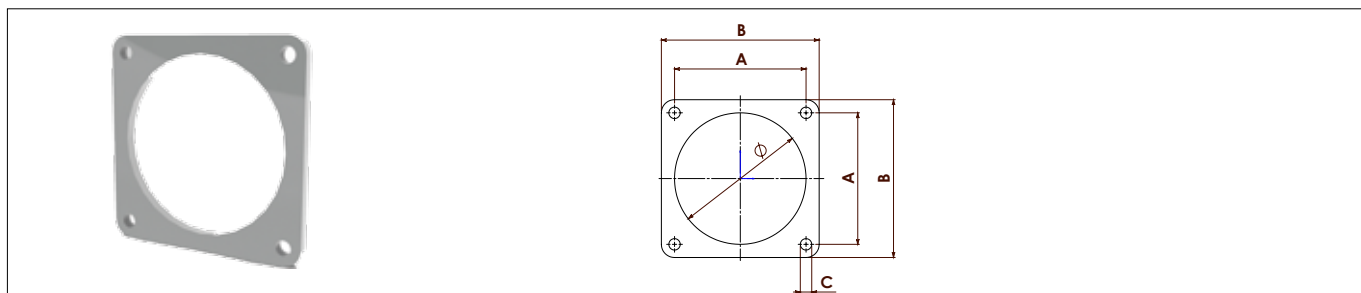
- WORKING CONDITIONS: PRESSURE = 1.5 bar (22 psi)
TEMPERATURE = -15°C / +80°C
- GALVANIZED STEEL BODY
- Ø 200 STAINLESS STEEL BALL
- OVERPRESSURE VALVE AS STANDARD
- CONTROL SIGHT GLASS
- MAX AIRFLOW 55000 l/min

CARATTERISTICHE

- CONDIZIONI DI ESERCIZIO: PRESSIONE = 1.5 bar (22 psi)
TEMPERATURA = -15°C / +80°C
- CORPO IN ACCIAIO ZINCATO
- SFERA IN ACCIAIO INOX Ø 200
- VALVOLA DI SOVRAPPRESSIONE DI SERIE
- SPIA DI CONTROLLO
- PORTATA MAX 55000 l/min



Code	Valve	Model	Ø	A	B	D	Kg
6100200039	1600	KTS/KTM/AIDA	120	1170	406	150	81.5
6100200040	2300	KTS/KTM/WSM/AIDA	150	1170	406	150	81
6100200041	3300	KTS/KTM/WSM/AIDA	150	1030	500	150	105



Code	DN	Ø	A	B	C	N. Holes	Thickness	Kg	Article
5010406003	6"	150	150	180	13	4	10	0,8	316/G

AIR-WATER FILTER

500 - 1300 - 3300



Battioni®
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PREMISE

Air filters Battioni Pagani are designed and manufactured to prevent the ingress of solid particles and dust inside of rotary vane vacuum pumps thus reducing wear of the blades and extending the life of the pump.

The water filters Battioni Pagani are designed and manufactured to prevent the ingress of solid particles upstream of the water pump.

The bodies and lids Pagani Battioni filters are made of aluminum alloy and the cartridges are made of 304 stainless steel to avoid chemical and atmospheric aggression and ensure a long life.

NEW



AIR FILTER 500: CODE 6080200363
WATER FILTER 500: CODE 6080200373



AIR FILTER 1300: CODE 6080200262
WATER FILTER 1300: CODE 6080200263

PREMESSA

I filtri aria Battioni Pagani sono stati progettati e realizzati per evitare l'ingresso di parti solide e polveri all'interno delle pompe per vuoto rotative a palette così riducendo l'usura delle palette e allungando la vita alla pompa.

I filtri acqua Battioni Pagani sono stati progettati e realizzati per evitare l'ingresso di parti solide a monte delle pompe acqua.

I corpi e coperchi filtri Battioni Pagani sono in lega di alluminio e le cartucce in acciaio inox 304 per evitare aggressioni chimiche e atmosferiche e garantire una lunga durata nel tempo.



AIR FILTER 3300: CODE 66080200094
WATER FILTER 3300: CODE 6080200095

Technical Data Dati Tecnici		500 air filter	500 water filter	1300 air filter	1300 water filter	3300 air filter	3300 water filter
Max Operating Pressure Pressione max lavoro	bar	1,5	1,5	1,5	1,5	1,5	1,5
Max Operating vacuum Vuoto max lavoro	bar	-0,95	-	-0,95	-	-0,95	-
Max Air Flow rate Portata max aria	m³/h	500	-	1300	-	3300	-
Max Flow rate of the Water Pump Portata nom. max pompa acqua	l/min (H ₂ O)	-	57	-	150	-	320
Filtration cartridge Filtrazione cartuccia	mesh	55	22	55	22	55	22
Operating temperature Temperatura di utilizzo	°C	-15/+80	-	-15/+80	-	-15/+80	-
Net weight Peso netto	kg	3	3	7	7	15	15

INSTALLATION

The filter must be installed with the inlet in the rear as shown in (Fig. 1)

We recommend connecting to the filter through Battioni Pagani support available on request for the different types of pumps or by rigid metal pipes as close as possible to the pump. During the positioning of the filter, let the space for dismounting the cover and for the extraction of the cartridge.

INSTALLAZIONE

Il filtro deve essere installato con l'ingresso nella parte posteriore come indicato in (Fig. 1)

Si consiglia il collegamento al filtro tramite il supporto Battioni Pagani fornibile a richiesta per le diverse tipologie di pompe o mediante tubazioni rigide in metallo il più possibile a ridosso dell'organo pompante.

Durante il posizionamento del filtro, tenere in considerazione lo spazio per lo smontaggio del coperchio e per l'estrazione della cartuccia.



Fig. 1

MAINTENANCE

During periods of non-use and during the winter season, always remove the liquid material contained in the filter.

Clean the filter at least once a week and whenever it is deemed necessary based on usage.

To clean the filter, we recommend the use of detergents with passivating and protective properties. Dry properly the cartridge and the whole filter after cleaning.

MANUTENZIONE

Durante i periodi di non utilizzo e durante la stagione invernale, rimuovere sempre il materiale liquido contenuto nel filtro.

Provvedere alla pulizia del filtro almeno una volta a settimana e ogni qualvolta si ritenga necessario in base all'utilizzo.

Per la pulizia del filtro, si consiglia l'utilizzo di detersivi con proprietà passivanti e protettive.

Asciugare adeguatamente la cartuccia e l'intero filtro a pulizia avvenuta.



AIR-WATER FILTER

500 - 1300 - 3300

REBUILD KIT KIT DI SOSTITUZIONE



REBUILD KIT AIR FILTER 500: 6080200374
REBUILD KIT WATER FILTER 500: 6080200375
REBUILD KIT AIR FILTER 1300: 6080200376
REBUILD KIT WATER FILTER 1300: 6080200377
REBUILD KIT AIR FILTER 3300: 6080200378
REBUILD KIT WATER FILTER 3300: 6080200379

COUPLING FLANGE FLANGIA DI ACCOPPIAMENTO



CODE	DN	Ø	kg	ARTICLE
5010406003	6"	150	0,8	316/G

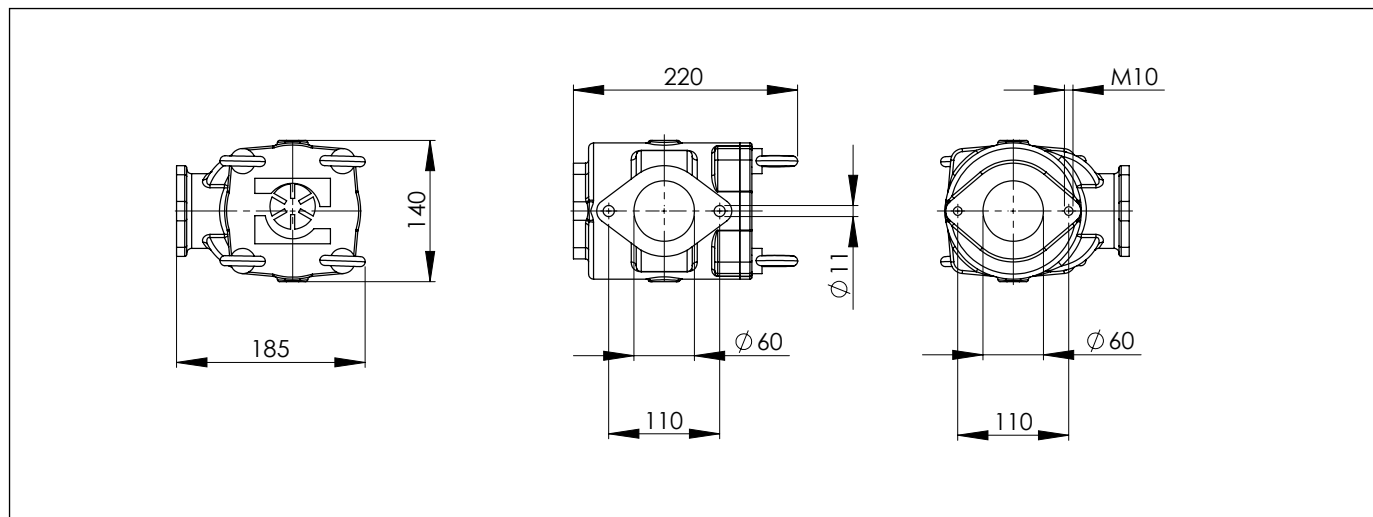
KIT SUPPORT FILTER KIT SUPPORTO FILTRO



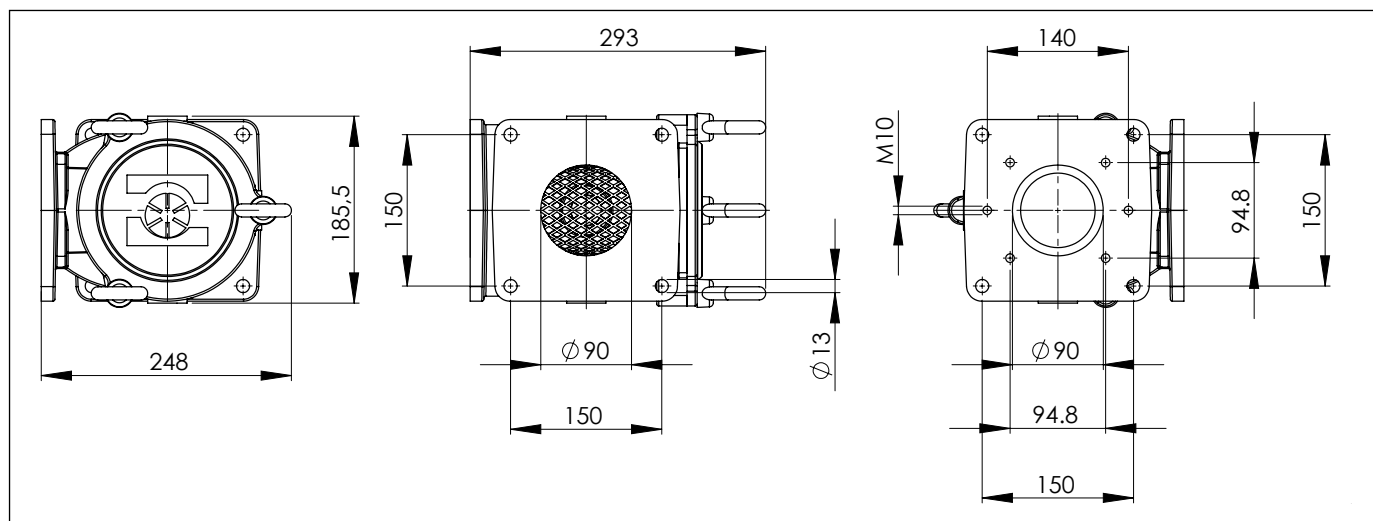
KIT SUPPORT FILTER MEC II / STAR / KTS: 6080200290
KIT SUPPORT FILTER WPT: 6080200291

DIMENSIONS

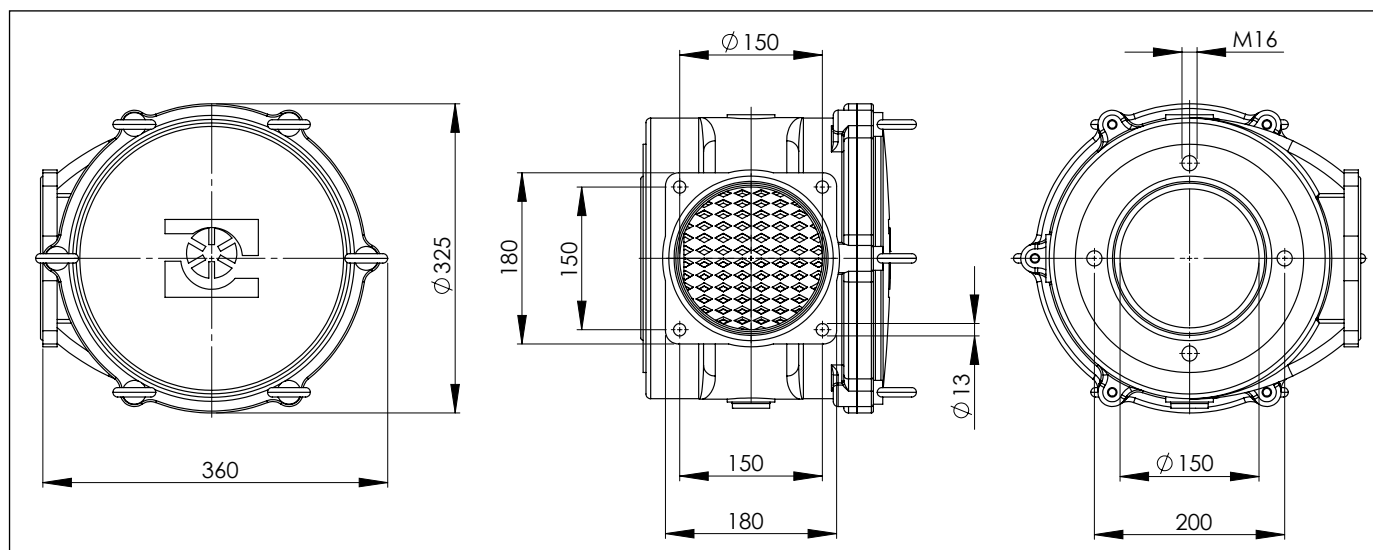
AIR FILTER 500 WATER FILTER 500



AIR FILTER 1300 WATER FILTER 1300



AIR FILTER 3300 WATER FILTER 3300





FEATURES

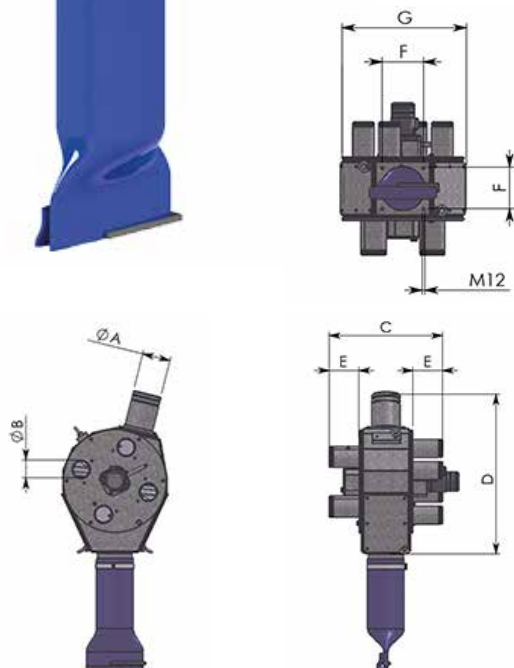
- MAX PRESSURE 45 psi (3 bar)
- FULLY HOT GALVANISED
- CUTTING DEVICE INCLUDED
- SELF-SHARPENING BLADES
- EASY MAINTENANCE
- HOMOGENEOUS DISTRIBUTION
- HEAVY FOREIGN BODY DISCHARGE SOCK
- VERTICAL VERSION and one side version
- CLOSING DISTRIBUTION HOLES POSSIBLTY TO FIT YOUR SYSTEM
- SUBJECT TO RISK ANALYS IS ACCORDING TO EN ISO 14121-1:2007
- HYDRAULIC MOTOR STANDARD

CARATTERISTICHE

- PRESSIONE MAX 3 bar (45 psi)
- INTERAMENTE ZINCATO A CALDO
- TRINCIATORE INCORPORATO
- LAME AUTOAFFILANTI
- FACILE MANUTENZIONE
- DISTRIBUZIONE OMOGENEA
- SACCHETTO DI SCARICO PER PARTI SOLIDE PESANTI
- VERSIONI VERTICALI o con una flangia
- POSSIBILITA ' DI CHIUDERE FORI DI DISTRIBUZIONE
- SOTTOPOSTO AD ANALISI DEI RISCHI FATTA SULLA LINEA GUIDA EN ISO 14121-1:2007
- MOTORE IDRAULICO STANDARD

EIGENSCHAFTEN

- MAX. DRUCK 3 bar (45 psi)
- VOLLSTÄNDIG FEUERVERZINKT
- HÄCKSELMESSER INTEGRIERT
- SELBSTSCHÄRFENDE KLINGEN
- EINFACHE WARTUNG
- GLEICHMÄSSIGE VERTEILUNG
- ABFALLSACK FÜR SCHWERE FESTSTOFFE
- VERTIKALE AUSFÜHRUNGEN ODER MIT FLANSCH
- VERTEILUNGSÖFFNUNGEN KÖNNEN GESCHLOSSEN WERDEN
- RISIKOANALYSE GEMÄSS RICHTLINIE EN ISO 14121-1:2007
- HYDRAULIKMOTOREN ALS SERIE



TECHNICAL DATA - OVERALL DIMENSIONS

CODE	Model	Ø A	Ø B	Number of outlets	C	D	E	F	G	Article
6080200212	DISPENSER 4/80 One Side	120	80	4	420	680	128	150	450	2010/J
6080200213	DISPENSER 6/80 One Side	120	80	6	420	680	128	150	450	2010/K
6080200207	DISPENSER 8/80 Two Side	150	80	8	480	680	128	150	450	2010/D
6080200208	DISPENSER 12/80 Two Side	150	80	12	480	680	128	150	450	2010/E
6080200209	DISPENSER 12/40 One Side	120	40	12	420	680	128	150	450	2010/F
6080200211	DISPENSER 16/40 One Side	120	40	16	420	680	128	150	450	2010/H
6080200285	DISPENSER 18/40 One Side	120	40	18	420	680	128	150	450	2010/T
6080200192	DISPENSER 24/40 Two Side	150	40	24	480	680	128	150	450	2010/A
6080200206	DISPENSER 32/40 Two Side	150	40	32	480	680	128	150	450	2010/C
6080200284	DISPENSER 36/40 Two Side	150	40	36	480	680	128	150	450	2010/S
6080200228	DISPENSER 12/50 One Side	120	50	12	420	680	128	150	450	2010/Q
6080200210	DISPENSER 16/50 One Side	120	50	16	420	680	128	150	450	2010/G
6080200221	DISPENSER 24/50 Two Side	150	50	24	480	680	128	150	450	2010/M
6080200193	DISPENSER 32/50 Two Side	150	50	32	480	680	128	150	450	2010/B
6080200259	DISPENSER 7/60 One Side	120	60	7	420	680	128	150	450	2010/U
6080200227	DISPENSER 12/60 One Side	120	60	12	420	680	128	150	450	2010/P
6080200258	DISPENSER 14/60 Two Side	150	60	14	480	680	128	150	450	2010/R
6080200220	DISPENSER 24/60 Two Side	150	60	24	480	680	128	150	450	2010/L

AVAILABLE DISPENSER TYPES

THE DISPENSER BATTIONI PAGANI POMPE® IS AVAILABLE IN SEVERAL CONFIGURATIONS:

4 - 6 - 8 - 12 PIPES DN 80: TO BE USED WITH CATTLE SEWAGE AND PARTICULARLY SUITABLE FOR BURYING PLOUGHS USE.

12 - 16 - 24 - 32 PIPES DN 50: TO BE USED WITH PIG SLURRY DESIGNED SPECIFICALLY FOR RAINFALL DISTRIBUTION.

12 - 16 - 18 - 24 - 32 - 36 PIPES DN 40: TO BE USED WITH PIG SLURRY DESIGNED SPECIFICALLY FOR RAINFALL DISTRIBUTION.

7 - 12 - 14 - 24 PIPES DN 60: TO BE USED WITH PIG SLURRY DESIGNED SPECIFICALLY FOR RAINFALL DISTRIBUTION.

VERSIONI DEL DISPENSER

IL DISPENSER BATTIONI PAGANI POMPE® È DISPONIBILE IN SVARIATE CONFIGURAZIONI:

4 - 6 - 8 - 12 TUBI DN 80: PER UTILIZZO CON LIQUAME BOVINO E PARTICOLARMENTE ADATTO PER UTILIZZO CON INTERRATORI.

12 - 16 - 24 - 32 TUBI DN 50: PER UTILIZZO CON LIQUAME SUINO STUDIATO APPOSITAMENTE PER LA DISTRIBUZIONE A PIOGGIA.

12 - 16 - 18 - 24 - 32 - 36 TUBI DN 40: PER UTILIZZO CON LIQUAME SUINO STUDIATO APPOSITAMENTE PER LA DISTRIBUZIONE A PIOGGIA.

7 - 12 - 14 - 24 TUBI DN 60: PER UTILIZZO CON LIQUAME SUINO STUDIATO APPOSITAMENTE PER LA DISTRIBUZIONE A PIOGGIA.

AUSFÜHRUNGEN DES DISPENSERS

DER DISPENSER BATTIONI PAGANI POMPE® IST IN UNTERSCHIEDLICHEN KONFIGURATIONEN ERHÄLTICH:

4 - 6 - 8 - 12 SCHLÄUCHE DN 80: BEIM EINSATZ FÜR RINDERGÜLLE UND BESONDERS FÜR DIE VERWENDUNG ZUSAMMEN MIT GÜLLEPFLUG.

12 - 16 - 24 - 32 SCHLÄUCHE DN 50: BEIM EINSATZ FÜR SCHWEINEGÜLLE UND ENTSPRECHEND FÜR DIE RIESELVERTEILUNG ENTWICKELT.

12 - 16 - 18 - 24 - 32 - 36 SCHLÄUCHE DN 40: BEIM EINSATZ FÜR SCHWEINEGÜLLE UND ENTSPRECHEND FÜR DIE RIESELVERTEILUNG ENTWICKELT.

7 - 12 - 14 - 24 SCHLÄUCHE DN 60: BEIM EINSATZ FÜR SCHWEINEGÜLLE UND ENTSPRECHEND FÜR DIE RIESELVERTEILUNG ENTWICKELT.

TWO SIDE VERSION



8 - 12 PIPES DN 80
24 - 32 PIPES DN 50
24 - 32 - 36 PIPES DN 40
14 - 24 PIPES DN 60

ONE SIDE VERSION



4 - 6 PIPES DN 80
12 - 16 PIPES DN 50
12 - 16 - 18 PIPES DN 40
7 - 12 PIPES DN 60

KIT ELECTRONIC CONTROL VALVE PRESSURE SETTING



KIT HOLES CLOSING



CODE	MODEL	Article
6080200214	KIT ELECTRONIC CONTROL VALVE PRESSURE SETTING	312
6080200222	KIT HOLES CLOSING Ø 40	313/40
6080200223	KIT HOLES CLOSING Ø 50	313/50
6080200224	KIT HOLES CLOSING Ø 60	313/60
6080200225	KIT HOLES CLOSING Ø 80	313/80



RANGE OIL TEMPERATURE -30° c +60° C
MAX WORKING PRESSURE HYDRAULIC MOTOR 165 bar (2475 psi)
MAX OIL CAPACITY 60 l/min.

TEMPERATURA AMMISSIBILE DELL'OLIO -30° c +60° C
PRESSIONE MAX MOTORE IDRAULICO 165 bar CONTINUA (2475 psi)
PORTATA MAX OLIO 60 l/min. CONTINUA

ZULÄSSIGE ÖLTEMPERATUR -30° c +60° C
MAX DRUCK DES HYDRAULIKES MOTORS 165 bar DAUERND (2475 psi)
MAX DURCHFLUSSMENGE ÖL 60 l/min. DAUERND

CODE	Model	Hydraulic Swivel RPM	Kg	Article
5020400033	DISPENSER	500	5.9	2601/D

SWIVEL CAST IRON PIPE WITH FLANGE Ø 3" - 4"

GETTO GIREVOLE FLANGIATO
REGNER MIT FLANSCH



Battioni®
Pagani

Setting the pace since 1953

HYDRAULIC SWIVEL ADJUSTABLE



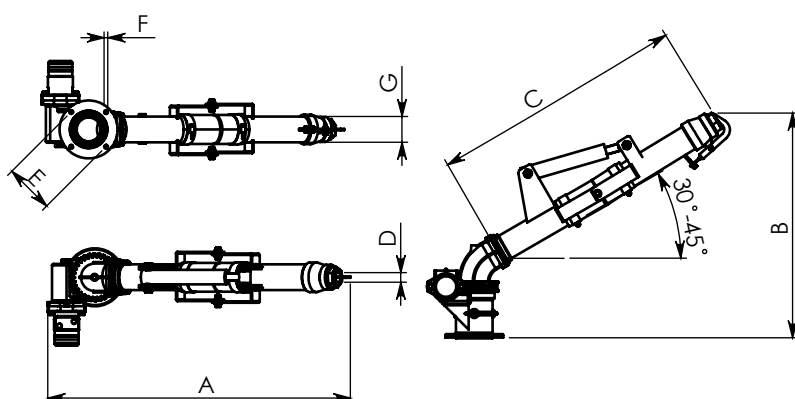
NOMINAL VALUES HYDRAULIC CYLINDER:
- RANGE OIL TEMPERATURE - 20°C + 80°C
- WORKING PRESSURE HYDRAULIC 90÷180 BAR

FEATURES

- HIGH RESISTANCE SPHEROIDAL CAST-IRON
- SUPPLIED WITH 1 O-RINGS FOR COUPLING
- EASY GREASING
- ROTATION OF 360°
- BREAK-SEWAGE
- GALVANIZED PIPE
- VERSION: MANUAL SWIVEL
HYDRAULIC SWIVEL
HYDRAULIC SWIVEL ADJUSTABLE
- HYDRAULIC MOTOR STANDARD

CARATTERISTICHE

- GHISA SFEROIDALE AD ALTA RESISTENZA
- FORNITURA CON 1 OR PER ACCOPPIAMENTO
- INGRASSAGGIO AGEVOLE
- ROTAZIONE DI 360°
- FRANGIGETTO DI SERIE
- TUBO ZINCATO
- VERSIONI: MANUALE
IDRAULICO
IDRAULICO REGOLABILE IN ALTEZZA
- MOTORE IDRAULICO STANDARD



EIGENSCHAFTEN

- HOCH WIDERSTANDSFÄHIGES SPHÄROLITISCHES GUSSEISEN
- GELIEFERT MIT 1 O-RING FÜR KOPPLUNG
- BEQUEMES SCHMIEREN
- DREHUNG UM 360°
- WASSERHAHNAUFSATZ SERIENMÄSSIG
- VERZINKTE LEITUNG
- AUSFÜHRUNGEN: MANUELL
HYDRAULISCH
HYDRAULISCH HÖHENVERSTELLBAR
- HYDRAULIKMOTOREN ALS SERIE

DIMENSION MANUAL SWIVEL

CODE	Ø	A	B	C	D	E	F	G	Kg	Article
6100300012	3"	985	726	890	25-34	170	13	2"1/2	25,5	209/D
6100300013	4"	985	726	890	34	170	13	3"	28,5	209/E

DIMENSION HYDRAULIC SWIVEL

CODE	Ø	A	B	C	D	E	F	G	Kg	Article
6100300026	3"	971	726	890	25-34	170	13	2"1/2	25,5	210/F
6100300027	4"	971	726	890	34	170	13	3"	28,5	210/G

DIMENSION HYDRAULIC SWIVEL ADJUSTABLE

CODE	Ø	A	B	C	D	E	F	G	Kg	Article
6100300028	3"	971	765	890	25-34	170	13	2"1/2	28	211/F
6100300029	4"	971	765	890	34	170	13	3"	31	211/G

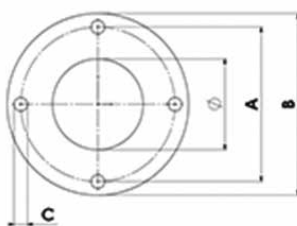
HYDRAULIC SWIVEL



MANUAL SWIVEL



	NOZZLE DIAMETER (mm)	PRESSURE (bar)	CAPACITY (l/min)	JET LENGTH 30° (m)	JET LENGTH 45° (m)
SWIVEL 3"	25-34	5	1600	56	65
SWIVEL 3"	25-34	6	1750	59	69
SWIVEL 3"	25-34	7	1900	62	72
SWIVEL 3"	25-34	8	2020	65	75
SWIVEL 4"	34	5	1800	58	67
SWIVEL 4"	34	6	1960	61	71
SWIVEL 4"	34	7	2100	64	74
SWIVEL 4"	34	8	2260	67	77



CODE	Ø	A	B	C	N. Holes	Thickness	Kg	Article
5010401006	100	170	200	13	4	12	1,4	2003/E



RANGE OIL TEMPERATURE -30° c +60° C
MAX WORKING PRESSURE HYDRAULIC MOTOR 165 bar (2475 psi)
PRESSURE APPLICATION 80 bar
MAX OIL CAPACITY 60 l/min.

TEMPERATURA AMMISSIBILE DELL'OLIO -30° c +60° C
 PRESSIONE MAX MOTORE IDRAULICO 165 bar CONTINUA (2475 psi)
 PRESSIONE APPLICAZIONE 80 bar
 PORTATA MAX OLIO 60 l/min. CONTINUA

CODE	Model	Hydraulic Swivel Joint RPM	Kg	Article
5020400011	HYDRAULIC SWIVEL	7	5.9	2601

ULÄSSIGE ÖLTEMPERATUR -30° c +60° C
 MAX DRUCK DES HYDRAULIKES MOTORS 165 bar DAUERND (2475 psi)
 ANWENDUNG DRUCK 80 bar
 MAX DURCHFLUSSMENGE ÖL 60 l/min. DAUERND

3/4 - WAY VALVES

RUBINETTI 3/4 VIE
3/4 - WEGE HÄHNE



Battioni®
Pagani

Setting the pace since 1953

NEW



3 WAY VALVE - 8"

Ø 200 HYDRAULIC DIAMETER
LIQUID PASSAGE WITHOUT PRESSURE LOSSES
BRASS CONE SELF-LUBRICATING
HIGH WEARING RESISTANCE THANKS TO CAST-IRON WITH HIGH HARDNESS

RUBINETTO 3 VIE - 8"

DIAMETRO IDRAULICO Ø 200
PASSAGGIO IDRAULICO SENZA PERDITE DI CARICO
CONO IN OTTONE AUTOLUBRIFICANTE
ELEVATA RESISTENZA AD USURA GRAZIE A GHISA AD ALTA RESISTENZA

3 WEGE HÄHNE - 8"

HYDRAULISCHER DURCHMESSER Ø 200
FLÜSSIGKEITSDURCHGANG OHNE DRUCKVERLUSTE
MESSING-KONUS SELBSTSCHMIER
HOHE FESTIGKEIT ZU ABNUTZUNG FÜR GUSSEISEN
MIT HOHE HÄRTE

3/4 - WAY VALVE WITH LEVER



CARATTERISTICHE

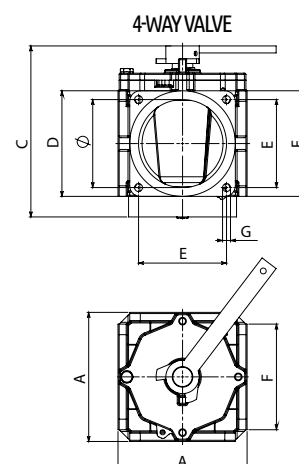
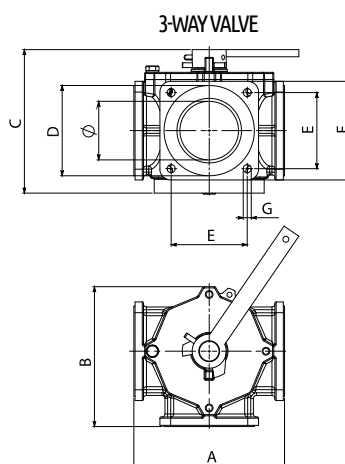
- CONDIZIONI DI ESERCIZIO : PRESSIONE = 6 BAR (90 PSI)
TEMPERATURA = -15° C / +80° C
- INGRASSAGGIO AGEVOLE

EIGENSCHAFTEN

- BETRIEBSBEDINGUNGEN : DRUCK = 6 BAR (90 PSI)
TEMPERATUR = -15° C / +80° C
- BEQUEMES SCHMIEREN

FEATURES

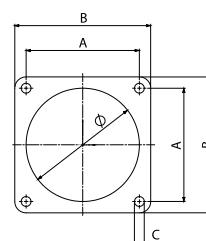
- WORKING CONDITIONS: PRESSURE = 6 BAR (90 PSI)
TEMPERATURE = -15° C / +80° C
- EASY GREASING



TECHNICAL DATA - OVERALL DIMENSIONS

	CODE	Ø (inch)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	HYDRAULIC DIAMETER	Kg	ARTICLE
3-WAY VALVE	6080200031	4"	252	234	240	151	127	165	13	100	30,8	2501/E
3-WAY VALVE	6080200033	6"	305	303	265	180	150	180	13	152	42,8	2501/G
4-WAY VALVE	6080200043	6"	220	-	283	180	150	180	M12	112	36	2503/G
3-WAY VALVE	6080200372	8"	360	360	314	-	180	228	13	200	54	2501/H

COUPLING FLANGE



CODE	DN	Ø	A	B	C	N. HOLES	THICKNESS	Kg	Article
5010401008	3 vie 4"	100	127	165	13	4	10	2,5	2006/E
4010401038	3 - 4 vie 6"	150	150	180	13	4	10	3,7	2006/G

3/4 - WAY VALVE WITH PNEUMATIC REVOLVING CYLINDER

FEATURES

- WORKING CONDITIONS: PRESSURE = 6 BAR (90 PSI)
TEMPERATURE = -15°C / +80°C
- EASY GREASING

NOMINAL VALUES PNEUMATIC REVOLVING HOUSING PLUS:

- PRESSURE RATING MAX 8.4 BAR
- TEMPERATURE RANGE -20°C TO +85°C
- FOR STANDARD VERSION (NBR)



CARATTERISTICHE

- CONDIZIONI DI ESERCIZIO:
PRESSIONE = 6 BAR (90 PSI)
TEMPERATURA = -15°C / +80°C

- INGRASSAGGIO AGEVOLE

VALORI NOMINALI CILINDRO ROTATIVO PNEUMATICO PLUS:

- PRESSIONE MASSIMA UTILIZZO 8.4 BAR
- TEMPERATURA DA -20°C A +85°C
- PER LA VERSIONE STANDARD (NBR)

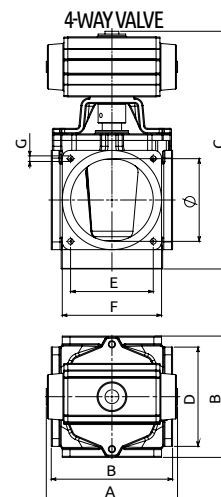
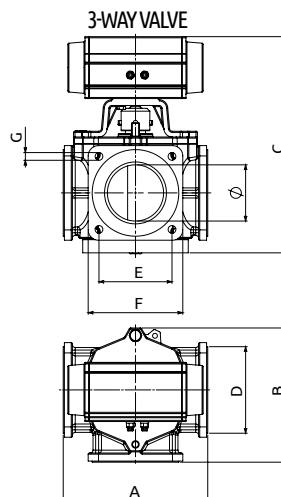
EIGENSCHAFTEN

- BETRIEBSBEDINGUNGEN:
DRUCK = 6 BAR (90 PSI)
TEMPERATUR = -15°C / +80°C

- BEQUEMES SCHMIEREN

NENNWERTE DRUCKLUFTBETRIEBENER DREHZYLINDER PLUS:

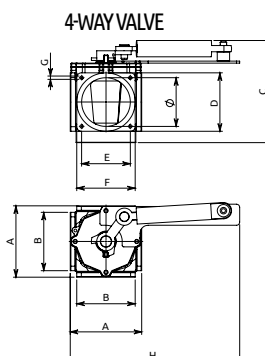
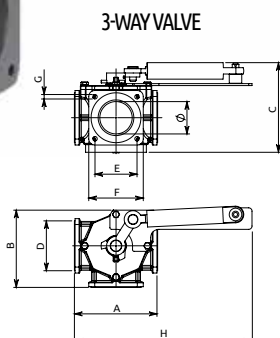
- MAXIMALER BETRIEBSDRUCK 8.4 BAR
- TEMPERATUR VON -20°C BIS +85°C
- FÜR STANDARD AUSFÜHRUNG (NBR)



TECHNICAL DATA - OVERALL DIMENSIONS

	CODE	Ø (inch)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	HYDRAULIC DIAMETER	Kg	TORQUE OUTPUT 8 BAR	ARTICLE
3-WAY VALVE	6080200109	4" plus	252	234	379	151	127	165	13	100	30,8	129 Nm	5003/E
3-WAY VALVE	6080200110	6" plus	305	303	404	180	150	180	13	152	48,8	129 Nm	5003/G
4-WAY VALVE	6080200111	6" plus	250	220	422	180	150	180	M12	112	42	129 Nm	5004/G

3/4 - WAY VALVE WITH HYDRAULIC CYLINDER



FEATURES

- WORKING CONDITIONS: PRESSURE = 6 BAR (90 PSI)
TEMPERATURE = -15°C / +80°C

- EASY GREASING

NOMINAL VALUES HYDRAULIC CYLINDER:

- RANGE OIL TEMPERATURE -30°C + 80°C
- MAX WORKING PRESSURE HYDRAULIC 150 BAR (2175 PSI)

CARATTERISTICHE

- CONDIZIONI DI ESERCIZIO: PRESSIONE = 6 BAR (90 PSI)
TEMPERATURA = -15°C / +80°C

- INGRASSAGGIO AGEVOLE

VALORI NOMINALI CILINDRO IDRAULICO:

- TEMPERATURA AMMISSIBILE DELL'OLIO -30°C + 80°C
- PRESSIONE MASSIMA CILINDRO IDRAULICO 150 BAR (2175 PSI)

EIGENSCHAFTEN

- BETRIEBSBEDINGUNGEN: DRUCK = 6 BAR (90 PSI)
TEMPERATUR = -15°C / +80°C

- BEQUEMES SCHMIEREN

NENNWERTE HYDRAULIKZYLINDER:

- ZULÄSSIG ÖLTEMPERATUR -30°C + 80°C
- MAXIMALER DRUCK HYDRAULIKZYLINDER 150 BAR (2175 PSI)

TECHNICAL DATA - OVERALL DIMENSIONS

	CODE	Ø (inch)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	HYDRAULIC DIAMETER	Kg	ARTICLE
3-WAY VALVE	6080200166	4"	252	234	272	151	127	165	13	535	100	33	2506/E
3-WAY VALVE	6080200167	6"	305	303	300	180	150	180	13	580	152	45	2506/G
4-WAY VALVE	6080200168	6"	220	180	315	180	150	180	M12	520	112	44,2	2508/G
3-WAY VALVE	6080200395	8"	360	360	345	-	180	228	13	600	200	60	2506/H



FEATURES

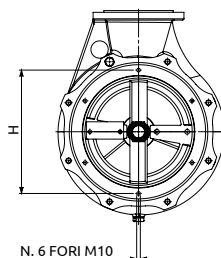
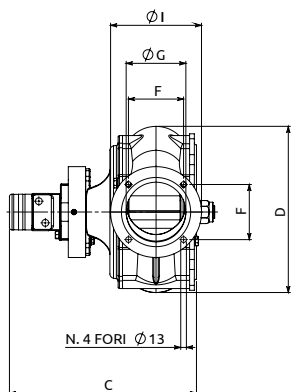
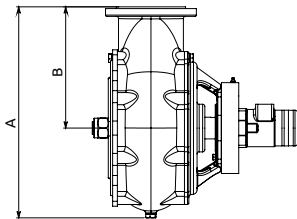
- BATTIONI PAGANI POMPE® FILLER IS A CENTRIFUGAL PUMP IN CAST-IRON MATERIAL WITH AN IMPELLER OPERATED BY AN HYDRAULIC MOTOR.
- IT FILLS ENTIRELY THE TANK
- IT INCREASES FILLING SPEED, LENGTHENING LIFETIME OF THE VACUUM PUMP AND MAINTENANCE INTERVALS
- THE LOAD IS MORE HOMOGENEOUS
- FIBERS MAY BE TRITURATED BY FITTING THE CUTTING DEVICE ON REQUEST
- THE FOAM IS ELIMINATED
- IT IS COMPATIBLE WITH EVERY KIND OF TANK
- IT IS POSSIBLE TO USE THE ACCELERATOR WITH STARP UMP – K /KA VERSION AND HYDRAULIC PUMP
- WEIGHT: 60 KG ONLY, HYDRAULIC MOTOR INCLUDED
- MECHANICAL SEAL AS SERIES
- HYDRAULIC MOTOR WITH ORBITAL DISTRIBUTION: MIN 60 L/MIN AT 130 BAR; MAX 75 L/MIN AT 165 BAR
- HYDRAULIC MOTOR STANDARD

CARATTERISTICHE

- FILLER BATTIONI PAGANI POMPE® È UNA POMPA CENTRIFUGA IN GHISA LA CUI GIRANTE È AZIONATA DA UN MOTORE IDRAULICO.
- RIEMPIE LA BOTTE AL 100%
- AUMENTA LA VELOCITÀ DI RIEMPIMENTO ALLUNGANDO LA VITA DELLA POMPA DA VUOTO E GLI INTERVALLI DI MANUTENZIONE
- RENDE OMOGENEO IL CARICO
- MONTANDO IL TRINCIATORE IN OPZIONE, TRITURA LE FIBRE
- ELIMINA L'EFFETTO SCHIUMA
- COMPATIBILE CON QUALSIASI TIPO DI BOTTE E CISTERNA
- POSSIBILITÀ DI UTILIZZO CON POMPA BATTIONI PAGANI POMPE® STAR VERSIONE K/KA E POMPA IDRAULICA
- LEGGERO: SOLO 60 KG MOTORE IDRAULICO COMPRESO
- TENUTA MECCANICA DI SERIE
- MOTORE IDRAULICO CON DISTRIBUZIONE ORBITALE: DA MIN 60 L/MIN A 130 BAR A MAX 75 L/MIN A 165 BAR
- MOTORE IDRAULICO STANDARD

EIGENSCHAFTEN

- FILLER VON BATTIONI PAGANI POMPE® IST EINE KREISELPUMPE AUS GUSSEISEN, DEREN LAUFRADE ÜBER EINEN HYDRAULIKMOTOR BETRIEBEN WIRD
- FÜLLT DAS FASS ZU 100%
- STEIGERT DIE FÜLLGESCHWINDIGKEIT UND VERLÄNGERT GLEICHZEITIG DIE LEBENSZEIT DER VAKUUMPUMPE SOWIE DIE WARTUNGSZEITRÄUME
- GLEICHMÄSSIGES BEFÜLLEN
- DURCH MONTAGE DES HÄCKSELMESSERS (OPTIONAL) WERDEN WERDEN FASERN ZERKLEINERT
- SCHAUMBILDUNG WIRD VERHINDERT
- KOMPATIBEL MIT JEDER ART VON FASS ODER TANK
- EINSATZ MIT PUMPEN VON BATTIONI PAGANI POMPE® DER AUSFÜHRUNG STAR K/KA UND HYDRAULIKPUMPE MÖGLICH
- LEICHT: NUR 60 KG INKLUSIVE HYDRAULIKMOTOR
- DICHTUNG SERIENMÄSSIG
- HYDRAULIKMOTOR MIT ORBITALER VENTILSTEUERUNG: VON MIN. 60 L/MIN BEI 130 BAR BIS MAX. 75 L/MIN BEI 165 BAR
- HYDRAULIKMOTOREN ALS SERIE



TECHNICAL DATA - OVERALL DIMENSIONS

	CODE	A	B	C	D	E	F	G	H	I	ABSORPTION	RATE OF FLOW	Kg	Article
FILLER WITH FLANGE	6080200316	476	280	430	384	200	127	140	285	210	2,8 Kw	2800 l/min	60	6001/D
FILLER WITH CUTTING DEVICE	6080200317	476	280	430	384	200	127	140	285	210	3 Kw	2800 l/min	60	6001/E



RANGE OIL TEMPERATURE -30° c +60° C
MAX WORKING PRESSURE HYDRAULIC MOTOR 165 bar (2475 psi)
PRESSURE APPLICATION 80 bar
MAX OIL CAPACITY 60 l/min.

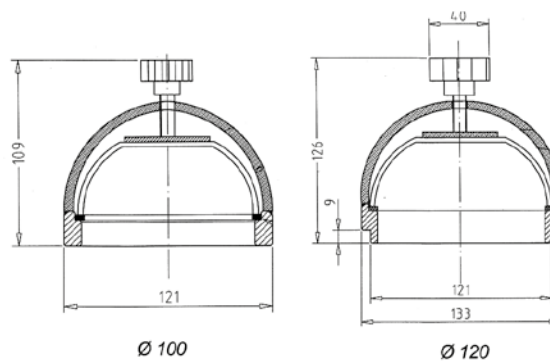
TEMPERATURA AMMISSIBILE DELL'OLIO -30° c +60° C
 PRESSIONE MAX MOTORE IDRAULICO 165 bar CONTINUA (2475 psi)
 PRESSIONE APPLICAZIONE 80 bar
 PORTATA MAX OLIO 60 l/min. CONTINUA

CODE	Model	Hydraulic Swivel Joint RPM	Kg	Article
5020400038	FILLER	500	5.9	2601/F

ZULÄSSIG ÖLTEMPERATUR -30° c +60° C
 MAX DRUCK DES HYDRAULIKES MOTORS 165 bar DAUERND (2475 psi)
 ANWENDUNG DRUCK 80 bar
 MAX DURCHFLUSSMENGE ÖL 60 l/min. DAUERND

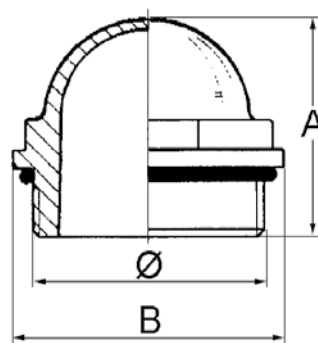


SIGHT GLASS



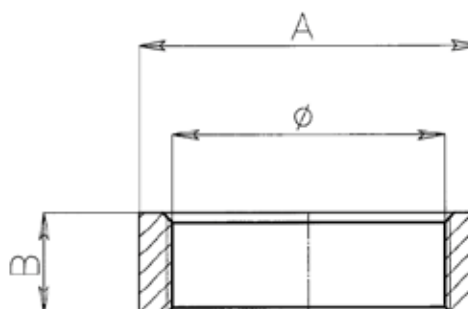
CODE	Model	Kg	Article
5060105007	Ø 100	0.9	2105/E
5060105008	Ø 120	1.2	2105/F

PLASTIC SIGHT GLASS WITH O-RING



CODE	Ø	A	B	Kg	Article
5060105001	2"	50	68	0.06	1001/C
5060105002	3"	78	101	0.16	1001/D

STEEL RING FOR PLASTIC SIGHT GLASS



CODE	Ø	A	B	Kg	Article
5100606001	2"	70	20	0.20	208/C
5100606002	3"	100	30	0.55	208/D

AISI 316 STAINLESS STEEL FLOATING BALL



CODE	Ø	Kg	Article
5060410105	120	0.34	V 70
5060410104	200	1.32	V 37

LIGHT RUBBER BALL



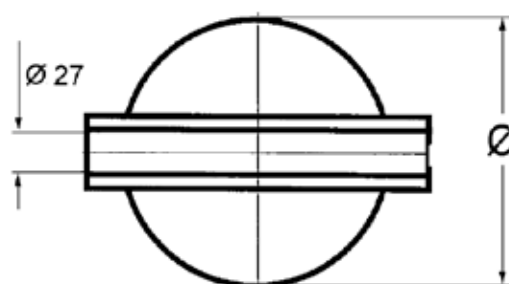
CODE	Ø	Kg	Article
5060410001	60	0.10	801/B
5060410010	70	0.15	801/C
5060410002	80	0.19	801/D
5060410003	100	0.34	801/E

FLOATING BALL



CODE	Ø	Kg	Article
5060410100	120	0.165	3601/F
5060410101	160	0.320	3601/G
5060410102	200	0.470	3601/H

DRILLED FLOATING BALL



CODE	Ø	Kg	Article
5060410103	200	0.595	3602/H



RUBBER COUPLING JOINT

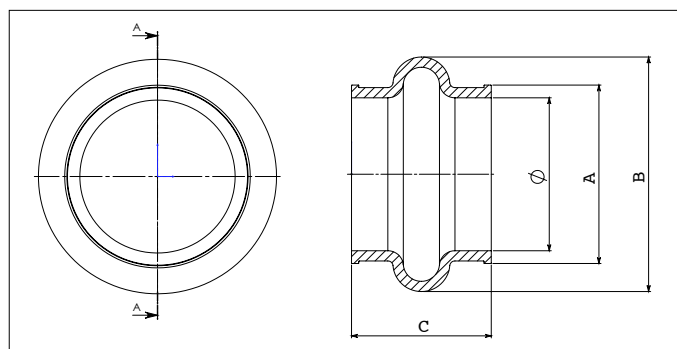


FEATURES

WORKING CONDITIONS:

PRESSURE = 1.5 BAR (22 PSI)

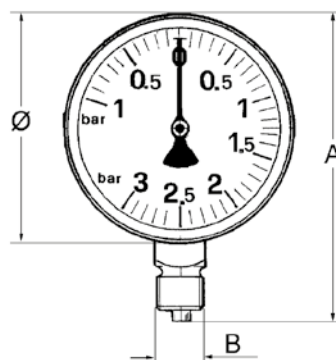
TEMPERATURE = 15°C / +60°C



CODE	Ø	Kg	Article
5100706006	150	0.165	530/G
5100703001	200	0.320	1901/H
5100703002	250	0.430	1901/L

Code	Ø	A	B	C				Kg	Article
5060010004	150	177	230	135	-15 +10 mm	8 mm	10°	1.1	1101/G
5060010002	200	228	280	150	-15 +10 mm	8 mm	10°	1.4	1101/H
5060010023	250	270	330	160	-15 +10 mm	8 mm	10°	1.9	1101/L

VACUUM PRESSURE GAUGE



CODE	Ø	A	B	Model	Kg	Article
5101700001	60	84	1/4"	NO GLYCERIN	0.13	901/C
5101700002	80	109	3/8"	NO GLYCERIN	0.28	901/C
5101700007	80	80	3/8"	AXIAL CONNECTION	0.30	901/DA
5101700003	100	136	1/2"	NO GLYCERIN	0.45	901/E
5101700004	100	136	1/2"	GLYCERIN	0.525	901/EG

HYDRAULIC MOTORS

MOTORI IDRAULICI
HYDRAULIKMOTOREN



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	HYDRAULIC ENGINE	MAX PUMP WORKING PRESSURE (bar)	DISPLACEMENT (cm ³ /r)	WORKING SPEED (r/min)	REQUESTED PRESSURE (bar)	MAX WORKING PRESSURE (bar)	MAX WORKING POWER (Kw)	PORT CONNECTORS DIMENSIONS
MEC 1000/H	PLM 20,20	1	21,14	1200	130	200	4,7	G 1/2" - G 3/4"
MEC 1600/H	PLM 20,20	1	21,14	1200	130	200	4,7	G 1/2" - G 3/4"
MEC 2000/H	KM 30,27	1	26,7	1200	100	280	5	G 1" - G 3/4"
MEC 3000/H	KM 30,27	1	26,7	1200	150	280	6,8	G 1" - G 3/4"
MEC 4000/H	KM 30,43	1	43,98	1200	120	250	9	G 1" - G 1"
MEC 5000/H	KM 30,43	1	43,98	1200	150	250	11,3	G 1" - G 1"
MEC 6500/H	KM 30,43	1	43,98	1200	150	250	11,3	G 1" - G 1"
MEC 8000/H	KM 30,51	1	51,83	1200	185	230	16,4	G 1" - G 1"
MEC 2000/HM	MSA 125 SHA	1	125,7	540	80	175	7,7	G 1/2" - G 1/2"
MEC 3000/HM	MSA 125 SHA	1	125,7	540	90	175	8,7	G 1/2" - G 1/2"
MEC 4000/HM	MSA 125 SHA	1	125,7	540	100	175	9,7	G 1/2" - G 1/2"
MEC 5000/HM	MSA 125 SHA	1	125,7	540	130	175	12,5	G 1/2" - G 1/2"
MEC 6500/HM	MSA 125 SHA	1	125,7	540	140	175	13,5	G 1/2" - G 1/2"
MEC 8000/HM	MSA 125 SHA	1	125,7	540	160	175	15,5	G 1/2" - G 1/2"
BALLAST 3500/HM	MSA 125 SHA	1	125,7	540	80	175	7,7	G 1/2" - G 1/2"
BALLAST 4500/HM	MSA 125 SHA	1	125,7	540	105	175	10,1	G 1/2" - G 1/2"
BALLAST 6000/HM	MSA 125 SHA	1	125,7	540	135	175	13	G 1/2" - G 1/2"
BALLAST 7500/HM	MSA 125 SHA	1	125,7	540	155	175	15	G 1/2" - G 1/2"
BALLAST 3500/H	KM 30,27	1	26,7	1200	175	280	8	G 1" - G 3/4"
BALLAST 4500/H	KM 30,43	1	43,98	1200	135	250	10,1	G 1" - G 1"
BALLAST 6000/H	KM 30,43	1	43,98	1200	175	250	13,1	G 1" - G 1"
BALLAST 7500/H	KM 30,51	1	51,83	1200	170	230	15	G 1" - G 1"
MEC II 9000/H	KM 30,51	1	51,83	1200	195	230	17,2	G 1" - G 1"
MEC II 11000/H	KM 30,73	1	73,82	1200	145	180	18,3	G 1" - G 1" 1/4
MEC II 13500/H	KM 40,87	1	86,56	1200	145	280	21,4	G 1" 1/4 - G 1" 1/2
BALLAST 9000/H	KM 30,51	1	51,83	1200	195	230	17,2	G 1" - G 1"
BALLAST 11000/H	KM 30,73	1	73,82	1200	145	180	18,3	G 1" - G 1" 1/4
BALLAST 13500/H	KM 40,87	1	86,56	1200	145	280	21,4	G 1" 1/4 - G 1" 1/2
BALLAST 16000/H	KM 40,87	1	86,56	1200	210	280	31	G 1" 1/4 - G 1" 1/2
STAR 60/H	KM 40,87	1	86,56	1000	130	280	16	G 1" 1/4 - G 1" 1/2
STAR 72/H	KM 40,87	1	86,56	1000	155	280	19	G 1" 1/4 - G 1" 1/2
STAR 84/H	KM 40,87	1	86,56	1000	190	280	23,4	G 1" 1/4 - G 1" 1/2
FAN 420	KM 40,87	1	86,56	1400	160	280	23,5	G 1" 1/4 - G 1" 1/2
FAN 530	KM 40,87	1	86,56	1400	220	280	37,9	G 1" 1/4 - G 1" 1/2
KPS 490	KM 40,87	1	86,56	1200	160	280	23,6	G 1" 1/4 - G 1" 1/2
KPS 550	KM 40,87	1	86,56	1200	190	280	28,1	G 1" 1/4 - G 1" 1/2
KPS 670	KM 40,87	1	86,56	1200	220	280	32,5	G 1" 1/4 - G 1" 1/2
WPT 480/H	KM 40,87	1	86,56	1000	140	280	17,2	G 1" 1/4 - G 1" 1/2
WPT 600/H	KM 40,87	1	86,56	1000	170	280	20,9	G 1" 1/4 - G 1" 1/2
WPT 720/H	KM 40,87	1	86,56	1000	205	280	25,2	G 1" 1/4 - G 1" 1/2
KTS 840/HFR	KM 40,109	1	108,9	1000	130	250	20,1	G 1" - G 1" 1/4
KTS 960/HFR	KM 40,109	1	108,9	1000	165	250	25,6	G 1" - G 1" 1/4
KTS 1080/HFR	KM 40,109	1	108,9	1000	185	250	28,7	G 1" - G 1" 1/4
KTM 1200/HFR	KM 40,109	1	108,9	1000	230	250	35,6	G 1" - G 1" 1/4
KTM 1500/HFR	KM 40,151	1	150,79	1000	200	200	42,9	G 1" 1/4 - G 1" 1/2
KTM 1800/HFR	M7 (100)	1	100	1000	325	400	46,2	G 1" - G 1"
KTM 2300/HFR	M7 (100)	1	100	1000	385	400	54,8	G 1" - G 1"
BR 40/HM	KM 30,73 RO	10	73,82	1620	80	180	13,6	G 1" - G 1" 1/4
BR 80/HM	KM 30,73 RO	10	73,82	1620	160	180	27,2	G 1" - G 1" 1/4
BR 120/HM	KM 30,73 RO	6	73,82	1620	150	180	25,5	G 1" - G 1" 1/4
BR 160/HM	KM 30,73 RO	5	73,82	1620	170	180	28,9	G 1" - G 1" 1/4
BR 200/H	GM2 300	7	304	540	200	250	46,7	G 1" - G 1"
BR 240/H	GM2 300	6	304	540	210	250	49	G 1" - G 1"
BR 280/H	GM2 300	5	304	540	220	250	51,4	G 1" - G 1"
BR EVO 50/H	OR 100	10	99,8	500	160	175	11,4	G 1/2" - G 1/2"



HYDRAULIC MOTORS

MOTORI IDRAULICI
HYDRAULIKMOTOREN

	HYDRAULIC ENGINE	MAX PUMP WORKING PRESSURE (bar)	DISPLACEMENT (cm ³ /r)	WORKING SPEED (r/min)	REQUESTED PRESSURE (bar)	MAX WORKING PRESSURE (bar)	MAX WORKING POWER (Kw)	PORT CONNECTORS DIMENSIONS
BR EVO 90/H	OT 200	8	201,4	500	120	175	17,2	G 3/4" - G 3/4"
BR EVO 170/H	OT 200	8	201,4	500	170	175	24,4	G 3/4" - G 3/4"
BR EVO 260/H	OT 315	6	326,3	370	165	175	28,4	G 3/4" - G 3/4"
FILLER	MP 100 - C	1	100	500	170	210	12,1	G 1/2" - G 1/2"
DISPENSER	MP 100	6	101	500	80	165	5,8	G 1/2" - G 1/2"
REVOBLOCK 07 D200	MP 315	-	292	200	80	165	6,7	G 1/2" - G 1/2"
REVOBLOCK 07 D250	MP 315	-	292	200	80	165	6,7	G 1/2" - G 1/2"
REVOBLOCK 10 D200	MP 315	-	292	200	80	165	6,7	G 1/2" - G 1/2"
REVOBLOCK 14 D200	MP 315 - C	-	314,9	240	140	200	12,3	G 1/2" - G 1/2"
REVOBLOCK 10 D250	MP 315 - C	-	314,9	240	140	200	12,3	G 1/2" - G 1/2"
GUN	MP 315	8	292	7	80	165	0,2	G 1/2" - G 1/2"
GARDA EVO	GS - 130	-	129	1000	250	400	48	G1" - G1"
COMBI	TF 1.5 240	-	240	1000	250	350	85,4	G1" - G1"
AIDA 16000	KM 40,87	1	86,56	1000	155	280	19,1	G 1"1/4 - G 1" 1/2
AIDA 19000	KM 40,87	1	86,56	1000	175	280	21,6	G 1"1/4 - G 1" 1/2
AIDA 21000	KM 40,87	1	86,56	1000	195	280	24	G 1"1/4 - G 1" 1/2
AIDA 26000	KM 40,87	1	86,56	1000	210	280	25,9	G 1"1/4 - G 1" 1/2
AIDA 30000	KM 40,87	1	86,56	1000	220	280	27,1	G 1"1/4 - G 1" 1/2

HIGH PRESSURE PUMPS

POMPE ALTA PRESSIONE
HOCHDRUCKPUMPE

	Geometrical capacity			PTO Speed (r/min)	Pump Speed (r/min)	Max abs pressure		Power		Weight (kg)
	l/min	US gpm	cfm			Bar	PSI	kW	hp	
HIGH PRESSURE PUMP PRATISSOLI KF 28	93	24,6	3,28	1000	1000	210	3046	37	50	69
HIGH PRESSURE PUMP PRATISSOLI KF 30	106	28,0	3,74	1000	1000	200	2901	40	54	69
HIGH PRESSURE PUMP PRATISSOLI KF 32	120	31,7	4,24	1000	1000	180	2611	41,2	55	69
HIGH PRESSURE PUMP PRATISSOLI KF 36	153	40,4	5,40	1000	1000	130	1885	38,2	51	69
HIGH PRESSURE PUMP PRATISSOLI KF 40	170	44,9	6,00	1000	800	110	1595	36	48	69
HIGH PRESSURE PUMP PRATISSOLI KT 18	20	5,3	0,71	1000	1000	500	7252	19,4	26	40
HIGH PRESSURE PUMP PRATISSOLI KT 20	25	6,6	0,88	1000	1000	400	5801	19,2	26	40
HIGH PRESSURE PUMP PRATISSOLI KT 22	30	7,8	1,05	1000	1000	320	4641	18,4	25	40
HIGH PRESSURE PUMP PRATISSOLI KT 24	35	9,3	1,24	1000	1000	250	3626	17,0	23	40
HIGH PRESSURE PUMP PRATISSOLI KT 28	48	12,8	1,70	1000	1000	200	2901	18,7	25	40
HIGH PRESSURE PUMP PRATISSOLI KT 30	55	14,6	1,95	1000	1000	175	2538	18,7	25	40
HIGH PRESSURE PUMP PRATISSOLI KT 32	63	16,6	2,22	1000	1000	150	2176	18,2	24	40
HIGH PRESSURE PUMP PRATISSOLI KT 36	79	21,0	2,80	1000	1000	120	1740	18,4	25	40
HIGH PRESSURE PUMP PRATISSOLI KT 18	29	7,7	1,02	1000	1500	500	7252	27,2	38	40
HIGH PRESSURE PUMP PRATISSOLI KT 20	36	9,5	1,27	1000	1500	400	5801	27,2	37	40
HIGH PRESSURE PUMP PRATISSOLI KT 22	43	11,4	1,52	1000	1500	320	4641	26,5	36	40
HIGH PRESSURE PUMP PRATISSOLI KT 24	51	13,5	1,80	1000	1500	250	3626	24,3	33	40
HIGH PRESSURE PUMP PRATISSOLI KT 28	70	18,5	2,47	1000	1500	200	2901	26,5	36	40
HIGH PRESSURE PUMP PRATISSOLI KT 30	80	21,1	2,83	1000	1500	175	2538	26,5	36	40
HIGH PRESSURE PUMP PRATISSOLI KT 32	91	24,0	3,21	1000	1500	150	2176	25,8	35	40
HIGH PRESSURE PUMP PRATISSOLI KT 36	115	30,4	4,06	1000	1500	120	1740	26,5	36	40
HIGH PRESSURE PUMP HPP EL 84/190	84	22,2	2,97	1000	1000	190	2756	31,6	42,4	88
HIGH PRESSURE PUMP HPP EL 102/160	102	26,9	3,60	1000	1000	160	2321	31,6	42,4	88
HIGH PRESSURE PUMP HPP EL 122/130	122	32,2	4,31	1000	1000	130	1885	31,6	42,4	88
HIGH PRESSURE PUMP HPP EL 128/120	128	33,8	4,52	1000	800	120	1740	29,4	39,4	88
HIGH PRESSURE PUMP HPP EL 152/100	152	40,2	5,37	1000	800	100	1450	29,4	39,4	88
HIGH PRESSURE PUMP HPP ELS 162/110	162	42,8	5,72	1000	800	110	1595	36	48,3	88
HIGH PRESSURE PUMP HPP GL 109/290	109	28,8	3,85	1000	800	290	4206	61,7	83	150
HIGH PRESSURE PUMP HPP GL 135/235	135	35,7	4,77	1000	800	235	3408	62,5	84	150
HIGH PRESSURE PUMP HPP GL 171/185	171	45,2	6,04	1000	800	185	2683	62,5	84	150
HIGH PRESSURE PUMP HPP GL 212/150	212	56,0	7,49	1000	800	150	2176	62,5	84	150
HIGH PRESSURE PUMP HPP GL 256/125	256	67,6	9,04	1000	800	125	1813	62,5	84	150
HIGH PRESSURE PUMP ANNOVI RTX 100.120	100	26,4	3,53	1000	1500	120	1740	22	30	32,5

SEALS KIT



CODE	PUMPS
6010202001	SEALS KIT MEC 1000-1600
6010202002	SEALS KIT MEC 2000-3000-4000
6010202003	SEALS KIT MEC 5000-6500-8000
6010202004	SEALS KIT MEC 9000-11000-13500
6010202005	SEALS KIT BALLAST 3500-7500
6010202006	SEALS KIT BALLAST 9-13500
6010202007	SEALS KIT BALLAST 16000
6010202008	SEALS KIT STAR 60-72-84
6010202009	SEALS KIT WPT 480-600-720
6010202010	SEALS KIT KPS 490
6010202011	SEALS KIT KPS 550-670
6010202012	SEALS KIT KTS 840-960-1080
6010202013	SEALS KIT KTM 1200-1500
6010202014	SEALS KIT KTM 1800-2300
6010202015	SEALS KIT WSM 2700-3300
6010202016	SEALS KIT FAN 420-530

REBUILD KIT



CODE	PUMPS
6010201001	REBUILD KIT MEC 1000 STANDARD
6010201002	REBUILD KIT MEC 1600 STANDARD
6010201003	REBUILD KIT MEC 2000 STANDARD
6010201004	REBUILD KIT MEC 3000 STANDARD
6010201005	REBUILD KIT MEC 4000 STANDARD
6010201006	REBUILD KIT MEC 5000 STANDARD
6010201007	REBUILD KIT MEC 6500 STANDARD
6010201008	REBUILD KIT MEC 8000 STANDARD
6010201014	REBUILD KIT MEC 1000 LONG LIFE
6010201015	REBUILD KIT MEC 1600 LONG LIFE
6010201016	REBUILD KIT MEC 2000 LONG LIFE
6010201017	REBUILD KIT MEC 3000 LONG LIFE
6010201018	REBUILD KIT MEC 4000 LONG LIFE
6010201019	REBUILD KIT MEC 5000 LONG LIFE
6010201020	REBUILD KIT MEC 6500 LONG LIFE
6010201021	REBUILD KIT MEC 8000 LONG LIFE
6010201045	REBUILD KIT MEC 9000 LONG LIFE
6010201046	REBUILD KIT MEC 11000 LONG LIFE



6010201047	REBUILD KIT MEC 13500 LONG LIFE
6010201067	REBUILD KIT MEC 6500 M S.C. STANDARD
6010201068	REBUILD KIT MEC 8000 M S.C. STANDARD
6010201051	REBUILD KIT MEC 9000 M S.C. STANDARD
6010201052	REBUILD KIT MEC 11000 M S.C. STANDARD
6010201053	REBUILD KIT MEC 13500 M S.C. STANDARD
6010201092	REBUILD KIT BALLAST 3500 LONG LIFE
6010201093	REBUILD KIT BALLAST 4500 LONG LIFE
6010201072	REBUILD KIT BALLAST 5000 LONG LIFE
6010201094	REBUILD KIT BALLAST 6000 LONG LIFE
6010201073	REBUILD KIT BALLAST 6500 LONG LIFE
6010201084	REBUILD KIT BALLAST 7500 LONG LIFE
6010201057	REBUILD KIT BALLAST 8000 LONG LIFE
6010201048	REBUILD KIT BALLAST 9000 LONG LIFE
6010201049	REBUILD KIT BALLAST 11000 LONG LIFE
6010201050	REBUILD KIT BALLAST 13500 LONG LIFE
6010201083	REBUILD KIT BALLAST 16000 LONG LIFE
6010201011	REBUILD KIT STAR 60 STANDARD
6010201012	REBUILD KIT STAR 72 STANDARD
6010201013	REBUILD KIT STAR 84 STANDARD
6010201024	REBUILD KIT STAR 60 LONG LIFE
6010201025	REBUILD KIT STAR 72 LONG LIFE
6010201026	REBUILD KIT STAR 84 LONG LIFE
6010201087	REBUILD KIT KPS 490 LONG LIFE
6010201088	REBUILD KIT KPS 550 LONG LIFE
6010201089	REBUILD KIT KPS 670 LONG LIFE
6010201090	REBUILD KIT FAN 420 LONG LIFE
6010201091	REBUILD KIT FAN 530 LONG LIFE
6010201030	REBUILD KIT WPT/R 480 LONG LIFE
6010201031	REBUILD KIT WPT/R 600 LONG LIFE
6010201032	REBUILD KIT WPT/R 720 LONG LIFE
6010201033	REBUILD KIT WPT/FR 480 LONG LIFE
6010201034	REBUILD KIT WPT/FR 600 LONG LIFE
6010201035	REBUILD KIT WPT/FR 720 LONG LIFE
6010201086	REBUILD KIT WPT MFR-MAFR 480 SC STANDARD
6010201095	REBUILD KIT WPT MFR-MAFR 600 SC STANDARD
6010201096	REBUILD KIT WPT MFR-MAFR 720 SC STANDARD
6010201036	REBUILD KIT KTS 840 LONG LIFE
6010201037	REBUILD KIT KTS 960 LONG LIFE
6010201038	REBUILD KIT KTS 1080 LONG LIFE
6010201039	REBUILD KIT KTM 1200 LONG LIFE
6010201040	REBUILD KIT KTM 1500 LONG LIFE
6010201041	REBUILD KIT KTM 1800 LONG LIFE
6010201042	REBUILD KIT KTM 2300 LONG LIFE
6010201043	REBUILD KIT WSM 2700 LONG LIFE
6010201044	REBUILD KIT WSM 3300 LONG LIFE





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Via Cav. Enzo Ferrari, 2
43058 Ramoscello di Sorbolo (PR) - Italy

Ph. +39 0521 663203

Fax +39 0521 663206



www.bapag.it
info@bapag.it

