65th Years ANNIVERSARY 1953 - 2018

Battioni ® Pagani

Setting the pace since 1953

Technical Catalogue Industrial sector

Catalogo Tecnico Settore Industriale

Technischer Katalog Industriesektor

2018

www.bapag.it

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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.

MADE IN ITALY PRODUCT

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.

MADE IN ITALY PRODUCT

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.

MADE IN ITALY PRODUCT

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 seinen Zuverlässigkeit, was durch Personen garantiert wird, die keine Kompromisse eingehen.

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

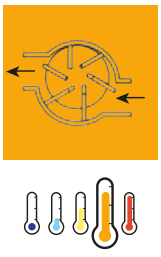
Le pompe per vuoto rotative a palette Battioni Pagani Pompe® sono state progettate e costruite nel rispetto delle normative comunitarie in materia di sicurezza e sono state oggetto della valutazione dei rischi secondo la norma UNI EN ISO 12100:2010; in particolare sono conformi alla direttiva 2006/42/CE 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 Vakuum Derhpumpe 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.

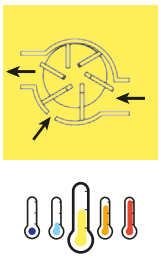
CE

COOLING SYSTEM



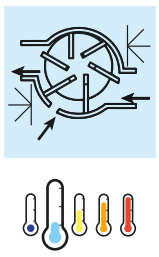
AIR-COOLING

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.



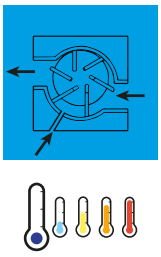
AIR INJECTION COOLING

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.



AIR FORCED COOLING + (AIR INJECTION COOLING)

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.

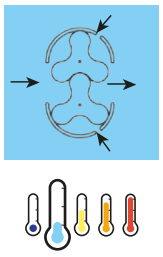


WATER COOLING + (AIR INJECTION COOLING)

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.

FULL WATER COOLING

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.



AIR INJECTION COOLING FOR ROTARY LOBE PUMPS

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.

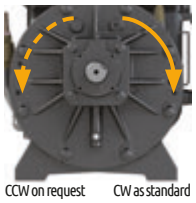
PUMPS FEATURES
CARATTERISTICHE
PUMPEN EIGENSCHAFTEN

Battioni® Pagani
Setting the pace since 1953

AVAILABLE VERSIONS

Rotary vanes vacuum pumps

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 chiavetta 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.

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 Vakuum Derhpumpe mit Lamellen befindet sowie am Identifikationsschild: .... / H = hydraulische Kraftübertragung erkennbar.

VANES

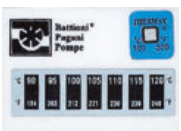
LONG LIFE

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 thermical 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
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 terzisti e con utilizzi frequenti anche nel corso della stessa giornata.

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.

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.

PUMPS FEATURES
CARATTERISTICHE
PUMPEN EIGENSCHAFTEN

LUBRICATION

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 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 durign 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.

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®.

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.

- 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

Code 6080200325

Flushing Kit are available for every Battioni Pagani® vacuum pumps (rotary vanes vacuum pumps an rotary lobe vacuum pumps).

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)

Pump Controller

The Pump Controller allows the user to constantly monitor the temperature of the air exiting the motor pump, the temperature of the cooling water (where applicable), the pressure or vacuum and the presence of oil in the oil pump. All this data is stored in the device memory and can be downloaded to reconstruct the history of the pump.

Il Pump Controller permette all'utente di monitorare costantemente la temperatura dell'aria in uscita dalla pompa, la temperatura dell'acqua di raffreddamento (dove applicabile), il valore di pressione o vuoto e la presenza di olio all'aspirazione della pompa olio. Tutti questi dati vengono immagazzinati nella memoria del dispositivo e possono essere scaricati per ricostruire la storia della pompa.

Der Pump Controller ermöglicht es dem Benutzer die Temperatur der Luft am Auslass aus der Pumpe zu überwachen, die Temperatur des Kühlwassers (wo anwendbar), den Druckwert oder Vakuumwert und ob sich Öl in der Ansaugung der Ölpumpe befindet. Diese Daten werden im Speicher der Vorrichtung gespeichert und können heruntergeladen werden, um die Geschichte der Pumpe zu rekonstruieren.

Pump Active Controller

In addition, the Pump Active Controller, featuring a grey film on the interface, has a valve driven by the electric actuator controlled by the control system and a solenoid valve for dosing cleaning liquid in the pump itself. In addition to this, it has all the features of the Pump Controller.

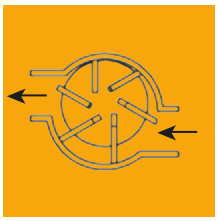
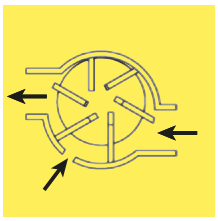
Il Pump Active Controller, caratterizzato da una pellicola grigia sull'interfaccia, possiede in aggiunta una valvola movimentata da attuatore elettrico comandato dal sistema di controllo e un'elettrovalvola per l'immissione in pompa di liquido di pulizia della pompa stessa. Oltre a questo ha tutte le funzionalità del Pump Controller.

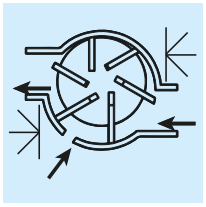
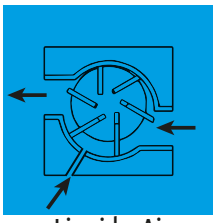
Der Pump Active Controller, der durch eine graue Folie an der Bedientafel gekennzeichnet ist, besitzt ein zusätzliches Ventil, das von einem elektrischen Stellantrieb bewegt wird, welcher vom Steuersystem gesteuert wird und ein Elektroventil für das Einfüllen der Reinigungsflüssigkeit in die Pumpe. Außerdem besitzt er dieselben Funktionen wie der Pump Controller.
Das

INDEX
INDICE
INDEX

Battioni® Pagani
Setting the pace since 1953

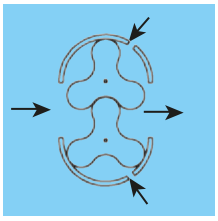
ROTARY VANES VACUUM PUMPS

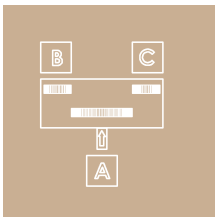
TECHNOLOGY		PUMPS	FLOW RATE			MAX VACUUM % (inHg)	MAX CONTINUOUS VACUUM % (inHg)	PAG.
			l/min	m³/h	cfm			
 Air cooled - RVP		MEC 1000	1260	75,6	45	89% (26,3")	60% (18")	1
		MEC 1600	1980	118,8	70	89% (26,3")	60% (18")	1
		MEC 2000	2750	165	97	91% (27,0")	60% (18")	1
		MEC 3000	3600	216	127	92% (27,2")	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

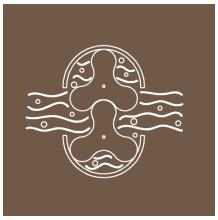
TECHNOLOGY		PUMPS	FLOW RATE l/min	FLOW RATE m³/h	FLOW RATE cfm	MAX VACUUM % (inHg)	MAX CONTINUOUS VACUUM % (inHg)	PAG.
 Double Fan + Air Injection cooled RVP		FAN 420	11980	719	423	95% (28,5")	91% (27")	27
		FAN 530	14890	893	526	95% (28,5")	91% (27")	27
 Liquid + Air Injection cooled RVP		KPS490	13520	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 600	11800	708	416,7	95% (28,5")	80% (24")	35
		WPT 720	14200	852	501,4	95% (28,5")	80% (24")	35
		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

INDEX
INDICE
INDEX

Battioni® Pagani
Setting the pace since 1953

TECHNOLOGY		PUMPS	FLOW RATE l/min	FLOW RATE m³/h	FLOW RATE cfm	MAX VACUUM % (inHg)	MAX CONTINUOUS VACUUM % (inHg)	PAG.
 Air injection cooled - Rotary Lobe vacuum pump		AIDA 16000	16000	960	565	90 (26,58")	90 (26,58")	51
		AIDA 19000	19000	1140	671	90 (26,58")	90 (26,58")	51
		AIDA 21000	21000	1260	741	90 (26,58")	90 (26,58")	51
		AIDA 26000	26000	1560	918	90 (26,58")	90 (26,58")	51
		AIDA 30000	30000	1800	1059	90 (26,58")	90 (26,58")	55

TECHNOLOGY		PUMPS	FLOW RATE l/min	FLOW RATE m³/h	FLOW RATE cfm	MAX RPM	HEAD m	PAG.
 Combined Group - Centrifugal Pump		GARDA-EVO AFI27	3500	210	123	1000	70	59
		GARDA-EVO AFI27 HIGH SPEED	2200	132	77	1000	140	59
		GARDA-EVO AFI35	4500	270	159	1000	114	59
		GARDA-EVO C6500	6500	390	229	1000	70	59

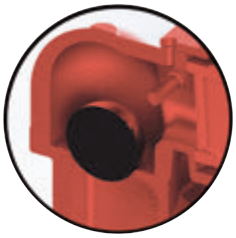
TECHNOLOGY		PUMPS	FLOW RATE l/min	FLOW RATE m³/h	FLOW RATE cfm	MAX ABS PRESSURE BAR/PSI	PAG.
 Self Priming Rotary Lobe Liquid Transfer Pumps		BR 40	710	42,6	25	10 (145)	65
		BR 80	1425	85,5	50,3	10 (145)	65
		BR 120	2125	127,5	75	10 (145)	65
		BR 160	2875	172,5	101,5	8 (116)	65
		BR 200	3500	210	123	7 (101)	65
		BR 240	4250	255	150	6 (86)	65
		BR 280	4950	297	174,8	5 (72)	65
		BR EVO - 50	633	38	22,3	10 (145)	69
		BR EVO - 90	1567	94	55,3	8 (116)	69
		BR EVO - 170	2767	166	97,7	8 (116)	69
		BR EVO - 260	4718	283	166,6	6 (86)	69

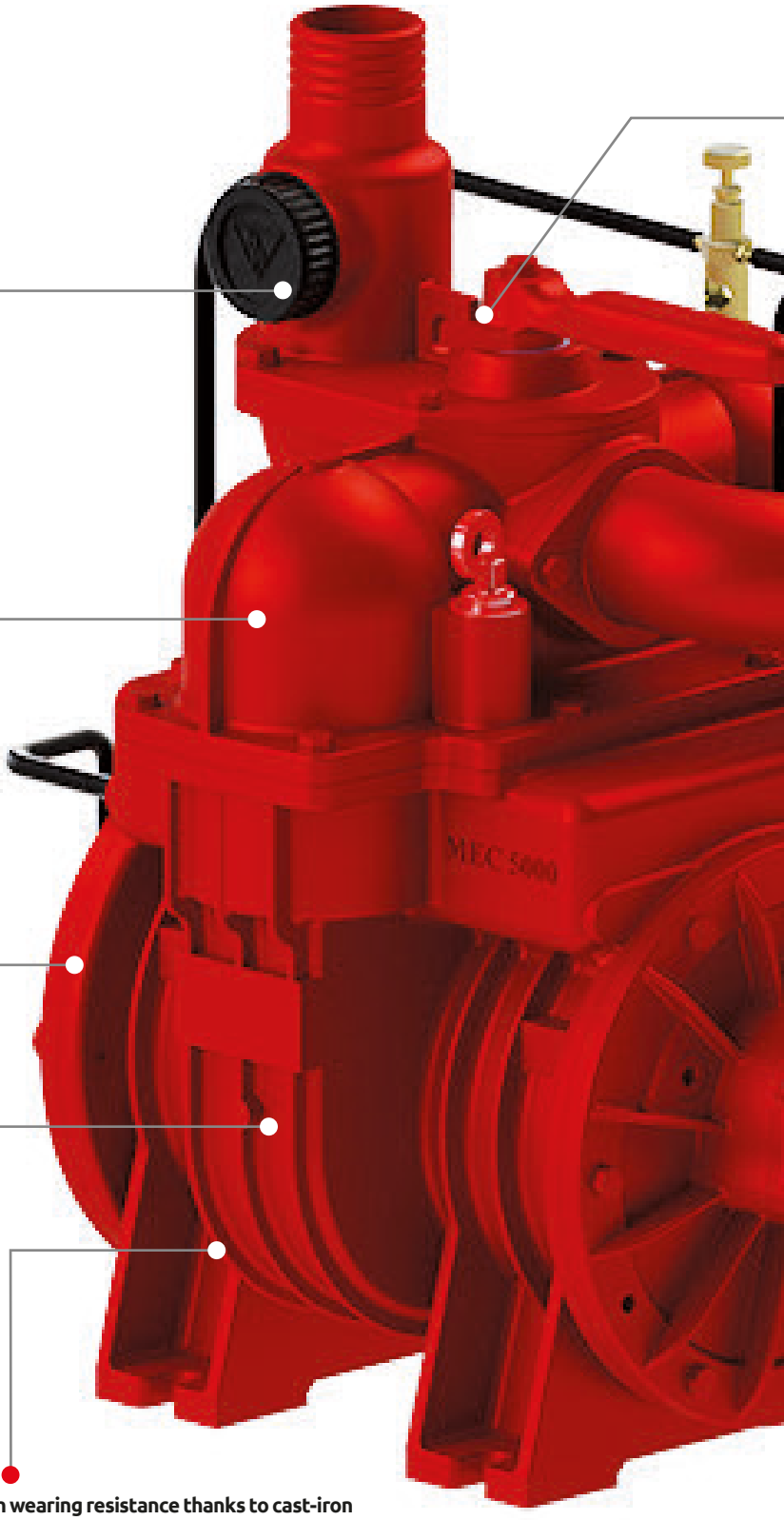
Battioni ®
Pagani

Setting the pace since 1953

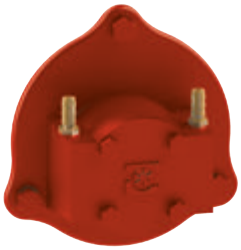
Predisposition for overpressure valve
Predisposizione per valvola di sovrapressione
Vorbereitung für Überdruckventil

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 hitzebestandigen Lamellen Long Life

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

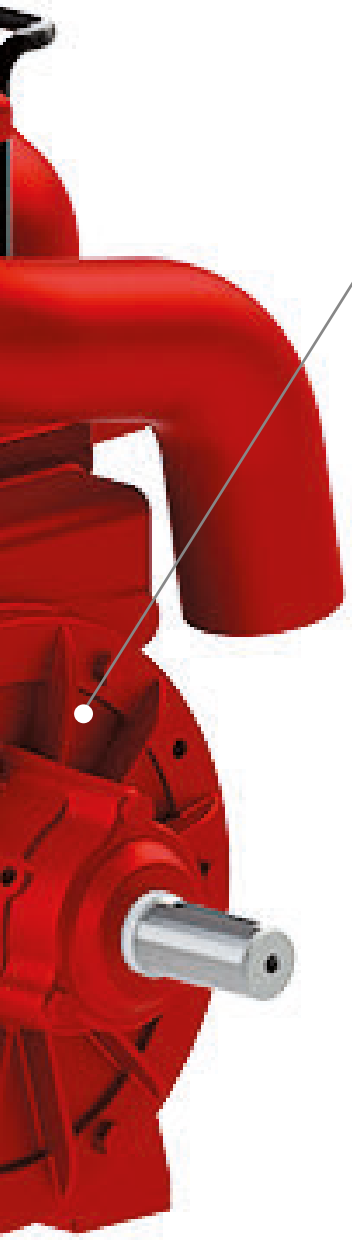
Cooling

AIR COOLED
ROTARY VANES
VACUUM/PRESSURE
PUMP

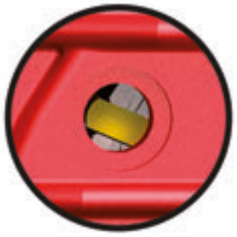
MEC

1000 - 1600 - 2000 - 3000 - 4000 - 5000 - 6500 - 8000

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



Blades inspection hole
Foro ispezione palette
Bohrung für Lamellen Prüfung



VERSIONS

MEC - P

MEC - H

MEC - HM

NEW

The picture is only for informative pourpose.
See the table on page 81 for the complete list of the available optionals.

MEC
1000 - 1600

Battioni® Pagani
Setting the pace since 1953

MEC 1000/1600 – Light and compact design

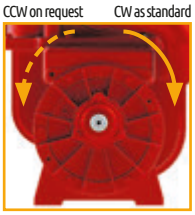
The reliability and strength of the MEC is the result of continuous design and manufacturing improvements accomplished during 40 years of deployments.
Its light and compact design made MEC 1000/1600 the best vacuum pump for portable sanitation services and small vacuum tank for liquid applications.

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

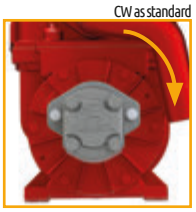
CCW on request CW as standard



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	P/H					P	H
MEC 1000	75,6	1260	45	1400	2,5 (36)	89% (26,3")	60% (18")	3,5 (4,7)	34	48
MEC 1600	118,8	1980	70	1400	2,5 (36)	89% (26,3")	60% (18")	4,5 (6)	42	56

OPTIONALS

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

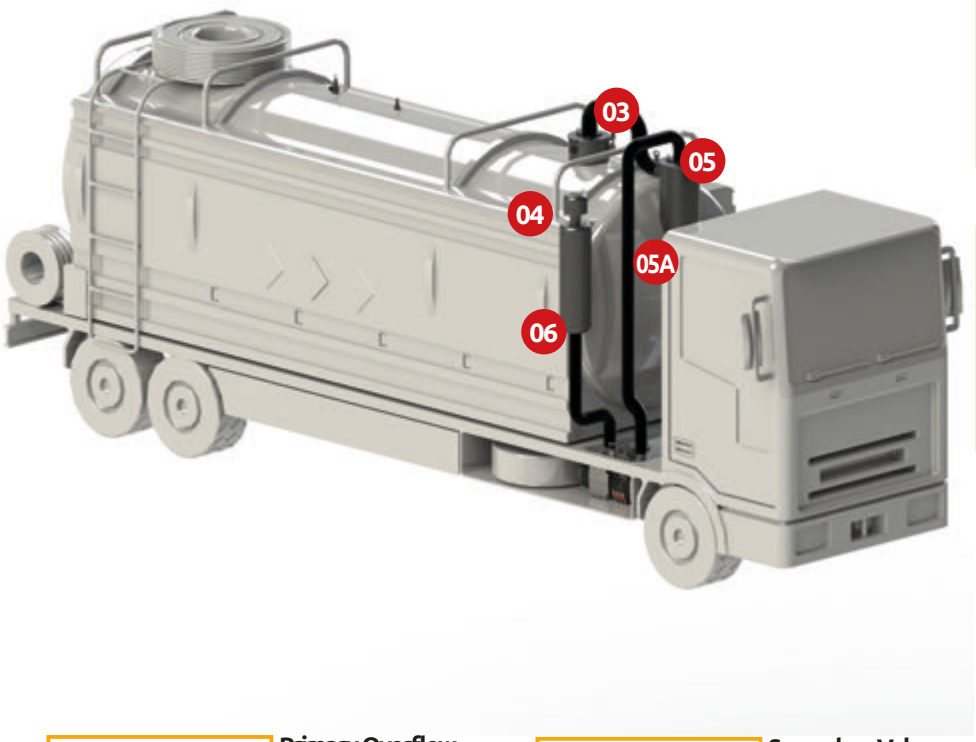
NEW

Pump Controller

NEW

Pump Active Controller

ACCESSORIES



01

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

02

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

06

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

04

Rain Cap
Code 5090000111
For Filter/silencer only Ø 45 mm

03

Primary Overflow Valve – Single Rubber Ball
Code 6100200006 - Ø45
Iron ring to be welded
Weight: 4,5 kg

05

Secondary Valve - Single Rubber Ball
Code 6100200003 - Ø45
Weight: 17,5 kg

05A

Discharge Valve - ¾"
Code 5040200006
To be fitted on Secondary valve

05B

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

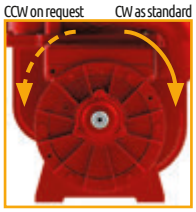
The reliability and strength of the MEC is the result of continuous design and manufacturing improvements accomplished during 40 years of deployments.
It's simple and practical design made the MEC pumps the product of reference for agricultural and municipalities septic applications.

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 on request CW as standard

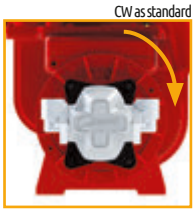


Version P
Smooth Cylindrical shaft
Ø 30, lenght 70 mm
Parallel key UNI 6604

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	HM	P/H					P	H	HM
MEC 2000	165	2750	97	600	1400	2,5 (36)	91% (27,0")	60% (18")	5,5 (7,3)	65	81	77
MEC 3000	216	3600	127	600	1400	2,5 (36)	92% (27,2")	60% (18")	7 (9,4)	77	92	89
MEC 4000	261	4350	154	600	1400	2,5 (36)	94% (28,0")	60% (18")	9 (12,6)	90	116	102

OPTIONALS

Automatic Lubrication
Single lubrication points

Side Outlet
With two revolving elbows

Revolving Elbow
Ø 45 mm
Ø 51 mm
Ø 60 mm

Hydraulic Changeover
Code 6080200217

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

NEW

Flushing Kit
Code 6080200325

Battioni Pagani Vacuum Pump Oil 5 lt.
Code 5070200100

NEW

Battioni Pagani Flushing Fluid 5 lt.
Code 5070200102

Customized Painting

OPTIONALS

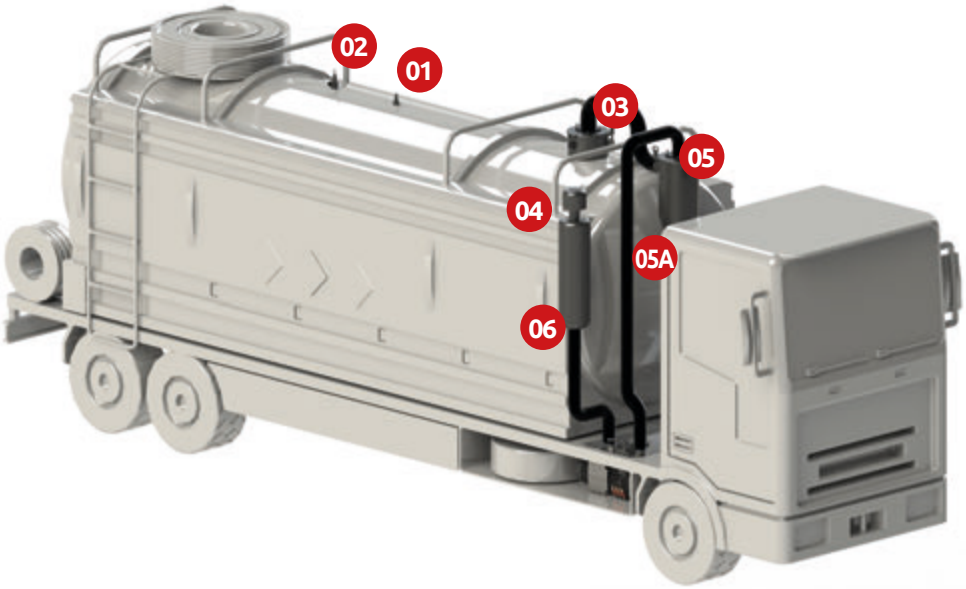
Pump Controller

Pump Active Controller

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



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 - ¾"
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

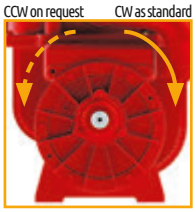
More than 500.000 MEC pumps have been put in operation to empty cesspits and transport slurry in agricultural and industrial applications.
The reliability and strength of the MEC is the result of continuous design and manufacturing improvements accomplished during 40 years of deployments.

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

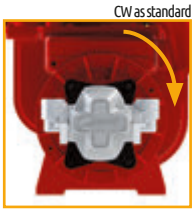
VERSIONS

NEW



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

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



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	HM	P/H					P	H	HM
MEC 5000	369	6150	217	600	1400	2,5 (36)	94% (28,0")	60% (18")	11 (14,7)	121	136	132
MEC 6500	420	7000	247	600	1400	2,5 (36)	94% (28,0")	60% (18")	12,5 (16,7)	139	154	150
MEC 8000	486	8100	286	600	1400	2,5 (36)	94% (28,0")	60% (18")	16 (21,4)	151	167	162

OPTIONALS

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

Side Outlet
With two revolving elbows

Revolving Elbow
Ø 60 mm /
Ø 76 mm (3") /
Ø 80 mm

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

NEW

Flushing Kit
Code 6080200325

Battioni Pagani Vacuum Pump Oil 5 lt.
Code 5070200100

NEW

Battioni Pagani Flushing Fluid 5 lt.
Code 5070200102

Customized Painting

OPTIONALS

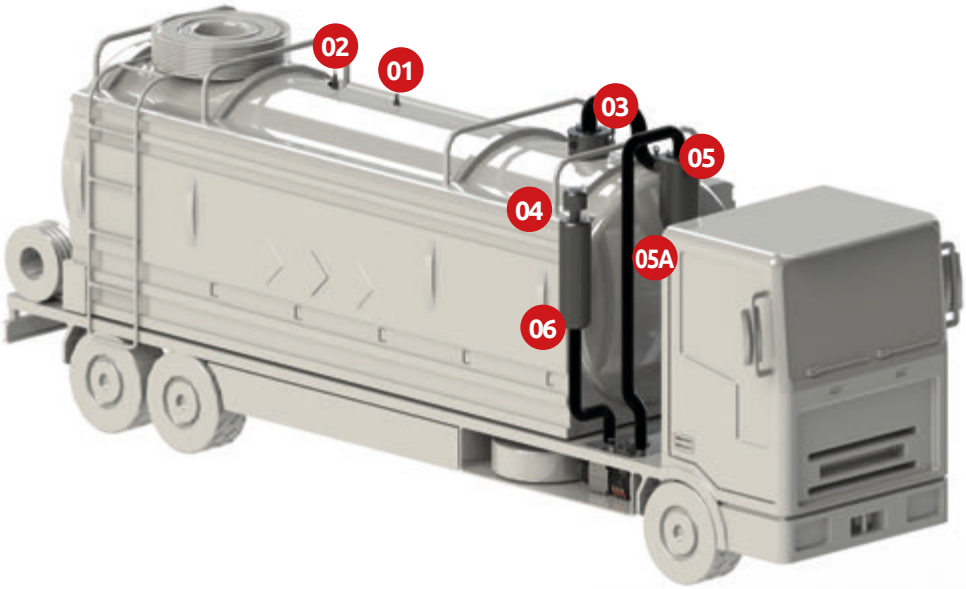
Pump Controller

Pump Active Controller

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"1/2
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



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

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

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

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

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

Discharge Valve - ¾"
Code 5040200006
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

Predisposition for overpressure valve

Predisposizione per valvola di sovrapressione

Vorbereitung für Überdruckventil

Selector vacuum - pressure

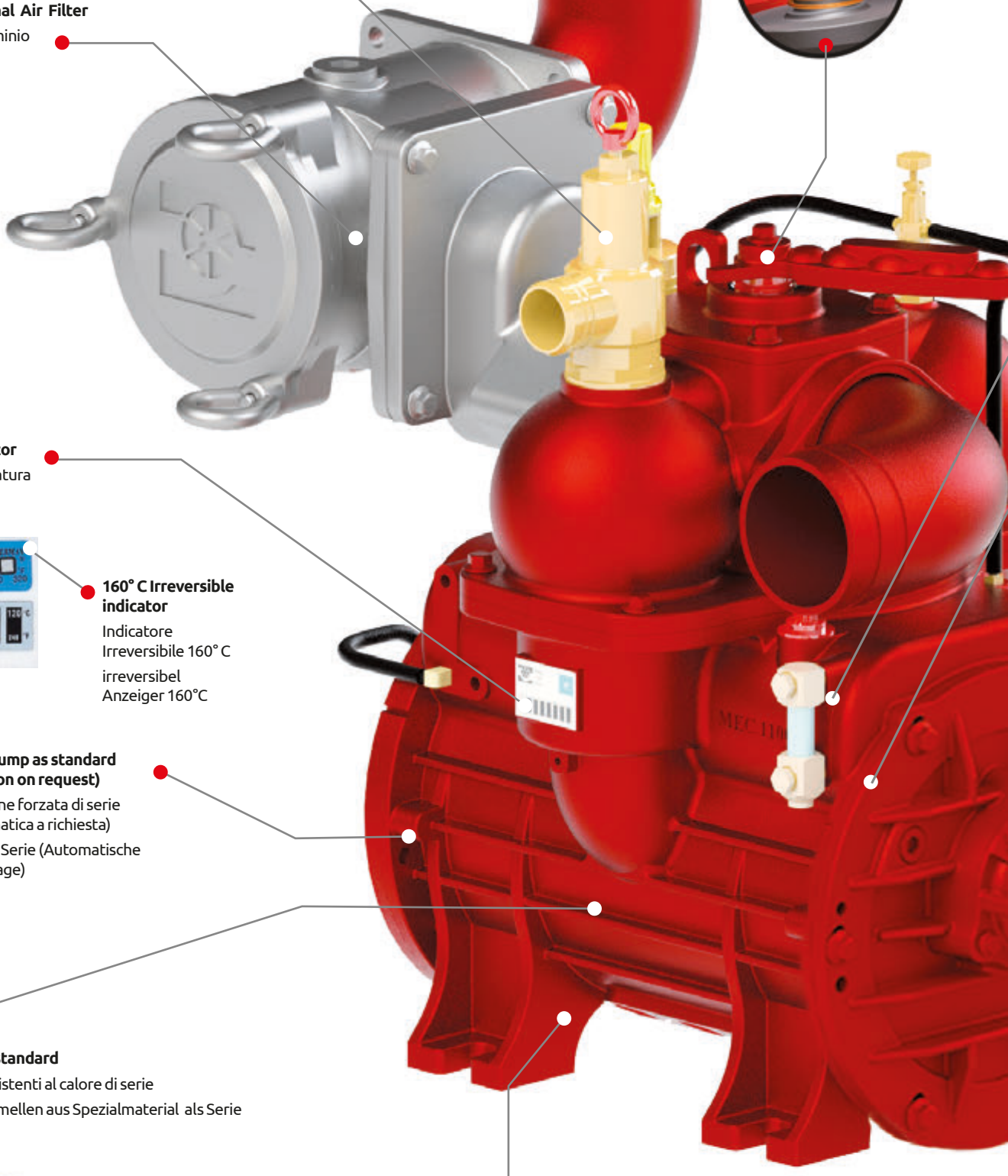
Selettore Vuoto - Pressione

Wähler von Vakuum/Druck

Kit Aluminum Final Air Filter

Kit filtro aria alluminio

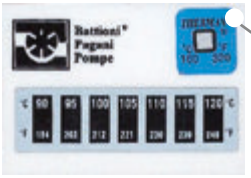
Saugfilter Satz



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

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

Cooling

AIR COOLED ROTARY VANES VACUUM/PRESSURE PUMP

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

VERSIONS

MEC - P

MEC - H

The picture is only for informative pourpose.
See the table on page 81 for the complete list of the available optionals.

MEC II
9000 - 11000 - 13500

Battioni® Pagani
Setting the pace since 1953

MEC II – The Legend continues

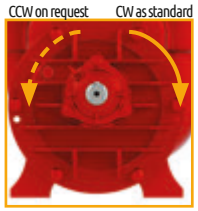
Designed in cooperation with SPRInT, the Team of Engineering and Research of the Department of Industrial Engineering at the University of Parma, the MEC II pump represents a technology breakthrough resulted from a major joint effort in product **development and innovative design processes**.
The MEC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

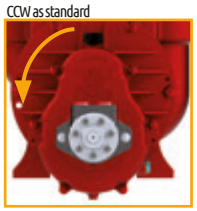
VERSIONS

CCW on request CW as standard



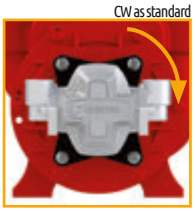
Version P
Smooth Cylindrical shaft,
Ø 32, lenght 63 mm
Parallel key UNI 6604

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 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	HM	P/H					P	H	HM
MEC II 9000	541,8	9030	319	600	1400	2,5 (36)	95% (28,5")	60% (18")	17 (22,8)	131	154	146
MEC II 11000	668,22	11137	393	600	1400	2,5 (36)	95% (28,5")	60% (18")	21 (28,2)	146	170	161
MEC II 13500	830,7	13845	489	600	1400	2,5 (36)	95% (28,5")	60% (18")	25 (33,5)	164	205	179

OPTIONALS

Automatic Lubrication
Double lubrication points

Kit Aluminum Final Air Filter 1300
Code 6080200290

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

Kit Vacuum Relief Valve For Revolving Elbow
Code 6080200181

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

Hydraulic Changeover
Code 6080200176

Hydraulic Revolving Changeover
Code 5090000078

Pneumatic Revolving Changeover
Code 6080200238

Pneumatic Revolving Changeover - 3 Positions
Code 6080200293

NEW

Flushing Kit
Code 6080200325

Battioni Pagani Vacuum Pump Oil 5 lt.
Code 5070200100

NEW

Battioni Pagani Flushing Fluid 5 lt.
Code 5070200102

OPTIONALS

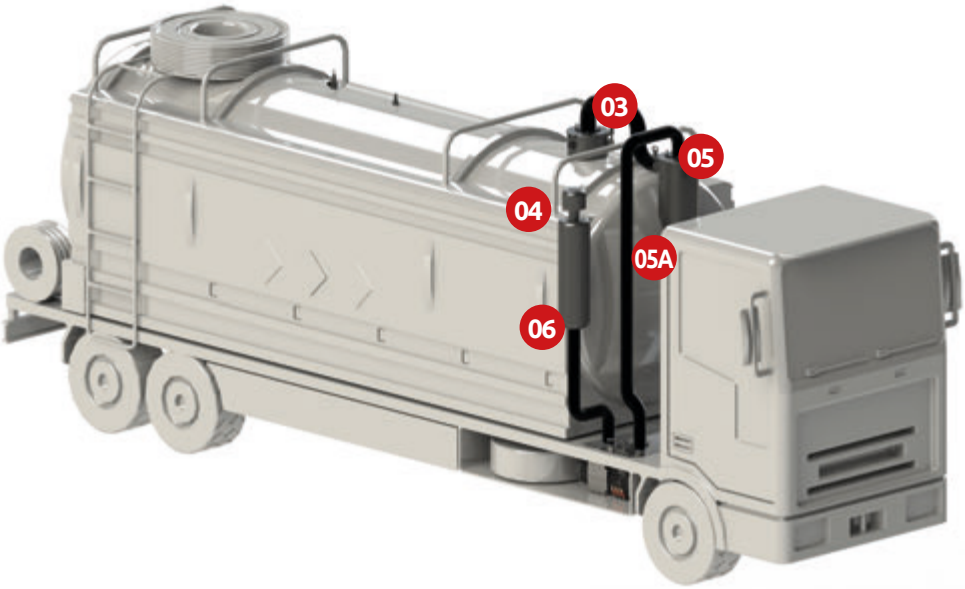
Pump Controller

Pump Active Controller

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

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

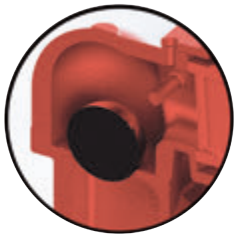
Gauge – Ø 80 mm Axial Connection
Code 5101700007
To be fitted on Secondary valve

Kit Aluminum Final Air Filter
Kit filtro aria alluminio
Saugfilter Satz

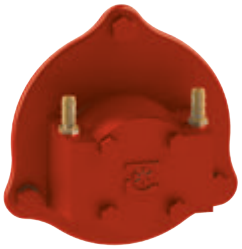
Selector vacuum - pressure
Selettore Vuoto - Pressione
Sélecteur vide-pression

Predisposition for overpressure valve
Predisposizione per valvola di sovrapressione
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)



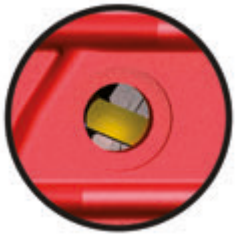
High wearing resistance thanks to cast-iron with high hardness
Elevata resistenza ad usura grazie a ghisa ad alta durezza.
Hohe Festigkeit zu Abnutzung für Gußeisen mit hohe Härte

Cooling

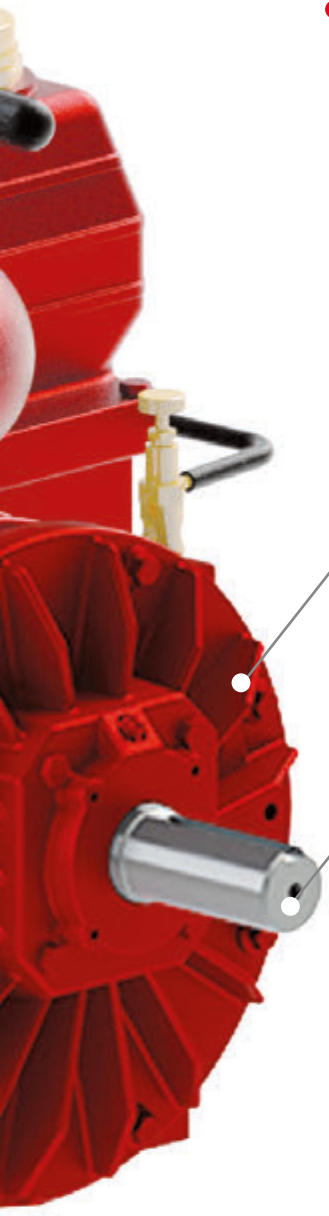
AIR COOLED
ROTARY VANES
VACUUM/PRESSURE
PUMP

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 - P

STAR - H

The picture is only for informative pourpose.
See the table on page 81 for the complete list of the available optionals.

STAR
60 - 72 - 84

Battioni® Pagani
Setting the pace since 1953

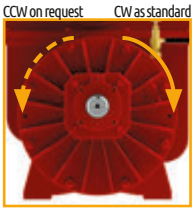
STAR – Power and efficiency

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.

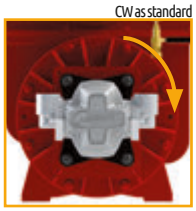
STANDARD FEATURES

- 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



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



Version H
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					P	H
STAR 60	640,8	10680	377,1	1200	2,5 (36)	95% (28,5")	60% (18")	19 (25,5)	200	236
STAR 72	712,2	11870	419,2	1200	2,5 (36)	95% (28,5")	60% (18")	21 (28,2)	216	252
STAR 84	865,2	14420	509,2	1200	2,5 (36)	95% (28,5")	60% (18")	25 (33,5)	241	277

OPTIONALS

Automatic Lubrication
Double lubrication points

Kit Aluminum Final Air Filter 1300
Code 6080200290

Side Outlet With Two Revolving Elbows

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

Hydraulic Revolving Changeover
Code 5090000078

Pneumatic Revolving Changeover
Code 6080200238

Pneumatic Revolving Changeover - 3 Positions
Code 6080200293

Hydraulic Changeover
Code 6080200176

Customized Painting

NEW

Flushing Kit
Code 6080200325

Battioni Pagani Vacuum Pump Oil 5 lt.
Code 5070200100

NEW

Battioni Pagani Flushing Fluid 5 lt.
Code 5070200102

OPTIONALS

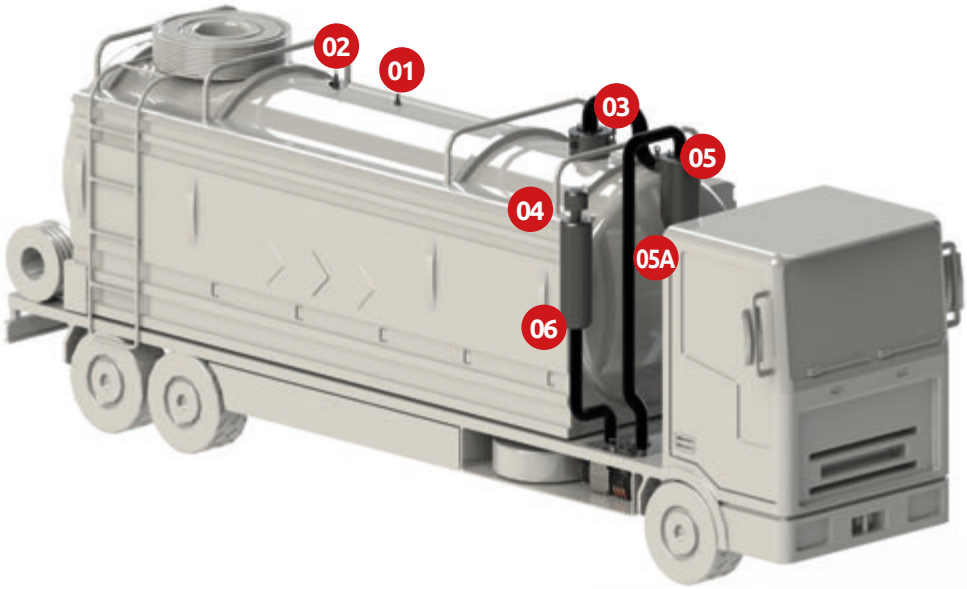
Pump Controller

Pump Active Controller

ACCESSORIES

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
STAR 60-Ø80
Code 5090000026
STAR 72-84-ø100
Hose connection:
Ø 80/100 mm
Weight: 9,5/13 kg



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

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

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

Secondary valve – Two balls
Code 6100200035 - Ø 76
Code 6100200021 - Ø 80
Code 6100200022 - Ø 100
Weight: 35,6 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
Weight: 13,8/13,9 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

Predisposition for overpressure valve

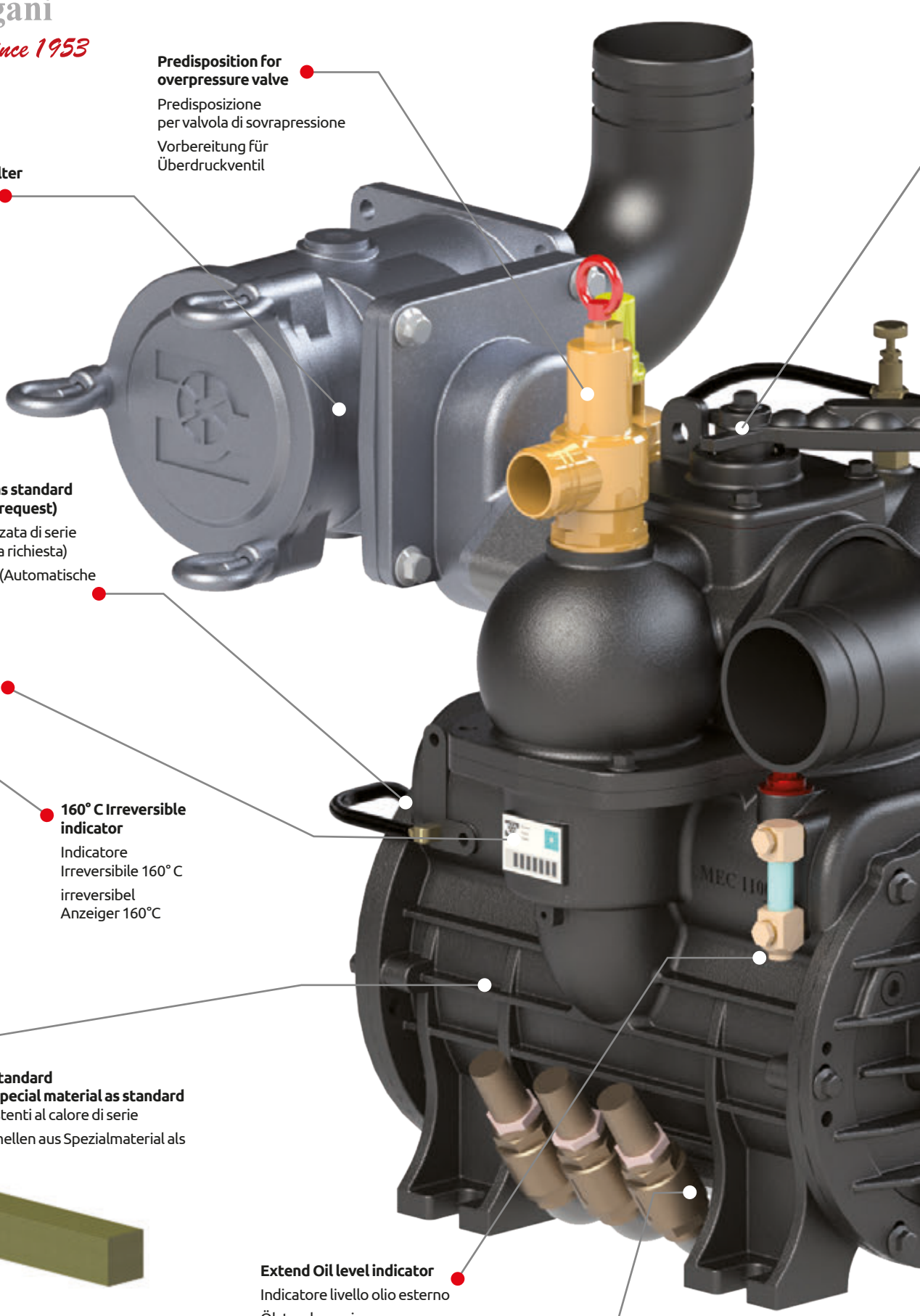
Predisposizione per valvola di sovrapressione

Vorbereitung für Überdruckventil

Kit Aluminum Final Air Filter

Kit filtro aria alluminio

Saugfilter Satz



Forced lubrication pump as standard (automatic lubrication on request)

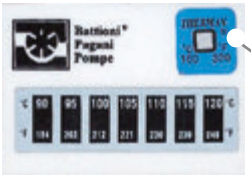
Pompa di lubrificazione forzata di serie (lubrificazione automatica a richiesta)

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

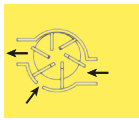
Injektion der Luftkühlung

Cooling

AIR INJECTION COOLED - ROTARY VANES VACUUM/ PRESSURE PUMP

BALLAST

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

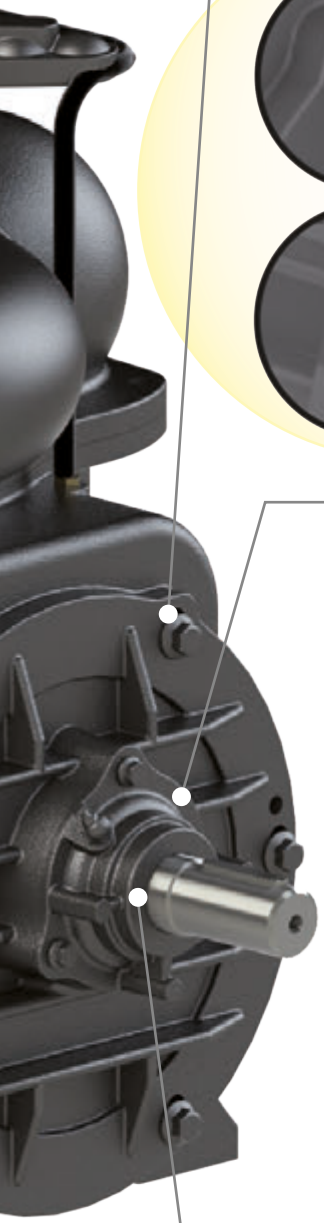


Selector vacuum - pressure
Selettore Vuoto - Pressione
Wähler von Vakuum/Druck

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 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

BALLAST - P

BALLAST - H

Air injection cooled - Rotary Vanes Vacuum/ Pressure pump

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

BALLAST
3500 - 4500 - 6000 - 7500

Battioni® Pagani
Setting the pace since 1953

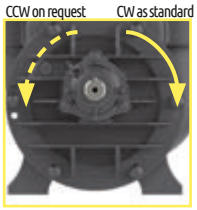
BALLAST – Built to last

The BALLAST pump represents a technology breakthrough resulted from a major joint effort in product development and innovative design processes.
The BALLAST 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. The BALLAST II pump is equipped with the latest automatic **air injection cooling system** to enable continuous operation at 70% range of vacuum.
The BALLAST is the ideal pump for heavy duty applications.

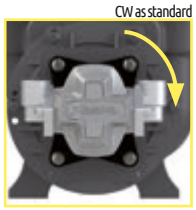
STANDARD FEATURES

- 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



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



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	P/H					P	H
BALLAST 3500	217,3	3621	128	1400	2,5 (36)	92% (27,2")	70% (21")	8 (10,7)	86	100
BALLAST 4500	275,6	4593	162	1400	2,5 (36)	92% (27,2")	70% (21")	10 (13,4)	96	111
BALLAST 6000	371,0	6183	218	1400	2,5 (36)	94% (28,0")	70% (21")	12 (16,1)	111	126
BALLAST 7500	455,8	7596	268	1400	2,5 (36)	94% (28,0")	70% (21")	14 (18,8)	129	145

OPTIONALS

Automatic Lubrication
Double lubrication points

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

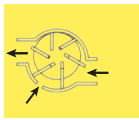
Battioni Pagani Flushing Fluid 5 lt.
Code 5070200102

Flushing Kit
Code 6080200325

Pump Controller

Pump Active Controller

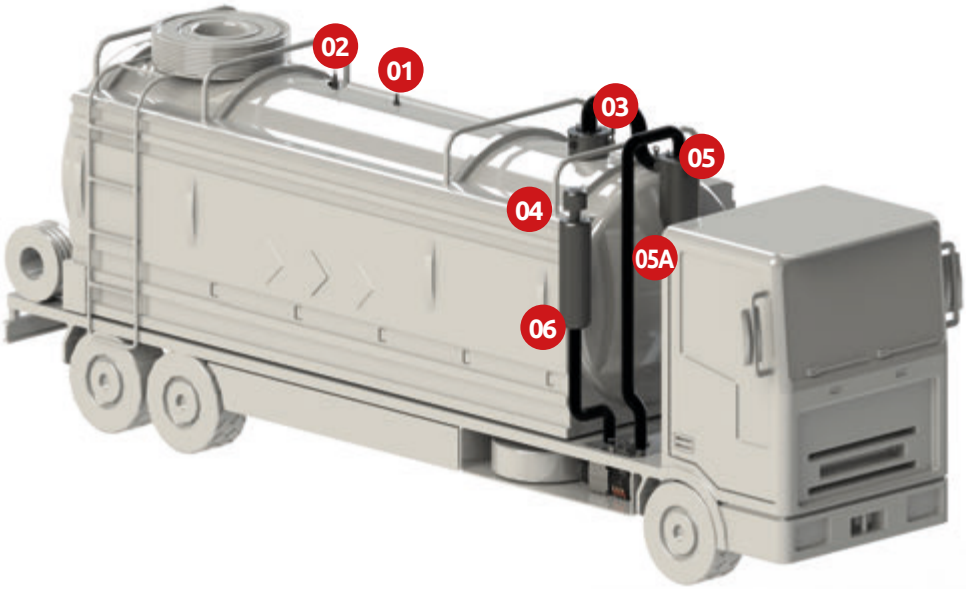
Customized Painting



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



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 - ¾"
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

Battioni® Pagani
Setting the pace since 1953

BALLAST – Built to last

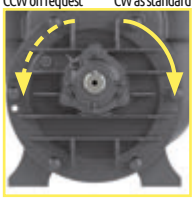
The BALLAST pump represents a technology breakthrough resulted from a major joint effort in product development and innovative design processes.
The BALLAST features the **Crash Protection System**: a sliding flanges protection mechanism that prevents the housing or rotor to break of in case of vanes crash. The pump is easily repairable inexpensively in field. The BALLAST II pump is equipped with the latest automatic **air injection cooling system** to enable continuous operation at 70% range of vacuum.
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")

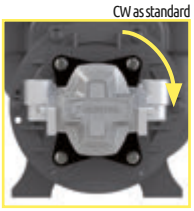
VERSIONS

CCW on request CW as standard



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

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	P/H					P	H
BALLAST 9000	541,8	9030	319	1400	2,5 (36)	95% (28,5")	70% (21")	17 (22,8)	131	154
BALLAST 11000	668,22	11137	393	1400	2,5 (36)	95% (28,5")	70% (21")	21 (28,2)	146	170
BALLAST 13500	830,7	13845	489	1400	2,5 (36)	95% (28,5")	70% (21")	25 (33,5)	164	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

Kit Vacuum Relief Valve For Revolving Elbow
Code 6080200181

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

Hydraulic Changeover
Code 6080200176

Hydraulic Revolving Changeover
Code 509000078

Pneumatic Revolving Changeover
Code 6080200238

Pneumatic Revolving Changeover - 3 Positions
Code 6080200293

NEW

Flushing Kit
Code 6080200325

Battioni Pagani Vacuum Pump Oil 5 lt.
Code 5070200100

NEW

Battioni Pagani Flushing Fluid 5 lt.
Code 5070200102

BALLAST
9000 - 11000 - 13500

OPTIONALS

Customized Painting

NEW

Pump Controller

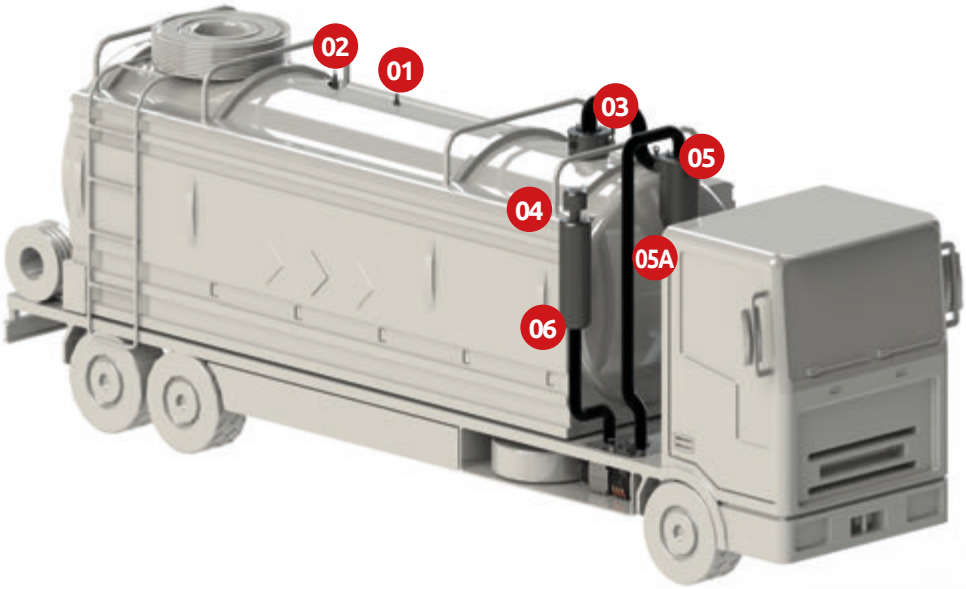
NEW

Pump Active Controller

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



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
BALLAST13500

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

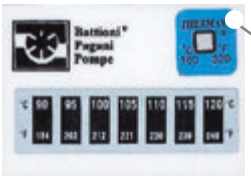
Gauge – Ø 80 mm Axial Connection
Code 5101700007
To be fitted on Secondary valve

Non-return valve
Valvola di non ritorno
Kontrollventil als Serie

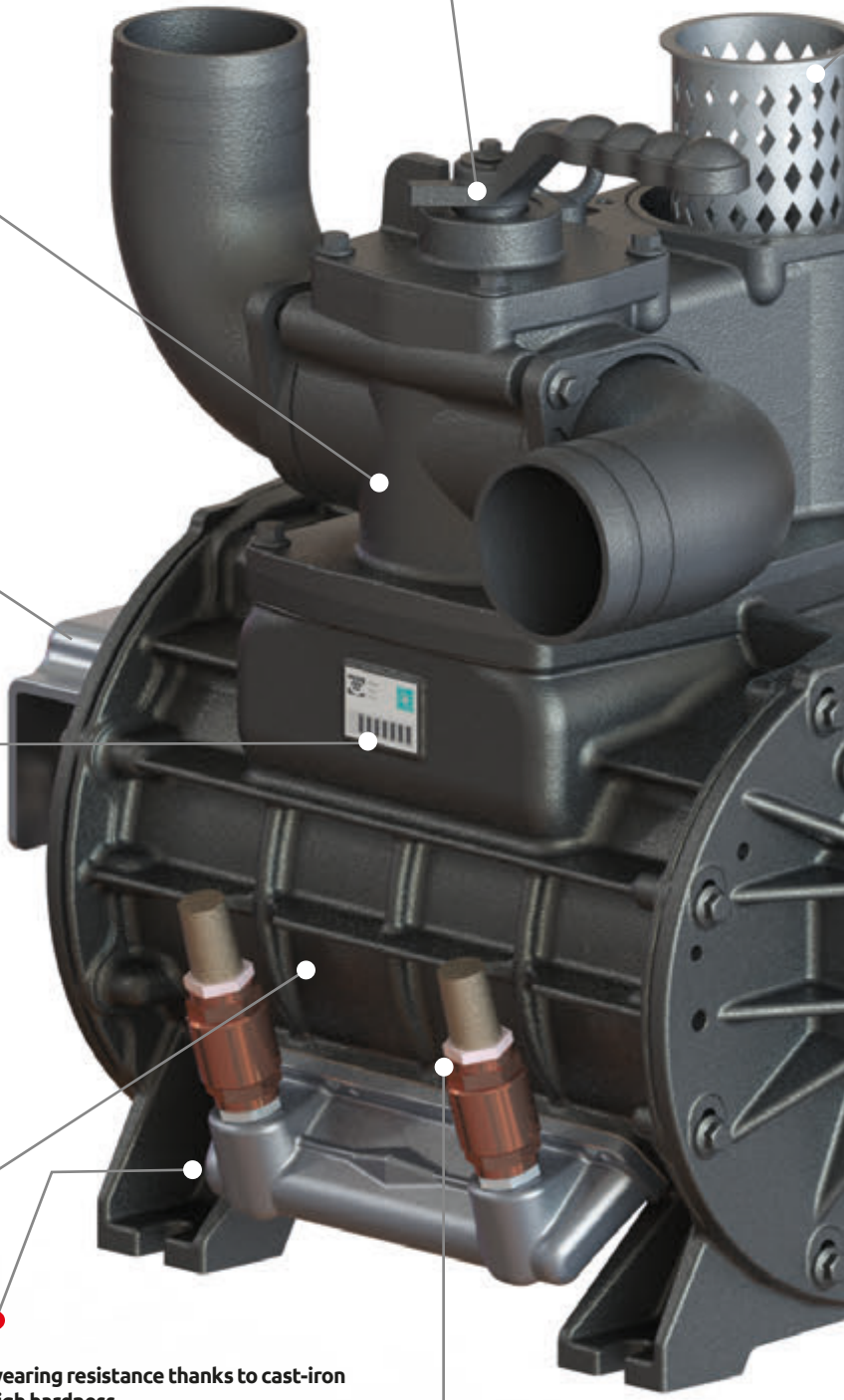
Selector vacuum - pressure
Selettore Vuoto - Pressione
Wähler von Vakuum/Druck

Automatic lubrication pump as standard
Pompa di lubrifi cazione 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

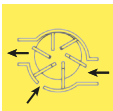


Long Life blades as standard
Palette "long life" resistenti al calore di serie
Hitzebeständigen Lamellen aus Spezialmaterial als Serie

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

Cooling



AIR INJECTION COOLED - ROTARY VANES VACUUM/ PRESSURE PUMP

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

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

External Side oil tank

Serbatoio olio laterale

Externe Seitenöltank

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

VERSIONS

BALLAST - P

BALLAST - H

Air injection cooled - Rotary Vanes Vacuum/ Pressure pump

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

BALLAST
16000

Battioni® Pagani
Setting the pace since 1953

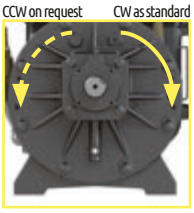
BALLAST – Built to last

The BALLAST pump represents a technology breakthrough resulted from a major joint effort in product development and innovative design processes.
The BALLAST 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. The BALLAST II pump is equipped with the latest automatic **air injection cooling system** to enable continuous operation at 70% range of vacuum.
The BALLAST is the ideal pump for heavy duty applications.

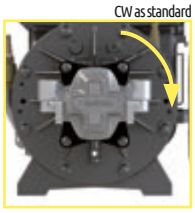
STANDARD FEATURES

- 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



Version P
Smooth Cylindrical shaft,
Ø 40, lenght 89 mm
Parallel key UNI 6604



Version H
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					P	H
BALLAST 16000	916	15270	539		1400	2,5 (36)	95% (28,5")	70% (21")	33 (44,2)	210	247

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

NEW

Pump Controller

NEW

Pump Active Controller

Customized Painting

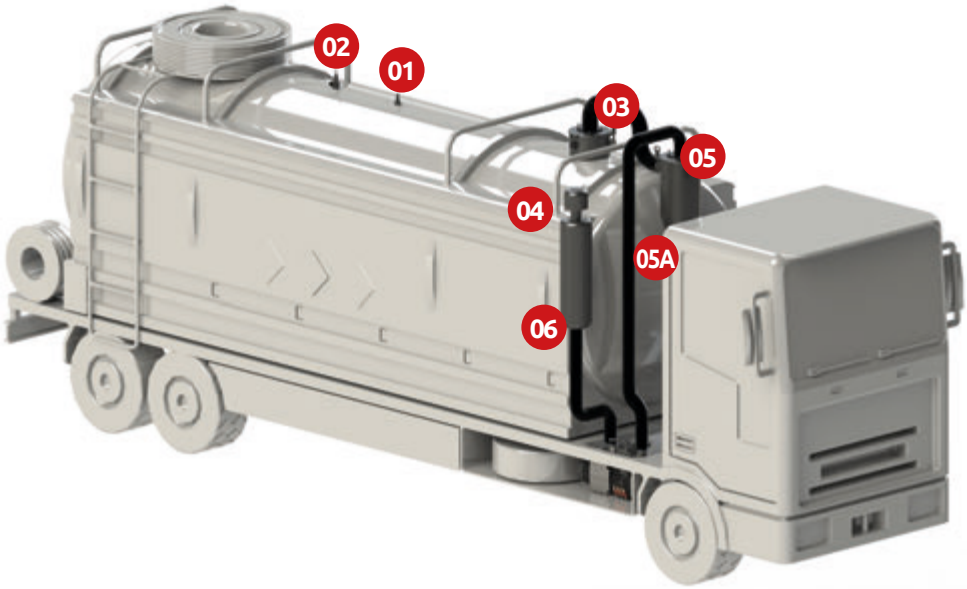
ACCESSORIES

01 Vacuum Relief Valve 1"1/2
Code 5100200012
Setting range:
-0.3 bar / -0,8 bar
Working temperature:
-20°C / +90°C
Thread: 1"1/2
Weight: 0,65 kg

02 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



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

04A Rain Cap
Code 5090000062
BALLAST 16000
Weight: 0,4 kg

04B Pre-Filter
Code 5090000047
BALLAST 16000

03A Valve – Two Balls
Code 6100200030-Ø76
Code 6100200025-Ø80
Code 6100200026-Ø100
Iron ring to be welded
Weight: 13,9/14,0 kg

03B Valve – One SS Ball
Code 6100200027 - Ø80 SS
Code 6100200028 - Ø100 SS
Ball material: AISI 316
Iron ring to be welded

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

05A Discharge Valve - 1"
Code 5040200014

Discharge Valve - 1" 1/4
Code 5040200016

To be fitted on Secondary valve

05B Gauge – Ø 80 mm Axial Connection
Code 5101700007
To be fitted on Secondary valve

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

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

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

Automatic lubrication pump as standard
Pompa di lubrifi cazione 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 as standard
Iniezione aria di raffreddamento di serie
Injektion der Luftkühlung als Serie

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

Cooling

DOUBLE FAN + AIR INJECTION COOLED RVP

FAN
420 - 530

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

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

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

VERSIONS

FAN - H

FAN - P

Double Fan + Air Injection cooled RVP

INDUSTRIAL GRADE

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

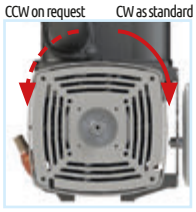
FAN-Cooling

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.

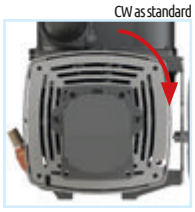
STANDARD FEATURES

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

VERSIONS



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



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					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

NEW

Pump Controller

NEW

Pump Active Controller

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

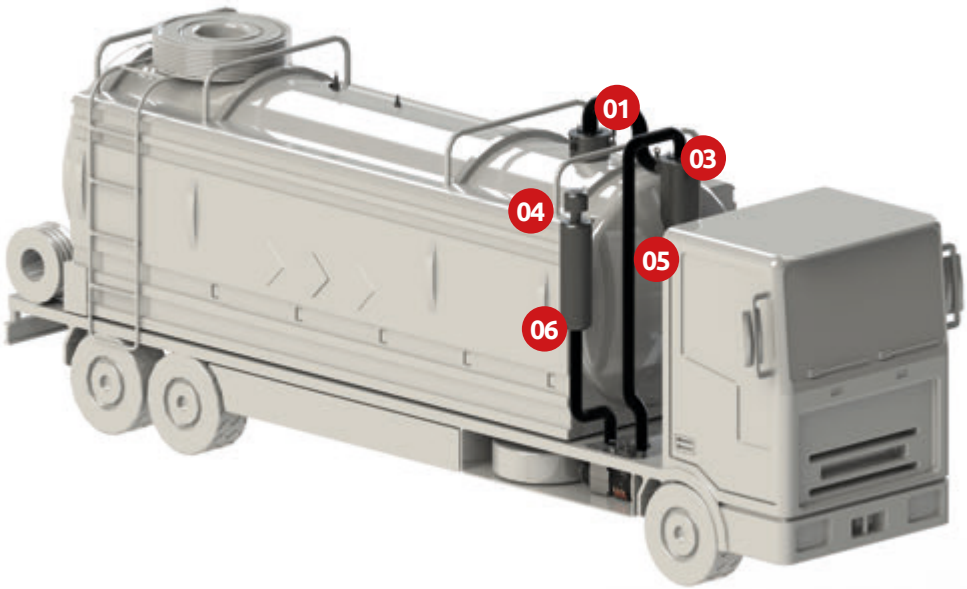
Overpressure Safety Valve - 2"
Code 5100200011
Setting range:
+0,3 bar / +1,5 bar
Working temperature:
-20°C / +90°C
Thread: 2"
Weight: 1,2 kg

01A

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

01B

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



06

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

04A

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

04B

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

03A

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

03B

Cyclon valve –1100 SS
Code 6100200034
- Ø100
Housing: AISI 304
Cover: aluminum
Weight: 35 kg

03C

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

05A

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

05B

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

Double Fan + Air Injection cooled RVP

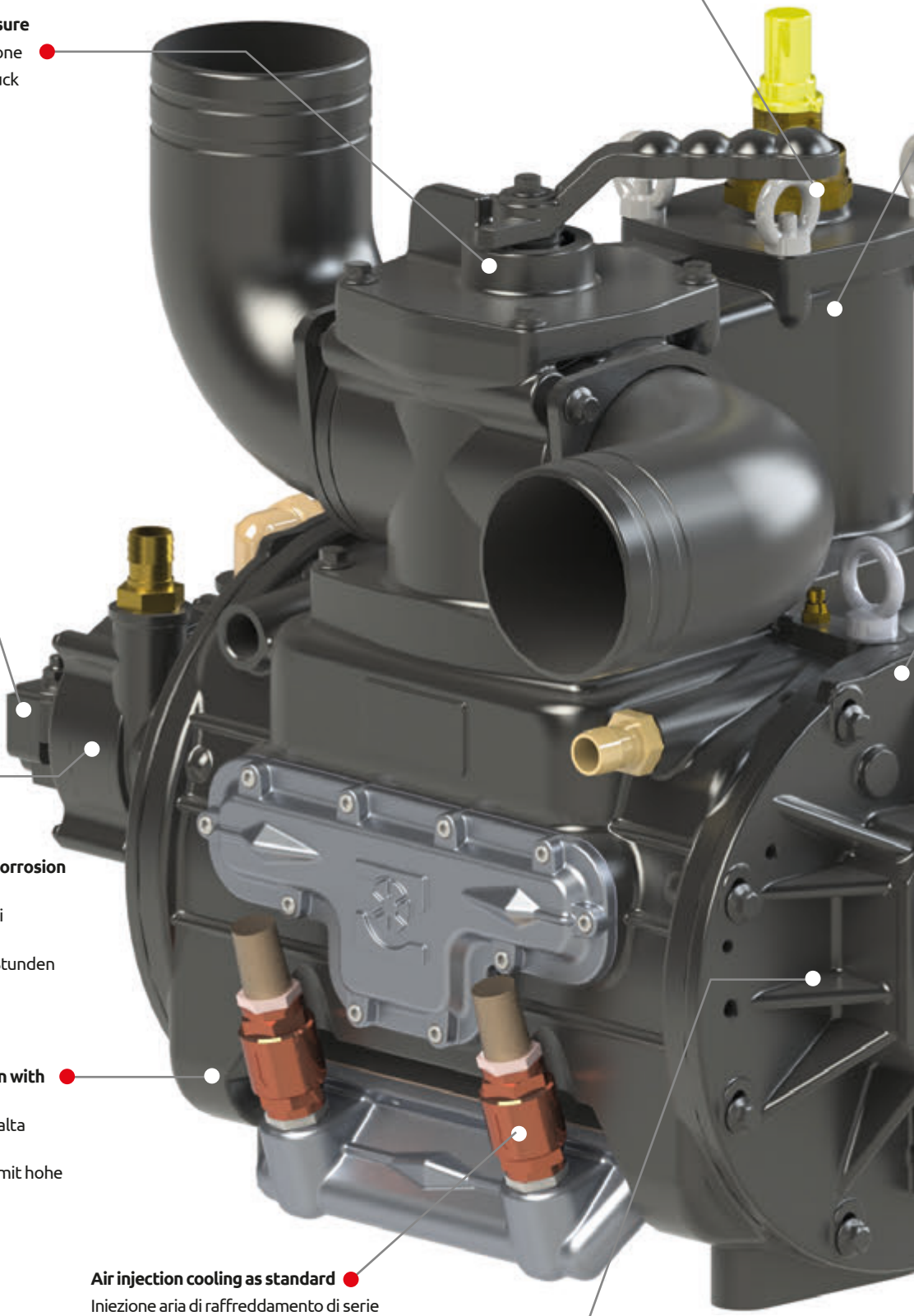
Battioni ®
Pagani

Setting the pace since 1953

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

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

Automatic lubrication pump as standard
Pompa di lubrifi cazione 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

Air injection cooling as standard
Iniezione aria di raffreddamento di serie
Injektion der Luftkühlung als Serie

Cooling

LIQUID + AIR INJECTION COOLED RVP

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

KPS
490 - 550 - 670

NEW

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

ExternalSide oil tank as standard

Serbatoio olio laterale di serie

Externe Seitenöltank als Serie

Blades inspection hole

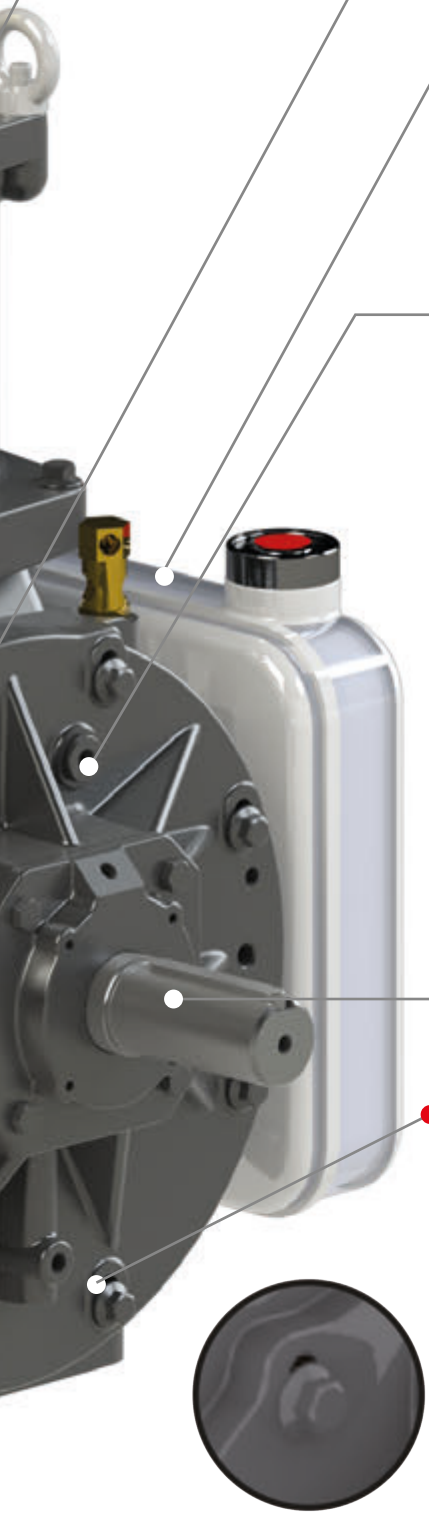
Foro ispezione palette

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 Slotsblaettern falls Materialschmierung oder Palettenbruch

VERSIONS

KPS - P

KPS - H

Liquid + Air Injection cooled RVP

INDUSTRIAL GRADE

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

KPS
490 - 550 - 670

Battioni® Pagani
Setting the pace since 1953

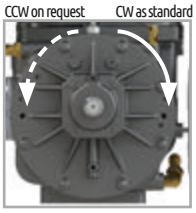
KPS

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

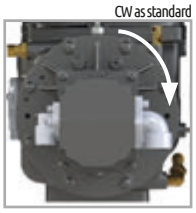
STANDARD FEATURES

- 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 Air Injection cooling.
- Available hoses connections: Ø 76 mm (3") / Ø 80 mm / Ø 100 mm (4") / Ø 120 mm

VERSIONS



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 H
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					P	H
KPS 490	811	13520	477	1400	2.5 (36)	95% (28,5")	95% (28,5")	25 (33,5)	205	242
KPS 550	916	15270	539	1400	2.5 (36)	95% (28,5")	95% (28,5")	33 (44,2)	216	253
KPS 670	1117	18620	657	1400	2.5 (36)	95% (28,5")	95% (28,5")	45 (60,3)	245	282

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

NEW

Pump Controller

NEW

Pump Active Controller

Customized Painting

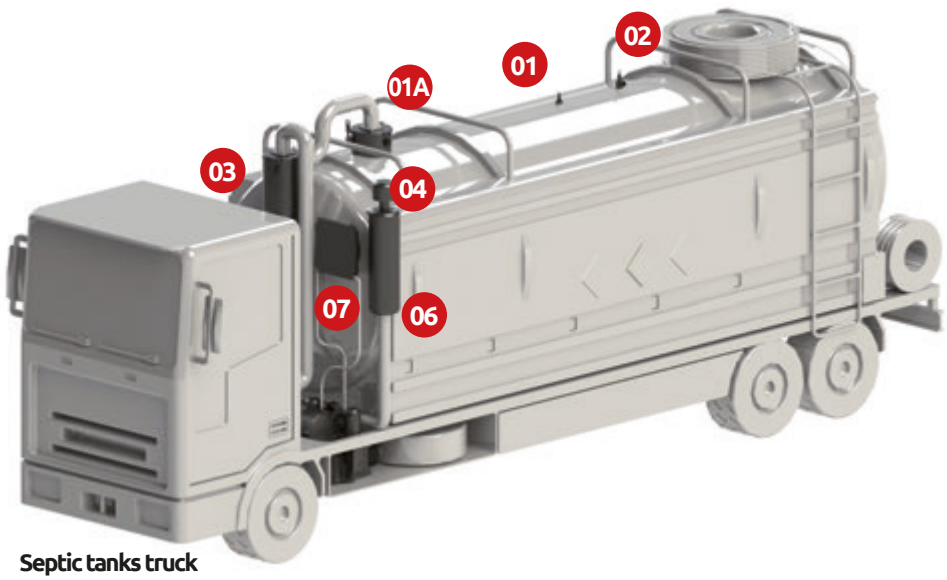
Vacuum Relief Valve 1"1/2
Code 5100200012
Setting range:
-0.3 bar / -0,8 bar
Working temperature:
-20°C / +90°C
Thread: 1"1/2
Weight: 0,65 kg

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



Septic tanks truck

Filter – Silencer
Code 5090000026
KPS - Ø 100
Code 5090000025
KPS - Ø 80
Weight: 13 kg

Rain Cap
Code 5090000062
KPS - Ø 100
Code 5090000061
KPS - Ø 80
Weight: 0,4 kg

Pre - filter
Code 5090000047
KPS - Ø 100
Code 5090000046
KPS - 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

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

Depression valve as standard
Valvola di regolazione vuoto di serie
Unterdruckventil als Serie

Overpressure valve as standard
Valvola di sovrapressione di serie
Überdruckventil als Serie

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

Automatic lubrication pump as standard
Pompa di lubrifi cazione 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

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

Cooling

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

ExternalSide 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 fi xed 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 - PFR

WPT - HFR

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

WPT
600 - 720

Battioni® Pagani
Setting the pace since 1953

WPT – The everlasting

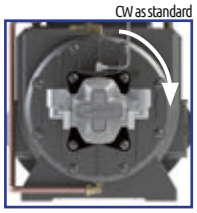
The WPT pump series features liquid cooled housing and flanges enabling continuous operation in vacuum and in pressure modes.
The WPT has been designed with no structural strength compromises: cast iron housing walls are 35mm thick!
The WPT oversized robust construction makes this pump ideal for heavy duty applicatio 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 o relief valve, overpressure valve long life blades.
- Available hoses connections: Ø 76 mm (3") / Ø 80 mm / Ø 100 mm (4")

VERSIONS

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



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	PFR/HFR					PFR	HFR
WPT 600	708	11800	416,7	1200	2.5 (36)	95% (28,5")	80% (24")	30 (40,2)	309	348
WPT 720	852	14200	501,4	1200	2.5 (36)	95% (28,5")	80% (24")	35 (46,9)	358	397

OPTIONALS

Kit Aluminum Final Air filter 1300
Code 6080200291

Hydraulic Revolving Changeover
Code 5090000078

Pneumatic Revolving Changeover
Code 6080200238

Pneumatic Revolving Changeover - 3 positions
Code 6080200293

Battioni Pagani Vacuum Pump Oil 5 lt.
Code 5070200100

Battioni Pagani Flushing Fluid 5 lt.
Code 5070200102

Flushing Kit
Code 6080200325

Pump Controller

Pump Active Controller

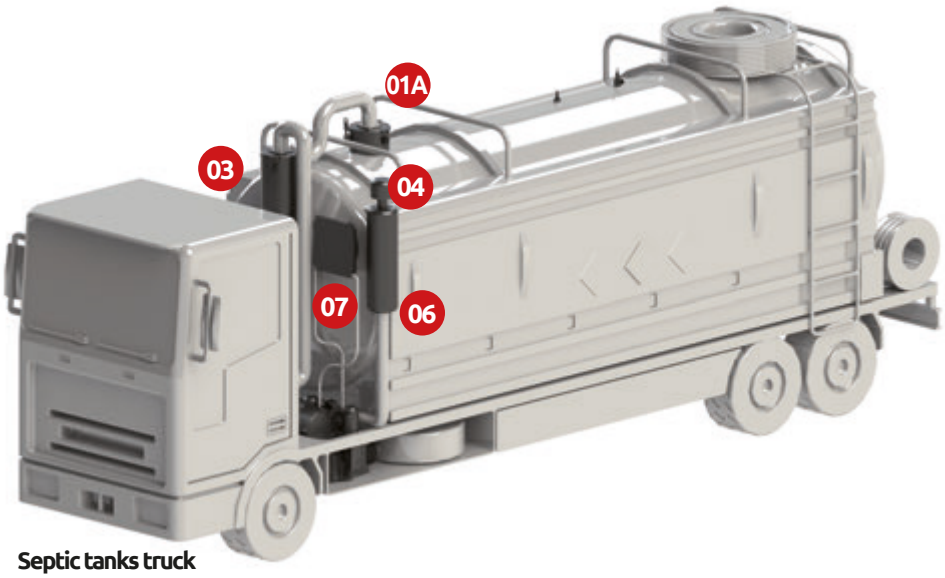
Customized Painting

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



Septic tanks truck

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

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

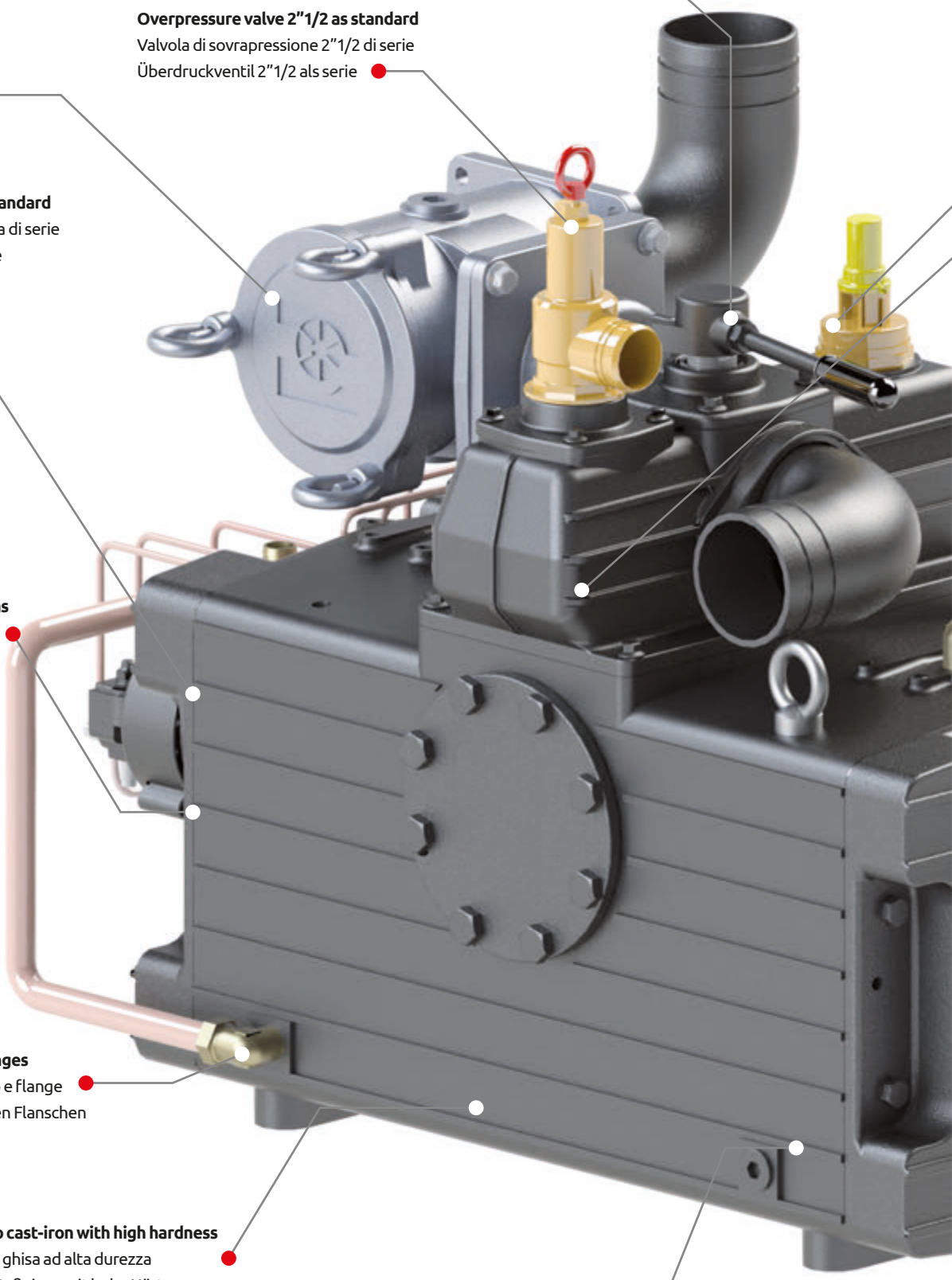
Air-Water Cooled with Thermostat
Code 5090000081 – 12V
Code 5090000082 – 24V
Weight: 17,8 kg

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

Overpressure valve 2"1/2 as standard
Valvola di sovrapressione 2"1/2 di serie
Überdruckventil 2"1/2 als serie

Kit Aluminum Final Air Filter
Kit filtro aria alluminio
Saugfilter Satz

Automatic lubrication pump as standard
Pompa di lubrifi cazione 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

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

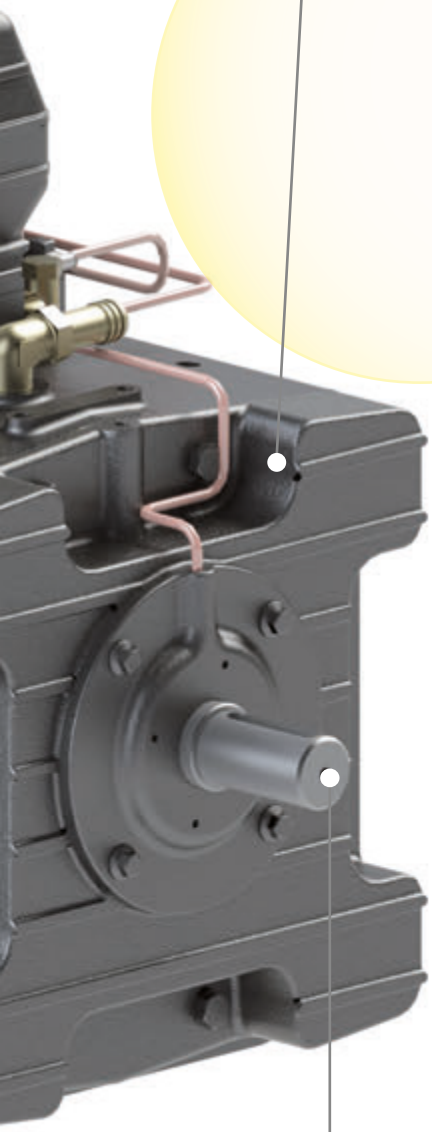
Cooling
LIQUID COOLED - ROTARY VANES VACUUM/PRESSURE PUMPS

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 Slotsblaettern falls Materialschmierung oder Palettenbruch



VERSIONS

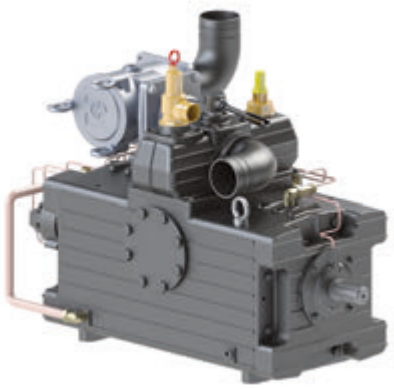
KTS - PFR

KTS - HFR

Rotor with steel pins fi xed 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

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

KTS – The Incredible

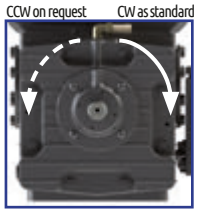


The KTS pump series features liquid cooled housing and flanges enabling continuous operation in vacuum and in pressure modes.
The KTS design assures maximum cooling thanks to the wide cooling liquid chambers and to the high flow capacity of the integrated water pump.
The KTS Crash Protection System prevents the housing or the rotor to break of 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.

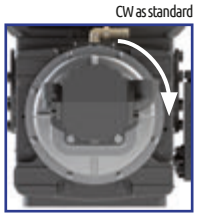
STANDARD FEATURES

- 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



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



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

	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 /HFR					PFR	HFR
KTS 1080	1080	18000	635,66	1200	2,5 (36)	95% (28,5")	95% (28,5")	45 (60,3)	433	475

OPTIONALS

Kit Aluminum Final Air filter 1300
Code 6080200290

Hydraulic Changeover
Code 6080200176

Hydraulic Revolving Changeover
Code 5090000078

Pneumatic Revolving Changeover
Code 6080200238

Pneumatic Revolving Changeover - 3 positions
Code 6080200293

Battioni Pagani Vacuum Pump Oil 5 lt.
Code 5070200100

NEW

Battioni Pagani Flushing Fluid 5 lt.
Code 5070200102

Flushing Kit
Code 6080200325

NEW

Pump Controller

NEW

Pump Active Controller

NEW

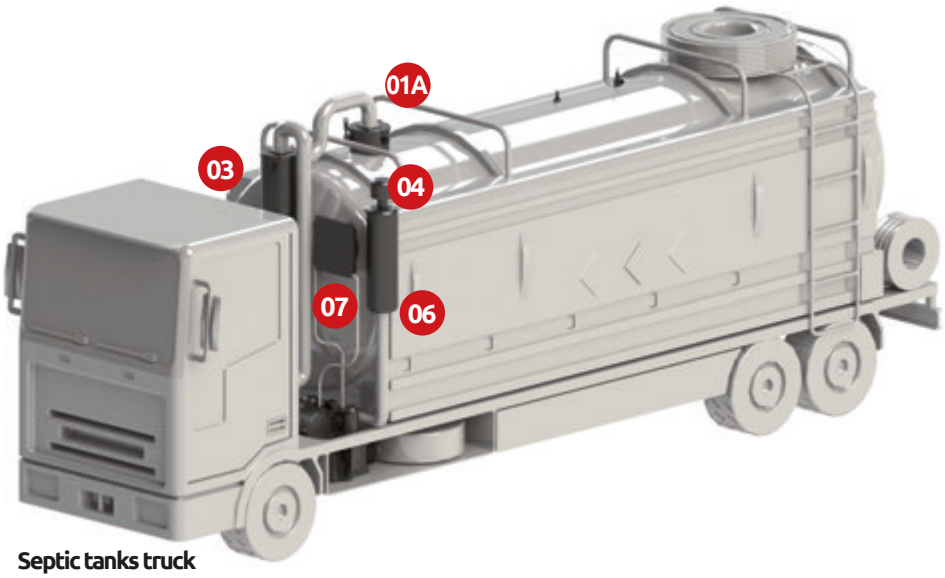
Customized Painting

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

Rain Cap
Code 5090000062
Weight: 0,4 kg



Septic tanks truck

Filter – Silencer
Code 5090000022
Hose connection: Ø 100 mm
Weight: 30 kg
Lenght: 1200 mm

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

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

Cyclon valve –1600
Code 6100200039 - Ø120
Housing: Galvanized Mild Steel
Cover: Steel
Ball: AISI 316 (Ø200)
Weight: 81,5 kg

Primary shut-off Valve
Code 6100200038 - Ø120
Housing: Galvanized Mild Steel
Cover: Steel
Ball: AISI 316 (Ø200)
Weight: 46,5 kg

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

Pulley with pneumatic clutch
Code
60880200041

Pneumatic Changeover
Attuatore pneumatico
Pneumatischer Trieb

Suction Unit
Gruppo aspirazione
Absauge Gruppe

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

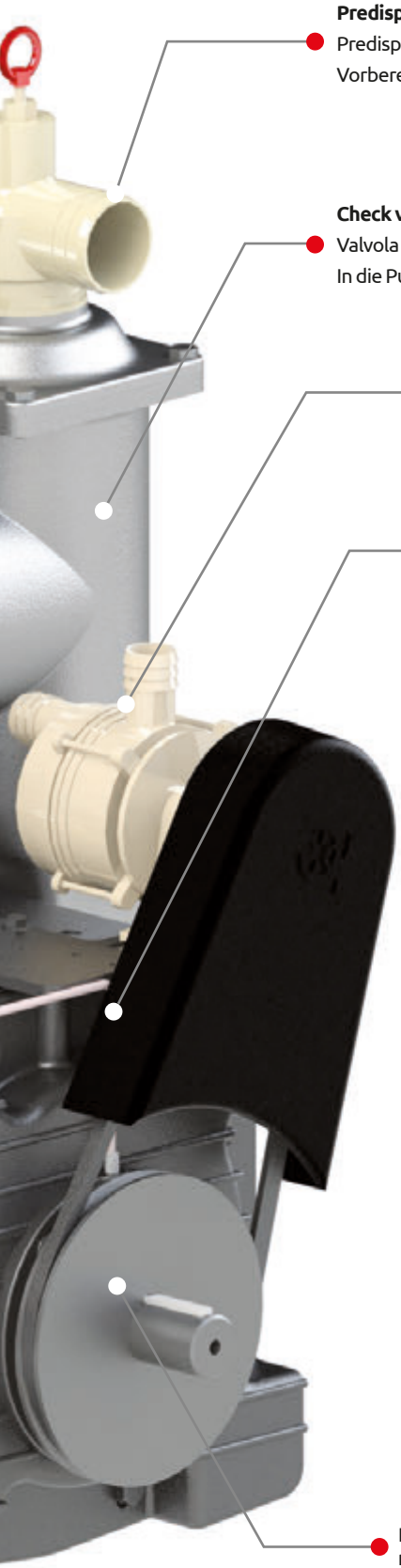
High wearing resistance thanks to cast-iron with high hardness
Elevata resistenza ad usura grazie a ghisa ad alta durezza
Hohe Festigkeit zu Abnutzung für Gußeisen mit hohe Härte

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

Cooling
LIQUID COOLED - ROTARY VANES VACUUM/PRESSURE PUMPS

KTM - WSM

KTM 1200 - 1500 - 1800 - 2300 / WSM 2700 - 3300



Predisposition for overpressure valve
Predisposizione per valvola di sovrapressione
Vorbereitung für Überdruckventil

Check valve (rubber ball) inside the pump
Valvola di ritegno (sfera in gomma) integrata nella pompa
In die Pumpe integriertes Rückschlagventil (Gummikugel)

Integrated Cooling pump as standard
Pompa di raffreddamento di serie
Kühlungspumpe als Serie

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

Rotor with steel pins fi xed 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

KTM - HFR

KTM - PFR

WSM - PFR

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

KTM – The Superpower

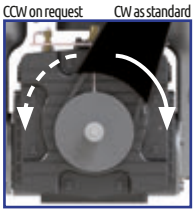
The KTM pump series features liquid cooled housing and flanges enabling continuous operation in vacuum and in pressure modes.
The KTM design assures maximum cooling thanks to the wide cooling liquid chambers and to the high flow capacity of the integrated water pump.
The KTM Crash Protection System prevents 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.

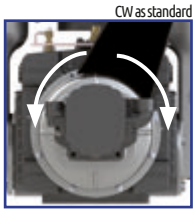
VERSIONS

CCW on request CW as standard



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

CW as standard



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	HFR					PFR	HFR
KTM 1200	1290	21500	759,27	1200	1200	2,5 (36)	95% (28,5")	95% (28,5")	35 (46,9)	391	430
KTM 1500	1594	26400	932,31	1200	1200	2,5 (36)	95% (28,5")	95% (28,5")	42 (56,3)	446	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

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

NEW

Pump Controller

NEW

Pump Active Controller

NEW

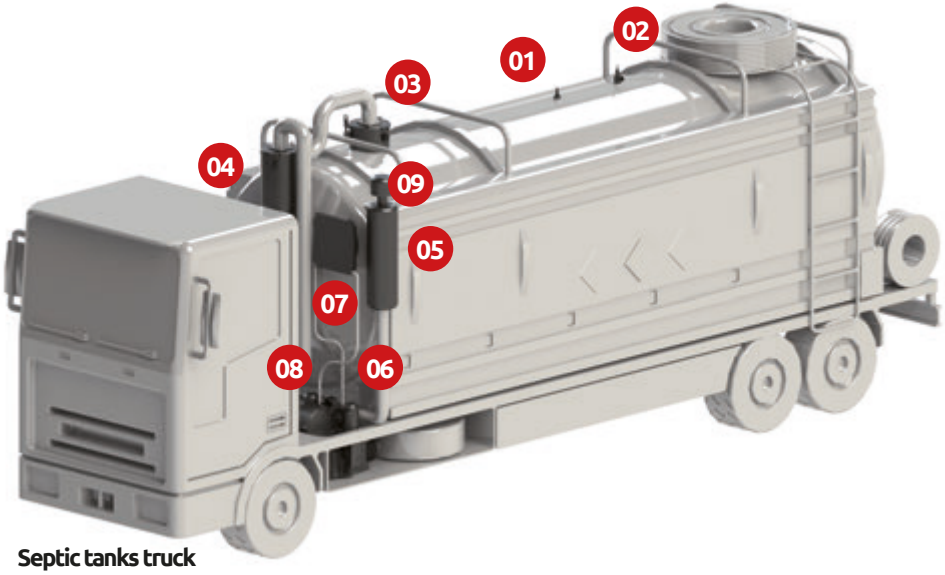
Customized Painting

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

Pulley with pneumatic clutch
Code
60880200041

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



Septic tanks truck

03C Primary shut-off Valve
Code 6100200038 - Ø120
Housing: Galvanized Mild Steel
Cover: Steel
Ball: AISI 316 (Ø200)
Weight: 46,5 kg

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 5090000022
Hose connection: Ø 100 mm
Weight: 30 kg
Lenght: 1200 mm

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" ½
Code 5040200015
To be fitted on Secondary valve

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

04B Cyclon valve –1600
Code 6100200039 - Ø120
Housing: Galvanized Mild Steel
Cover: Steel
Ball: AISI 316 (Ø200)
Weight: 81,5 kg

Cyclon valve –2300
Code 6100200040 - Ø150
Housing: Galvanized Mild Steel
Cover: Steel
Ball: AISI 316 (Ø200)
Weight: 81 kg

07 Air-Water Cooled with Thermostat
Code 5090000081
– 12V
Code 5090000082
– 24V
Weight: 17,8 kg

08 Aluminum Water filter
Code 6080200095

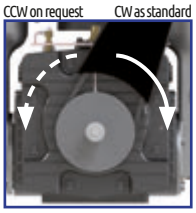
KTM – The Superpower

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.

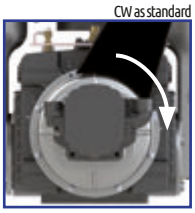
STANDARD FEATURES

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

VERSIONS



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



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	HFR					PFR	HFR
KTM 1800	1860	31000	1094,76	1200	1200	2,5 (36)	95% (28,5")	95% (28,5")	52 (69,7)	610	657
KTM 2300	2178	36300	1281,92	1200	1200	2,5 (36)	95% (28,5")	95% (28,5")	61 (81,7)	673	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

NEW

Pump Controller

NEW

Pump Active Controller

NEW

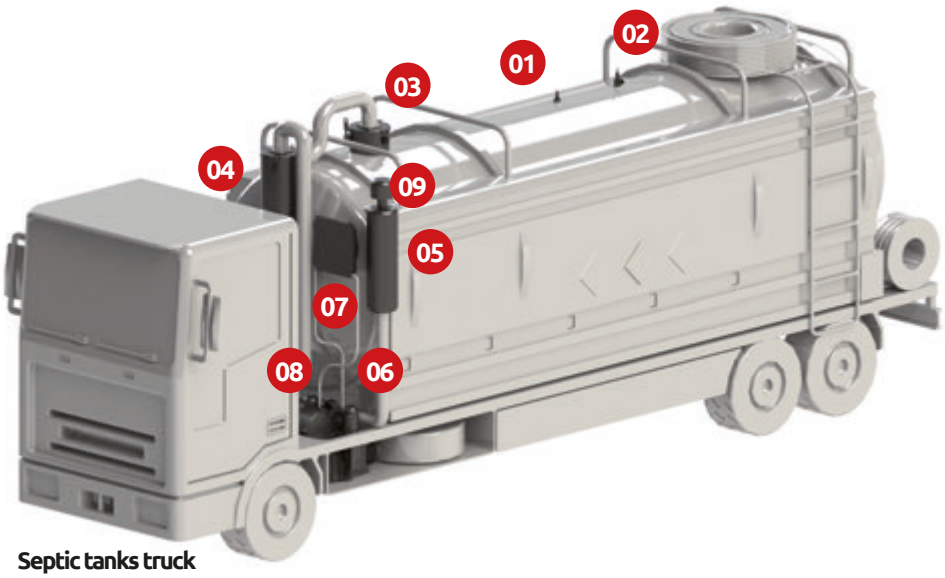
Customized Painting

Vacuum Relief Valve 1"1/2
Code 5100200012
Setting range:
-0.3 bar / -0,8 bar
Working temperature:
-20°C / +90°C
Thread: G 1"1/2
Weight: 0,65 kg

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

Pulley with pneumatic clutch
Code
60880200035

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



Septic tanks truck

Primary shut-off Valve
Code 6100200042 - Ø150
Housing: Galvanized Mild Steel
Cover: Steel
Ball: AISI 316 (Ø200)
Weight: 46 kg

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

Filter – Silencer
Code 5090000023
Hose connection: Ø 120 mm
Weight: 40 kg
Lenght: 1400 mm

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

Discharge valve - 1" ½
Code 5040200015
To be fitted on Secondary valve

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

Cyclon valve –2300
Code 6100200040 - Ø150
Housing: Galvanized Mild Steel
Cover: Steel
Ball: AISI 316 (Ø200)
Weight: 81 kg

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

Aluminum Water filter
Code 6080200095

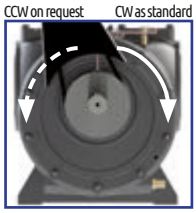
WSM – The Greedy

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



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

NEW

Pump Controller

NEW

Pump Active Controller

NEW

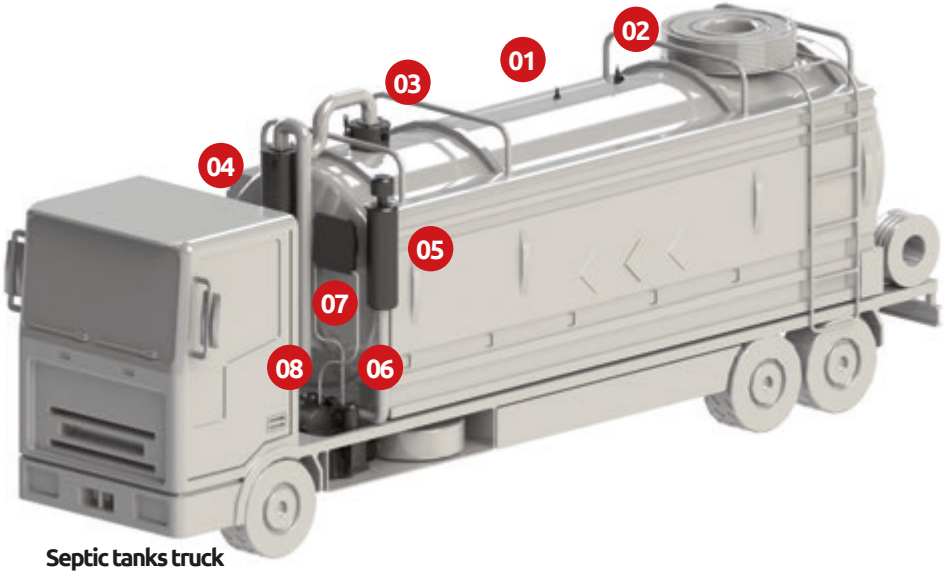
Customized Painting

Vacuum Relief Valve 1"1/2
Code 5100200012
Setting range:
-0.3 bar / -0,8 bar
Working temperature:
-20°C / +90°C
Thread: G 1"1/2
Weight: 0,65 kg

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

Pulley with pneumatic clutch
Code
60880200036

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



Septic tanks truck

Primary shut-off Valve
Code 6100200042 - Ø150
Housing: Galvanized Mild Steel
Cover: Steel
Ball: AISI 316 (Ø200)
Weight: 46 kg

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

Filter – Silencer
Code 5090000024
Hose connection: Ø 150 mm
Weight: 51 kg
Lenght: 1400 mm

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

Discharge valve - 1" ½
Code 5040200015
To be fitted on Secondary valve

Aluminum Water filter
Code 6080200095

Cyclon valve –2300
Code 6100200040 - Ø150
Housing: Galvanized Mild Steel
Cover: Steel
Ball: AISI 316 (Ø200)
Weight: 81 kg

Cyclon valve –3300
Code 6100200041 - Ø150
Housing: Galvanized Mild Steel
Cover: Steel
Ball: AISI 316 (Ø200)
Weight: 105 kg

Air-Water Cooled with Thermostat
Code 5090000016
– 24V
Weight: 25 kg

Liquid cooled - Rotary Vanes Vacuum/Pressure pumps

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

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

Cooling

AIR INJECTION COOLED - ROTARY LOBE PUMP

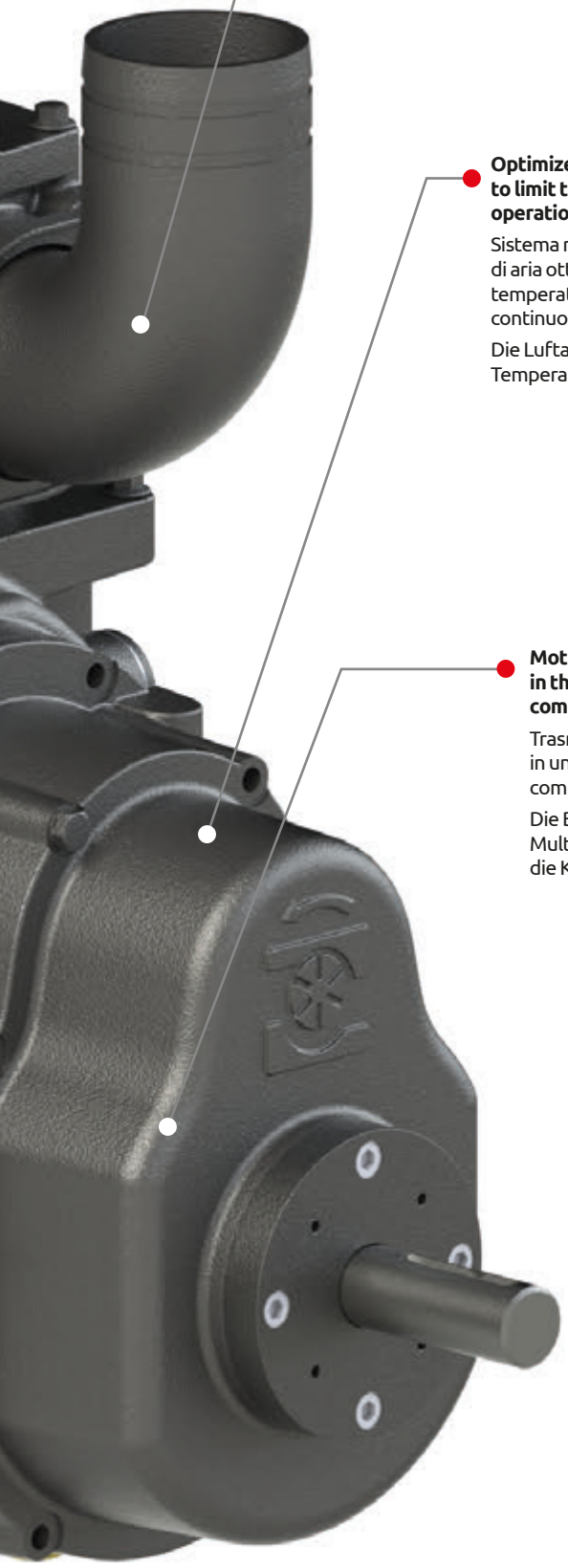
AIDA II
16000 - 19000 - 21000 - 26000

NEW

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 - P

AIDA - HM

The picture is only for informative pourpose.
See the table on page 81 for the complete list of the available optionals.

AIDA II
16000 - 19000 - 21000 - 26000

Battioni® Pagani
Setting the pace since 1953

AIDA

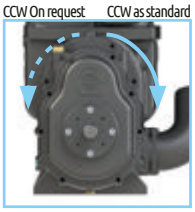
AIDA does not require either liquid cooling system or lubrication: even the discharged air into the atmosphere is free of pollutants such as oil, resins etc ...

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.

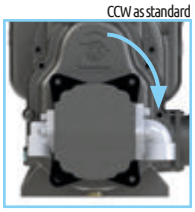
VERSIONS

CCW 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	P-HM					P	HM
AIDA II 16000	960	16000	565	1050	2 (29)	90 (26,58)	90 (26,58)	21 (28,2)	189	220
AIDA II 19000	1140	19000	671	1050	2 (29)	90 (26,58)	90 (26,58)	27 (36,2)	189	220
AIDA II 21000	1260	21000	741	1050	2 (29)	90 (26,58)	90 (26,58)	31 (41,5)	209	240
AIDA II 26000	1560	26000	918	1050	2 (29)	90 (26,58)	90 (26,58)	39 (52,3)	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

NEW

Pump Active Controller

NEW

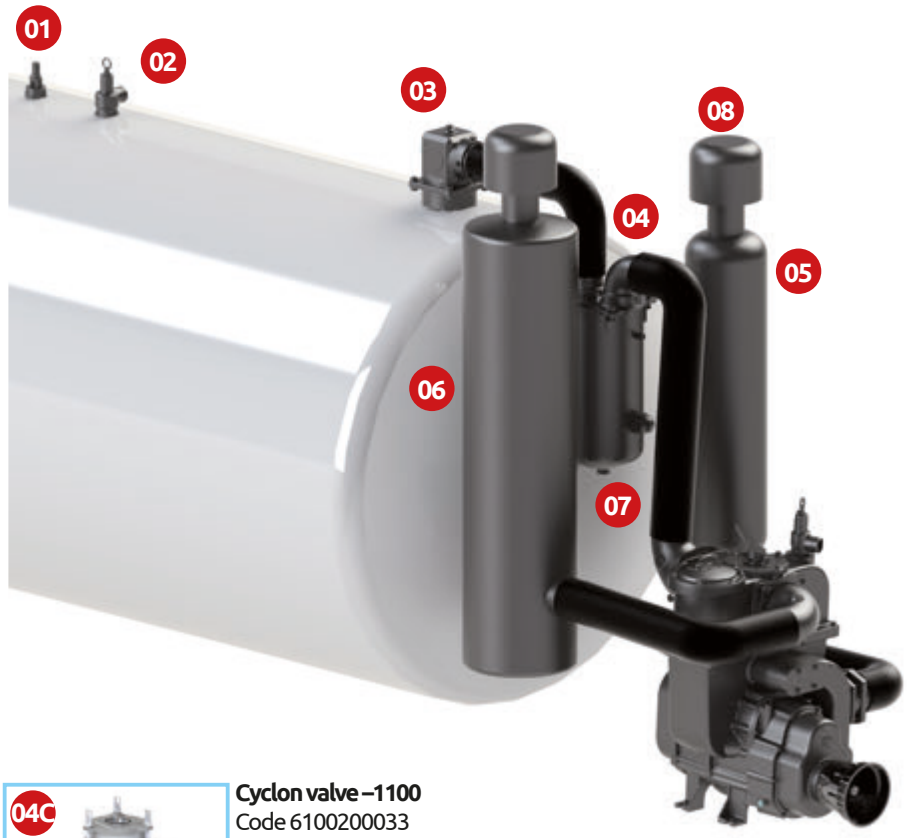
Customized Painting

ACCESSORIES

Primary Overflow Valve – Two Balls
Code 6100200026 - Ø100
Iron ring to be welded
Weight: 14,0 kg

Primary Overflow Valve – One SS Ball
Code 6100200028
Ø100 SS
Ball material: AISI 316
Iron ring to be welded
Weight: 13,9 kg

Pulley with pneumatic clutch
Code
6080200394



Primary shut-off Valve
Code 6100200038 - Ø120
Housing: Galvanized Mild Steel
Cover: Steel
Ball: AISI 316 (Ø200)
Weight: 46,5 kg

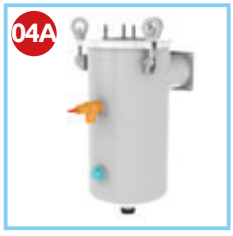
Code 6100200042 - Ø150
Housing: Galvanized Mild Steel
Cover: Steel
Ball: AISI 316 (Ø200)
Weight: 46 kg

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" ½
Code 5040200015
To be fitted on Secondary valve

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



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
Lenght: 1400 mm

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

Cyclon valve –1600
Code 6100200039 - Ø120
Housing: Galvanized Mild Steel
Cover: Steel
Ball: AISI 316 (Ø200)
Weight: 81,5 kg

Cyclon valve –2300
Code 6100200040 - Ø150
Housing: Galvanized Mild Steel
Cover: Steel
Ball: AISI 316 (Ø200)
Weight: 81 kg

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

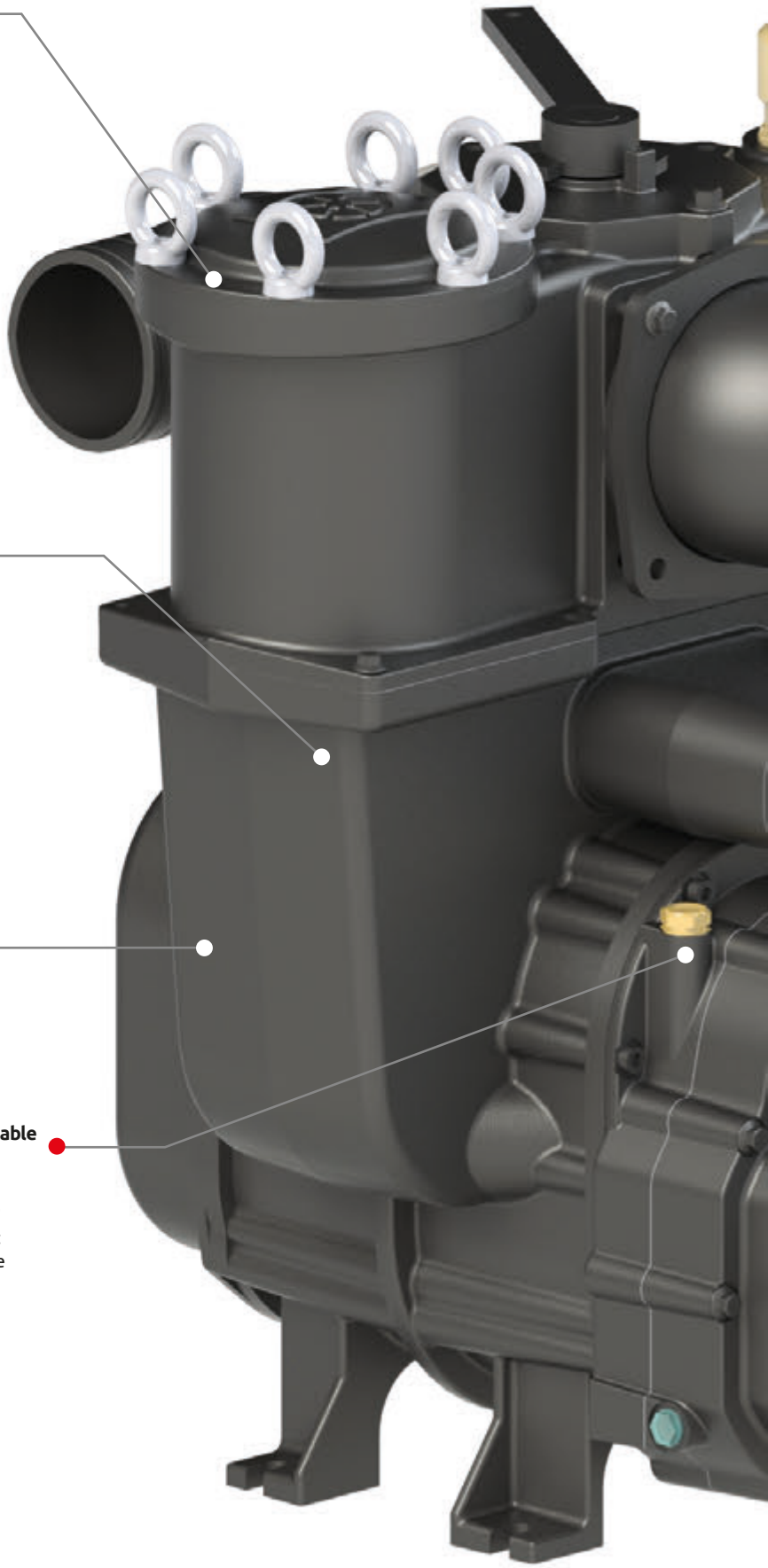
Revolving Elbow primary-secondary Shut-Off valve Ø 120
Code 6080200328

Predisposition for overpressure valve
Predisposizione per valvola di sovrapressione
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

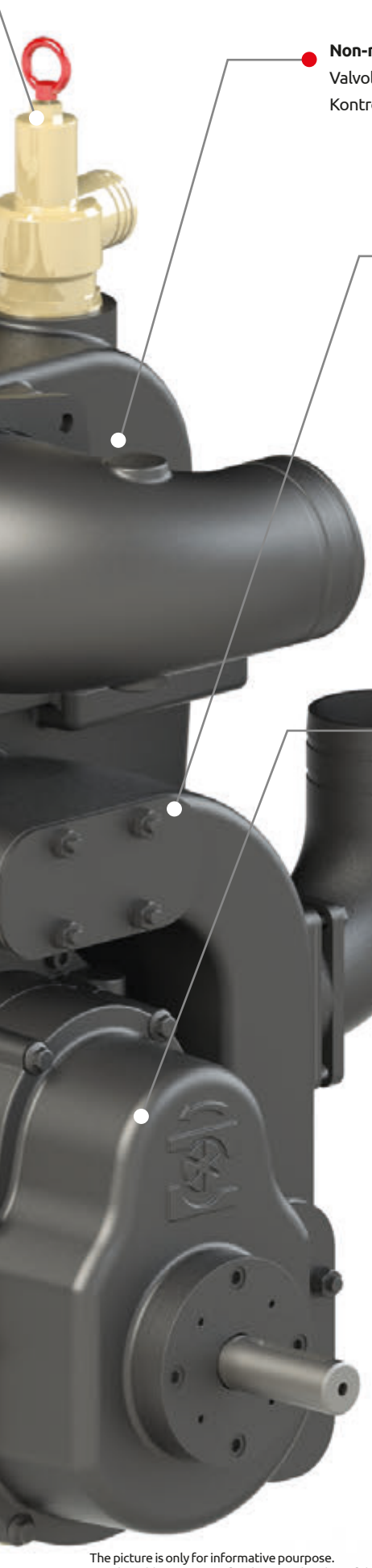
Smontaggio posteriore facilitato

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



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 - P

AIDA - HM

The picture is only for informative pourpose.
See the table on page 81 for the complete list of the available optionals.

AIDA

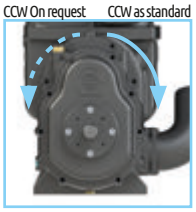
AIDA does not require either liquid cooling system or lubrication: even the discharged air into the atmosphere is free of pollutants such as oil, resins etc ...

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.

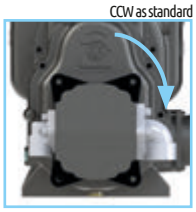
VERSIONS

CCW 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	P-HM					P	HM
AIDA 30000	1785	29750	1051	1200	2 (29)	90 (26,58")	90 (26,58")	41 (55)	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

NEW

Pump Active Controller

NEW

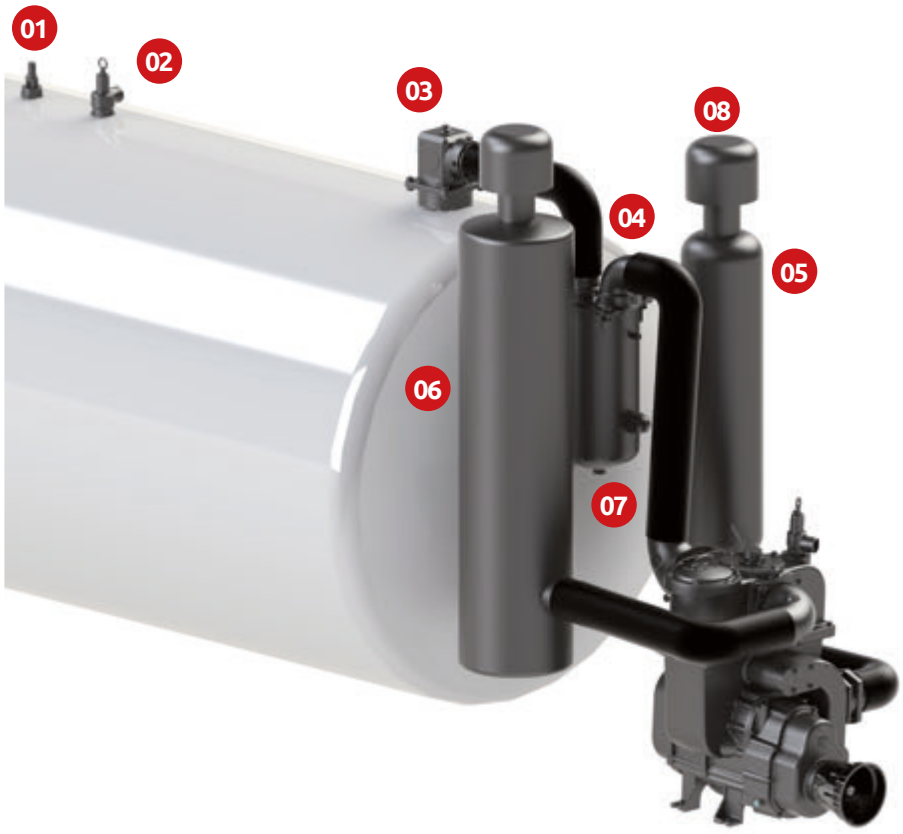
Customized Painting

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 - 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



03C Primary shut-off Valve
Code 6100200038 - Ø120
Housing: Galvanized Mild Steel
Cover: Steel
Ball: AISI 316 (Ø200)
Weight: 46,5 kg
Code 6100200042 - Ø150
Housing: Galvanized Mild Steel
Cover: Steel
Ball: AISI 316 (Ø200)
Weight: 46 kg

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

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

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

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

04B Cyclon valve –1600
Code 6100200039 - Ø120
Housing: Galvanized Mild Steel
Cover: Steel
Ball: AISI 316 (Ø200)
Weight: 81,5 kg
Cyclon valve –2300
Code 6100200040 - Ø150
Housing: Galvanized Mild Steel
Cover: Steel
Ball: AISI 316 (Ø200)
Weight: 81 kg

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

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

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, fur alternative oder kombinierte verwensung im Ausgang A und Ausgang B

GARDA EVO Gearbox

Cambio GARDA EVO

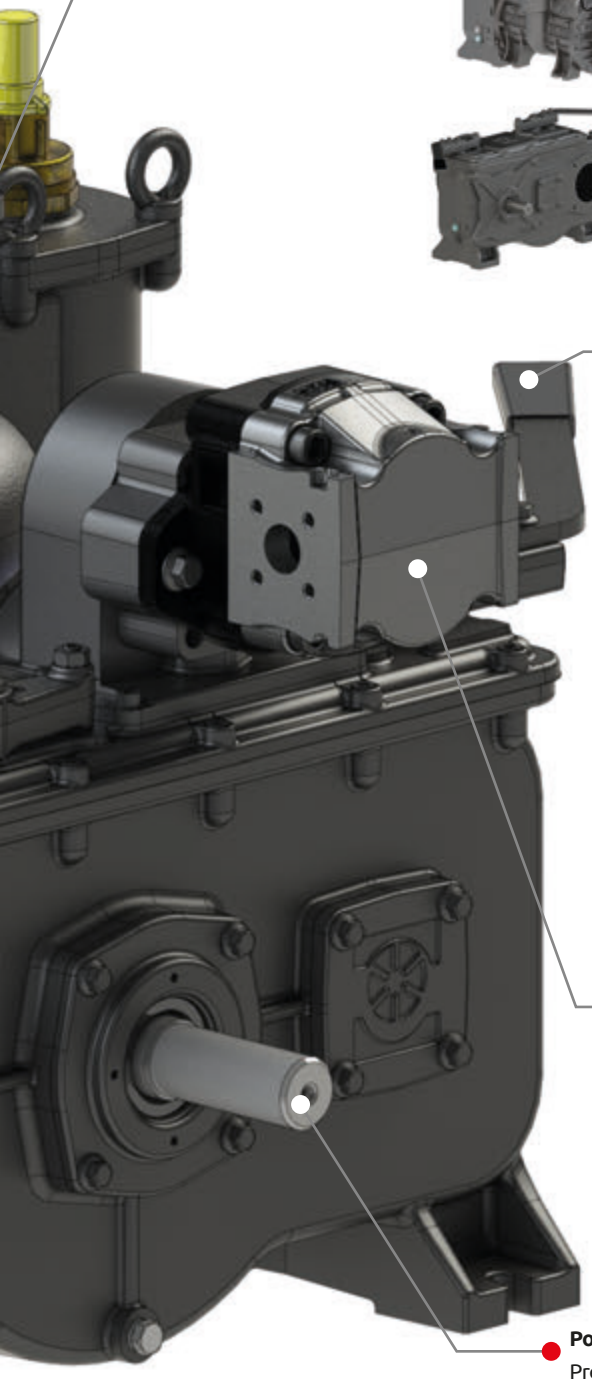
Getriebegehäuse

COMBINED GROUPS
GARDA EVO

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 - P

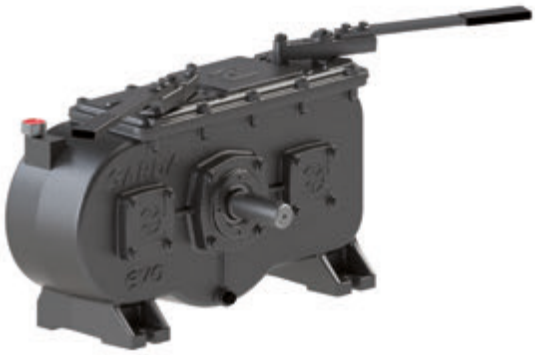
GARDA EVO - H

The picture is only for informative pourpose.
See the table on page 81 for the complete list of the available optionals.

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).

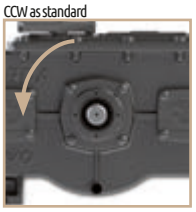


STANDARD FEATURES

- PTO 1000 Rpm

VERSIONS

CCW as standard



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

CCW as standard

Version H
129 cc/rev - Pmax 400 bar - In G 1" - Out G 1" - Max 70 Kw
240 cc/rev - Pmax 350 bar - In G 1" - Out G 1"- Max 120 Kw

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:

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**

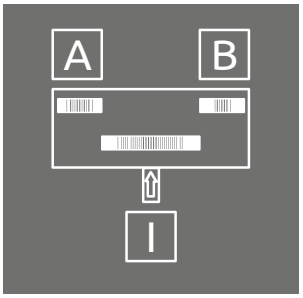
H hydraulic motor 129cc/rev-Pmax 400bar-In 1"G-Out 1"G - **1 lever**
HT hydraulic motor 240cc/rev-Pmax 350bar-In 1"G-Out 1"G - **2 levers**
HK hydraulic motor 129cc/rev-Pmax 400bar-In 1"G-Out 1"G - **1 lever and hydraulic pump**

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.

GARDA EVO EXITS



GARDA EVO PTO

OPTIONALS FOR ALL VERSION

Hydraulic Changeover
central lever Code 5090000019
lateral lever Code 5090000107

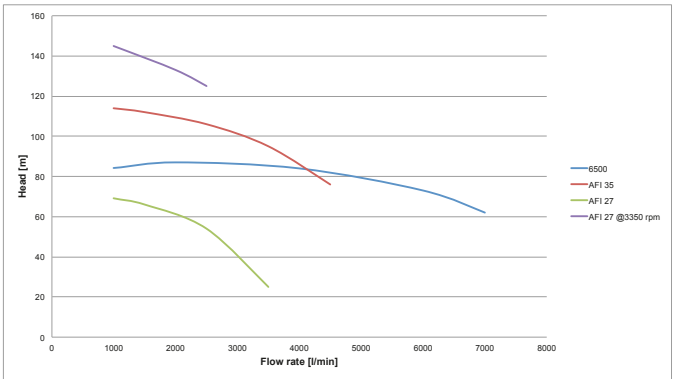
Pneumatic Changeover
central lever Code 6080200300
lateral lever Code 6080200301

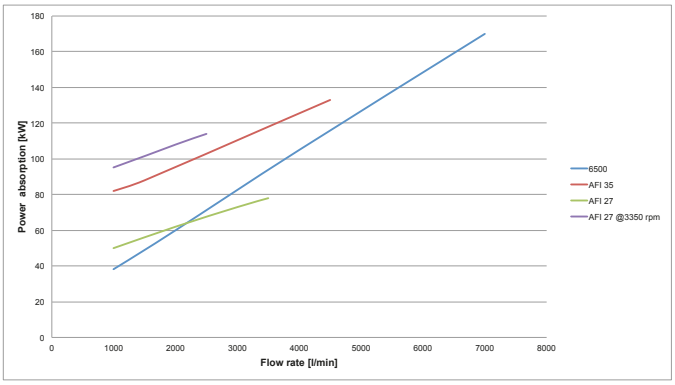
Pump ("K" after input letter)
available only for 1 lever version and centrfugal pumps, vacuum pumps and direct shafts rotating at 2380 rpm.
Pump version is KP 30.27
Hydraulic Changeover not available

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 /P /H	C6500	AFI27	AFI27 HIGH SPEED	AFI35
EXIT B options:				
MEC 9000-11000-13500	●	●	●	●
BALLAST 9000-11000-13500-16000	●	●	●	●
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 /PT /HT /PK /HK	C6500	AFI27	AFI27 HIGH SPEED	AFI35
EXIT B options:				
MEC 9000-11000-13500	●	●	●	●
BALLAST 9000-11000-13500-16000	●	●	●	●
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

EXIT A: ROTATING SHAFT ("GK")

Available options are:

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 /PT /HT	D540-D800-D1000-D1500	P540-P800-P1000-P1500
EXIT B options:		
MEC 9000-11000-13500	●	●
BALLAST 9000-11000-13500-16000	●	●
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 /PK /HK	D2380	P2380
EXIT B options:		
MEC 9000-11000-13500	●	●
BALLAST 9000-11000-13500-16000	●	●
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:

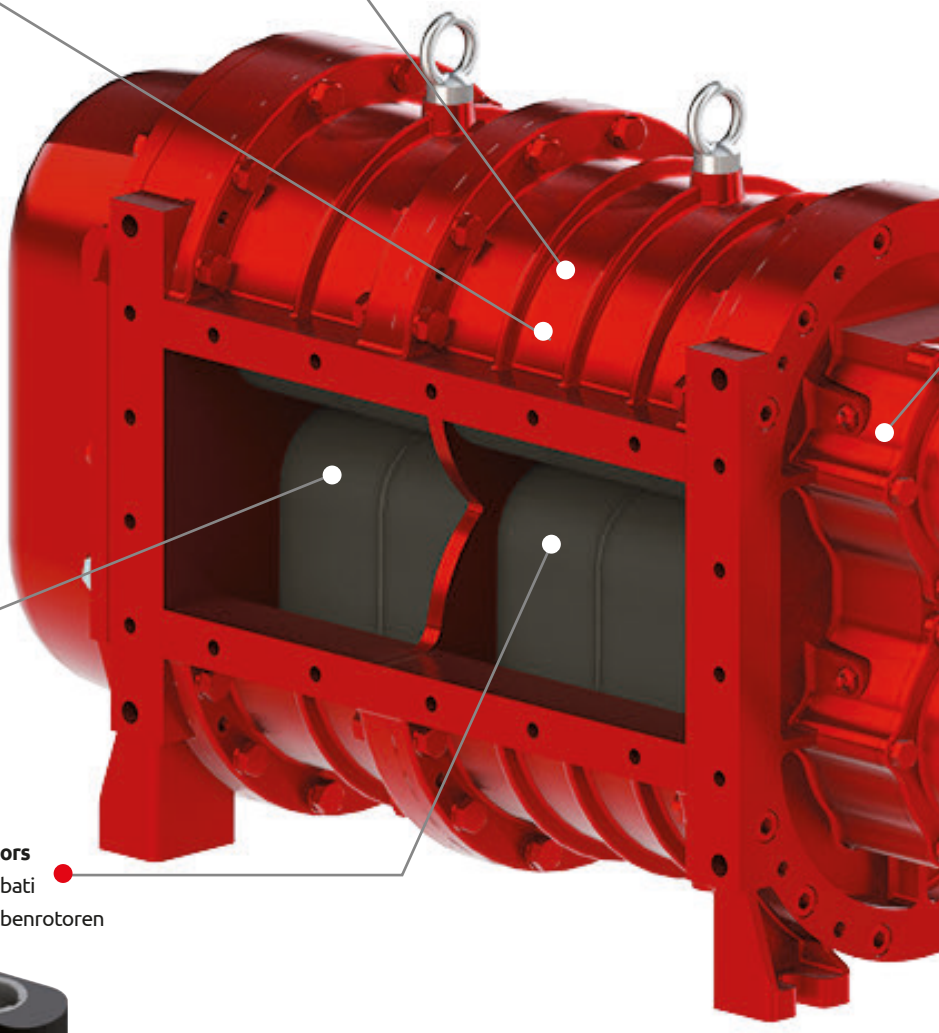
JET /PT /HT	High Pressure Pump
EXIT B options:	
MEC 9000-11000-13500	•
BALLAST 9000-11000-13500-16000	•
KPS	•
KTS	•
D540-D800-D1000-D1500-D2380	•
P540-P800-P1000-P1500-P2380	•

 As standard

- Not available

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

VERSIONS

BR - P

BR - EL

BR - H

BR - HM

FKM sealings up to 10 bar resistent

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

The picture is only for informative pourpose.
See the table on page 81 for the complete list of the available optionals.

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

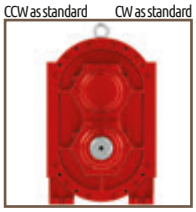
Battioni® Pagani
Setting the pace since 1953

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.

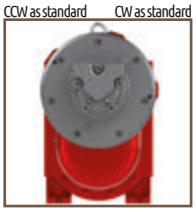
VERSIONS

CCW as standard CW as standard



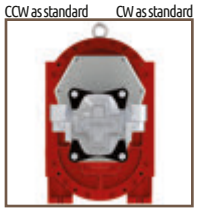
Version P
BR 40/80/120/160
Smooth Cylindrical shaft,
Ø 38, lenght 100 mm
Parallel key UNI 6604
BR 200/240/280
Smooth Cylindrical shaft,
Ø 48, lenght 120 mm
Parallel key UNI 6604

CCW as standard CW as standard



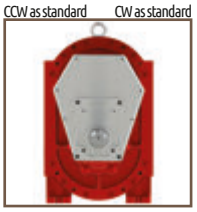
Version H
304 cc/rev
Pmax 250 bar
In G 1" - Out G 1"

CCW as standard CW as standard



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

CCW as standard CW as standard

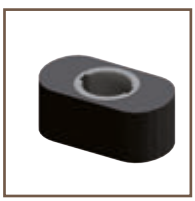


Version EL
Splined shaft
1"3/8 - Z6 ISO 500

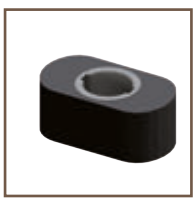
TECHNICAL DATA

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

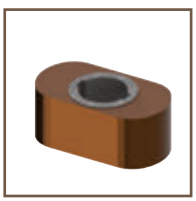
OPTIONALS



SBR Rubber Lobes

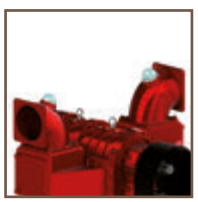


EPDM Rubber Lobes

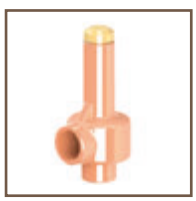


FKM Rubber Lobes

Lubricated Sealings Kit

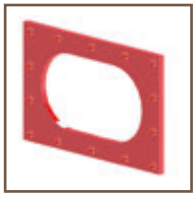


BR Elbows Kit
Code 6080200024 - BR 80
Code 6080200025 - BR 120
Code 6080200026 - BR 160
Code 6080200027 - BR 200
Code 6080200028 - BR 240
Code 6080200029 - BR 280



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

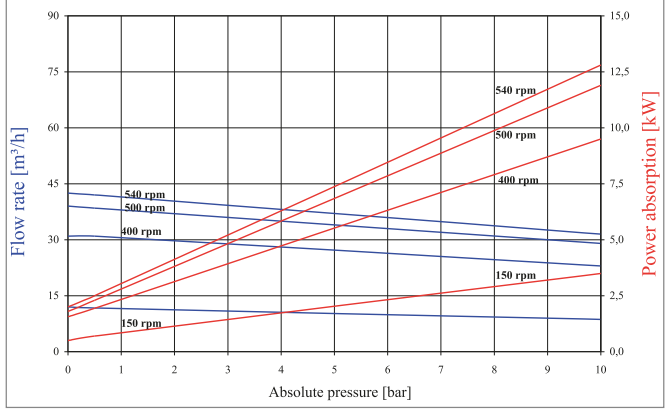
Customized Painting



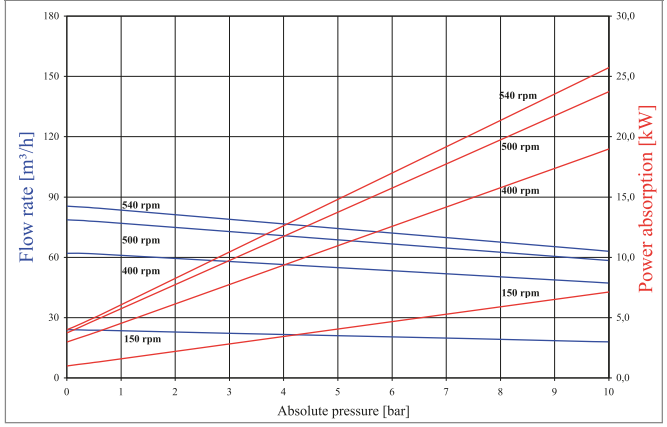
Coupling Flange BR
Code 5010401021 - BR 40
Code 5010401012 - BR 80
Code 5010401013 - BR 120
Code 5010401014 - BR 160
Code 5010401015 - BR 200
Code 5010401016 - BR 240
Code 5010401017 - BR 280

FLOW-PRESSURE CHARTS

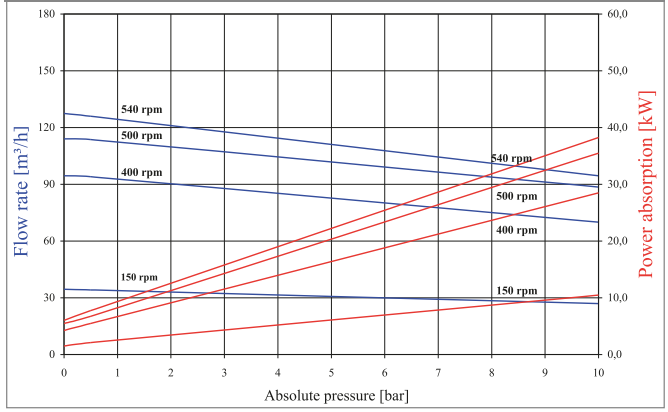
BR 40



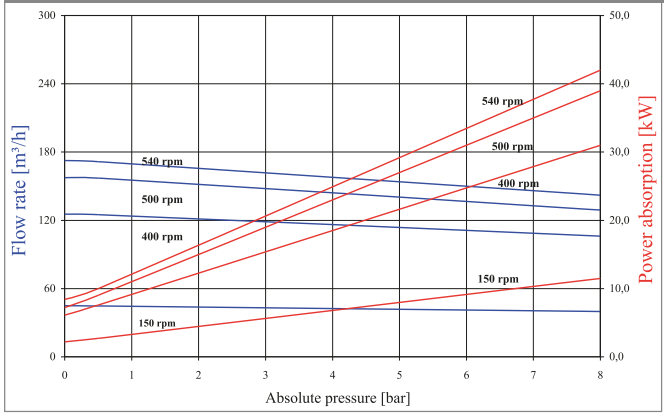
BR 80



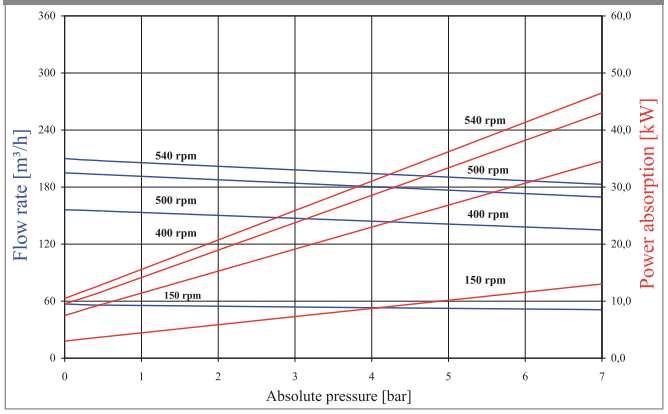
BR 120



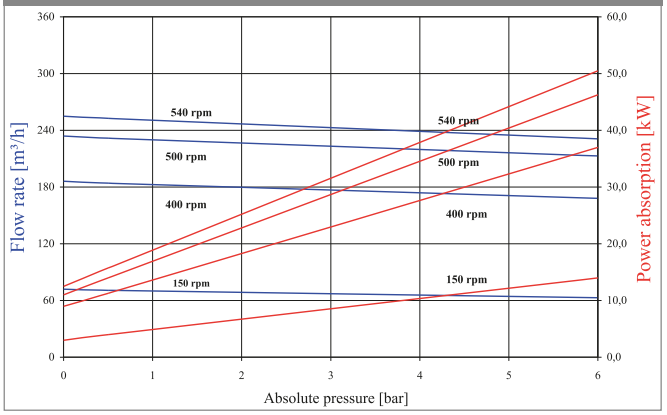
BR 160



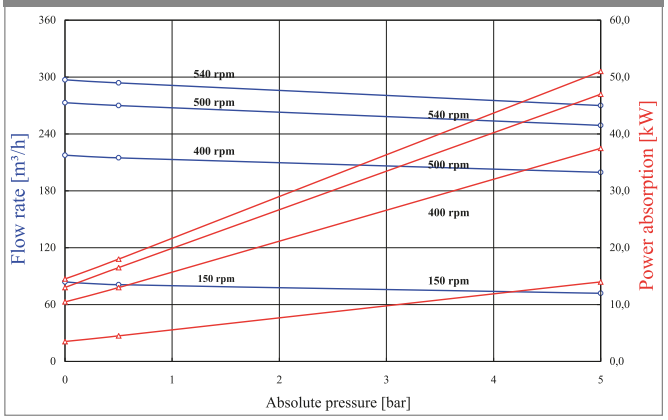
BR 200



BR 240



BR 280



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

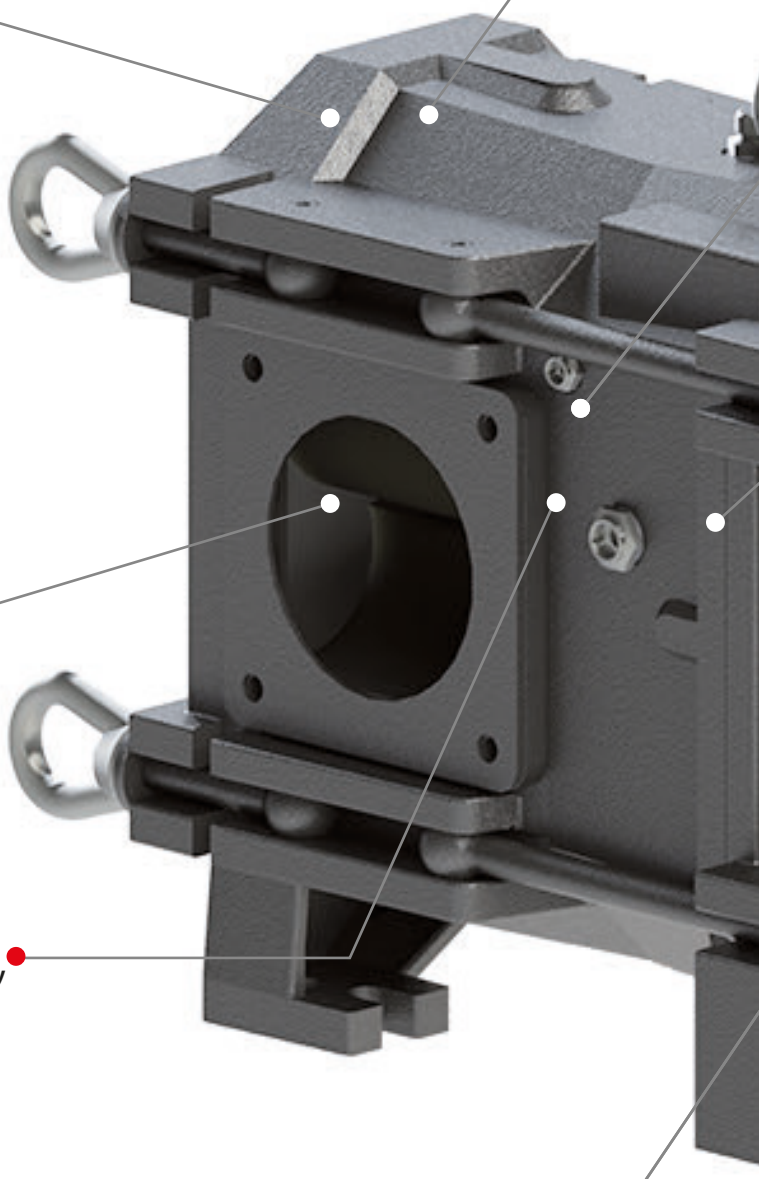
Supporto posteriore per alberi easy maintenance (di serie per BR EVO 170 e 260)

Halterung vorn für Wellen Easy Maintenance (serienmäß 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-resistence

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).

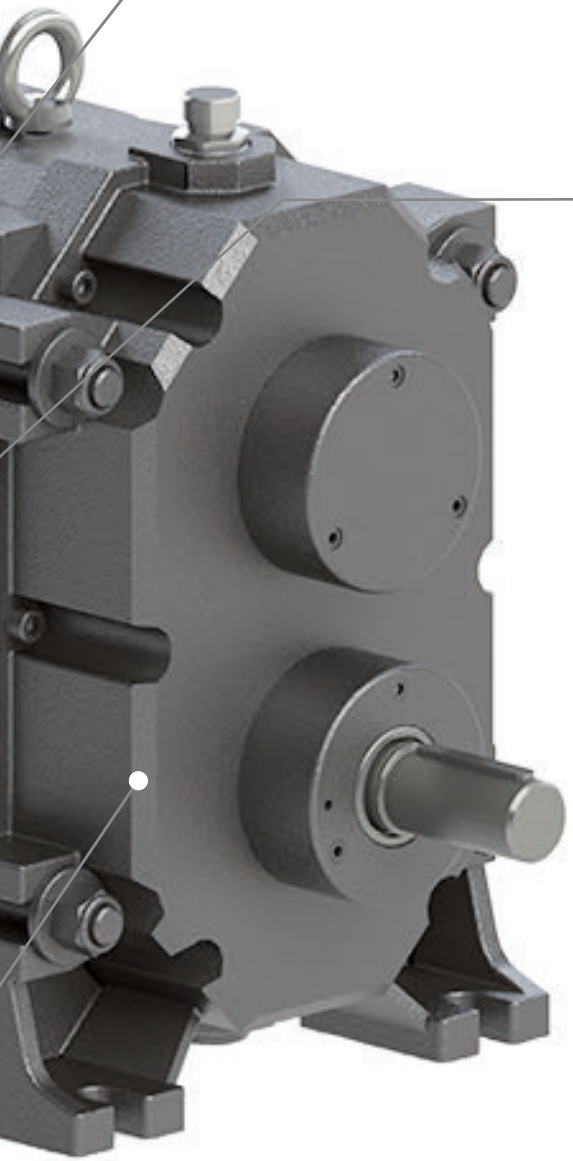
Raumkühlung erforderlichen Standard. Ermöglicht Kühlung und Schmierung von Dichtungen in Wolframcarbid (Widia).

Self Priming Rotary Lobe Liquid Transfer Pumps

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 - P

BR EVO - H

The picture is only for informative pourpose.
See the table on page 81 for the complete list of the available optionals.

BR EVO
50 - 90 - 170 - 260

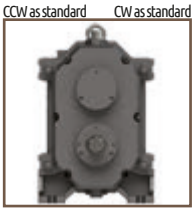
Battioni® Pagani
Setting the pace since 1953

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.

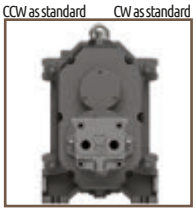
VERSIONS

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 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	H	P	H	P	H	P	H
BR EVO - 50	38	633	22	600	600	10 (145)	10 (145)	11 (14,7)	11 (14,7)	80	96
BR EVO - 90	94	1567	55	600	600	8 (116)	8 (116)	19 (25,4)	19 (25,4)	150	176
BR EVO - 170	166	2767	98	600	600	8 (116)	8 (116)	29 (38,9)	29 (38,9)	165	191
BR EVO - 260	283	4718	166	600	600	6 (86)	6 (86)	44 (59,0)	44 (59,0)	214	240

OPTIONALS

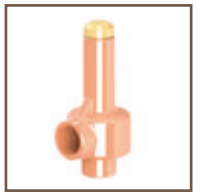
SBR Rubber Lobes

FKM Rubber Lobes

EPDM Rubber Lobes

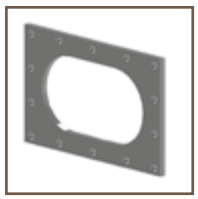
Round Suction Hose Connectors Kit
Code 4440001201
BR EVO 90
Code 4440001202
BR EVO 170
Code 4440001203
BR EVO 260

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

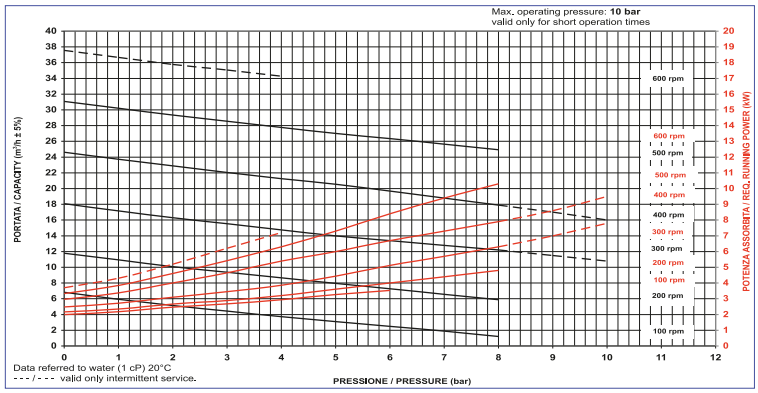


Coupling Flange BR EVO 90
Code 4440001200

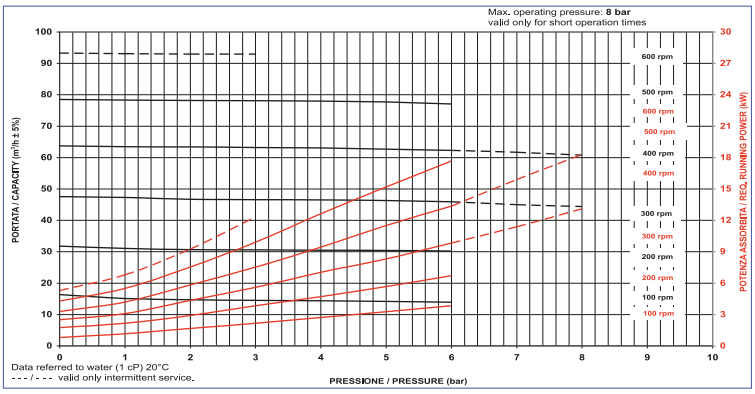
Customized Painting

FLOW-PRESSURE CHARTS

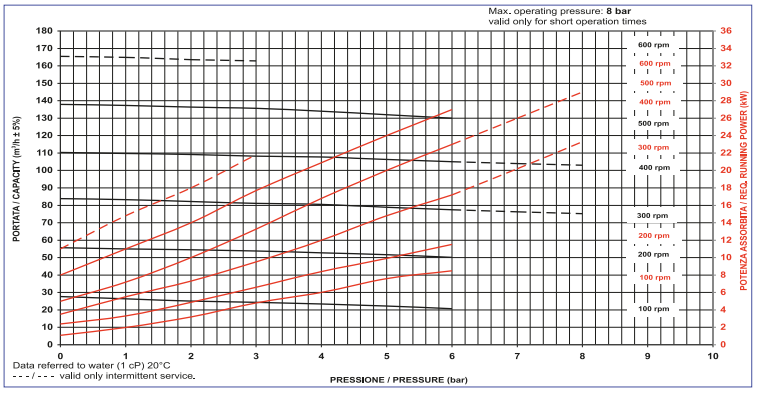
BR EVO 50



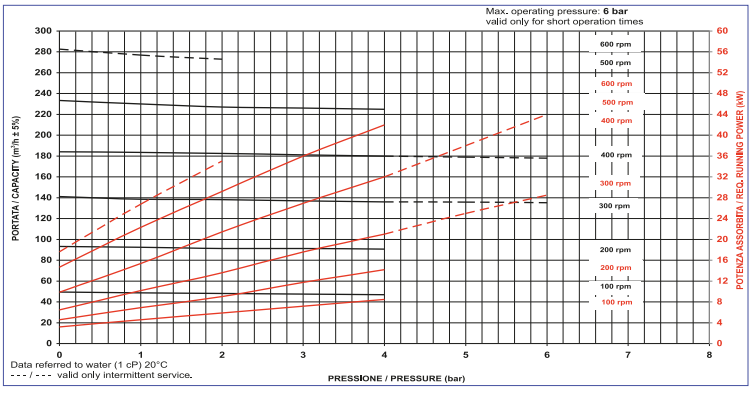
BR EVO 90



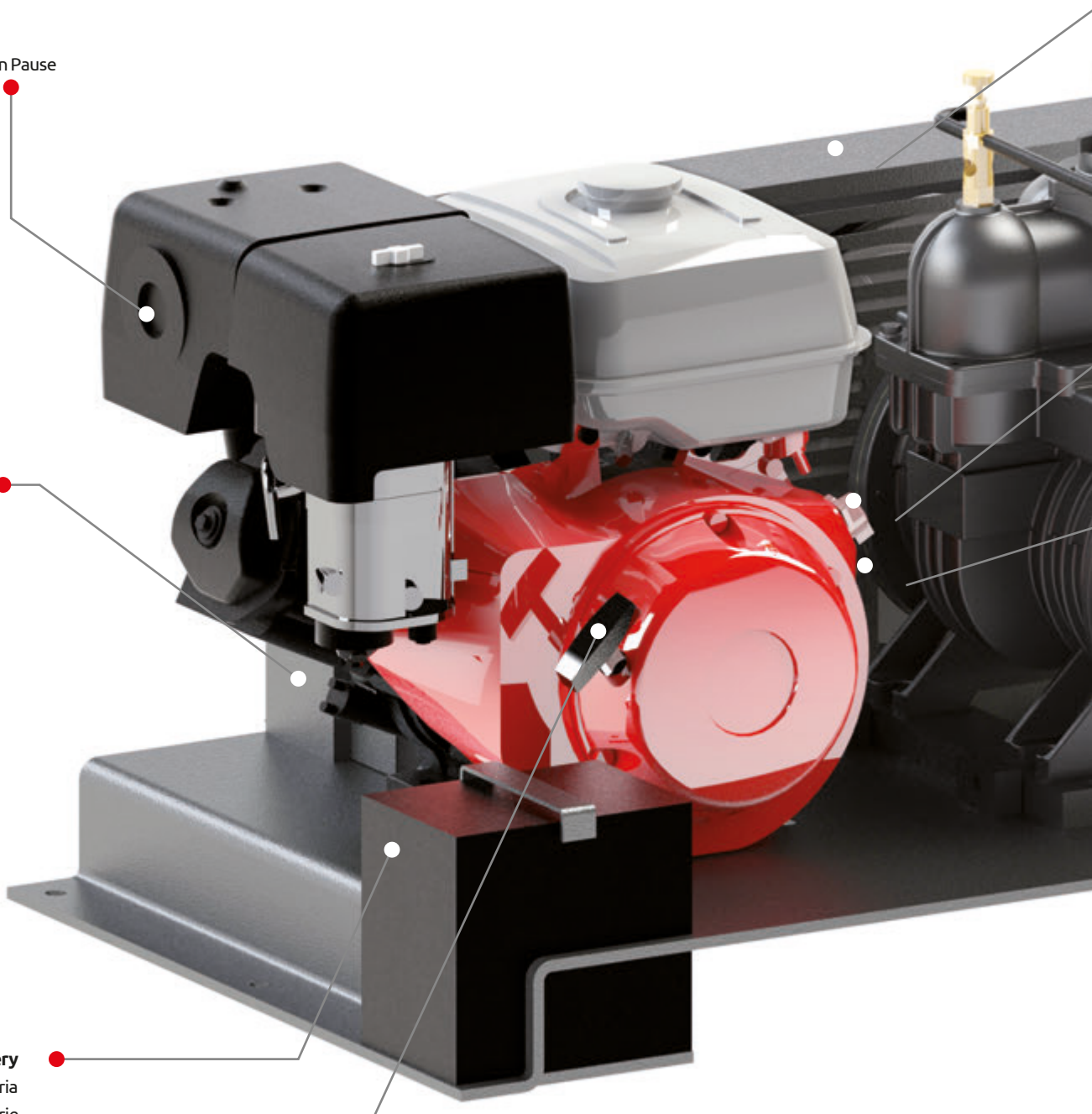
BR EVO 170



BR EVO 260



Muffler with spork arrestor
Silenziatore con rompifiamme incorporato
Schalldämpfer mit eingebetteten Flammen Pause

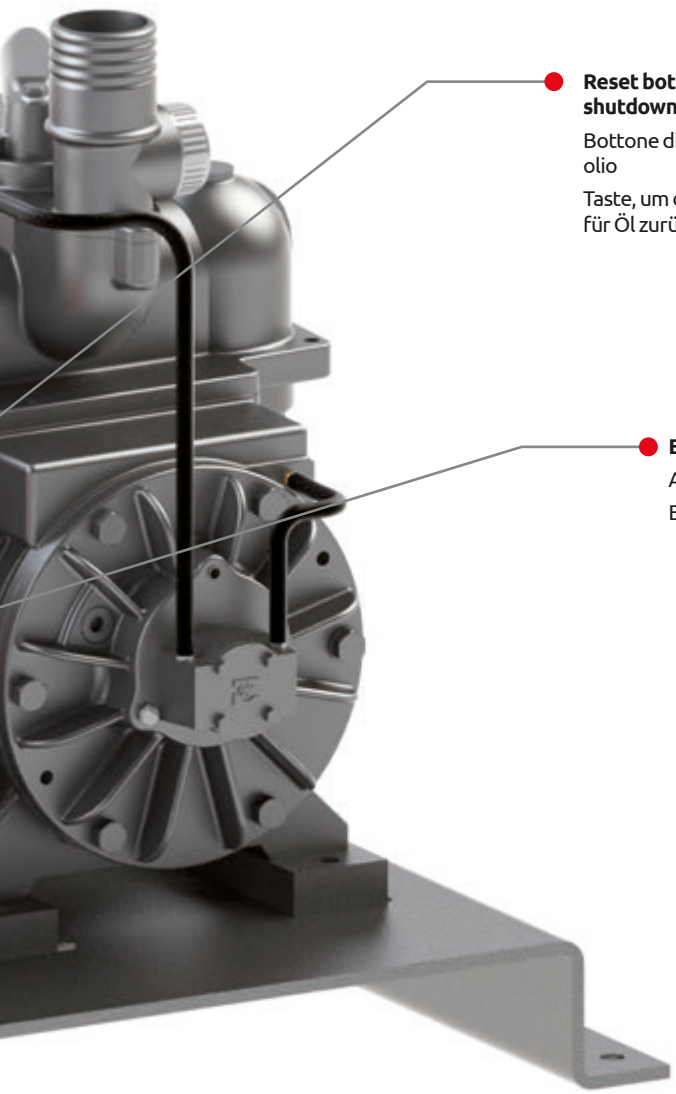


Centrifugal clutch
Frizione centrifuga
Fliehkraftkupplung

Battery
Batteria
Batterie

Recoil Starter
Avviamento manuale
Manueller Start

POWERED UNIT
GASOLINE, DIESEL, ELECTRIC



Belt protection
Protezione cinghia
Schutzgürtel

Reset botton for automatic low oil shutdown
Bottone di resettaggio livello minimo olio
Taste, um die Mindestanforderungen für Öl zurückgesetzt

Electric start
Avviamento elettrico
Elektrostart

VERSIONS

GASOLINE ENGINE

DIESEL ENGINE

ELECTRIC ENGINE

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

GASOLINE ENGINE

Battioni® Pagani
Setting the pace since 1953

GASOLINE ENGINE DRIVEN SYSTEM

The Battioni Pagani Gasoline engines diriven 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
Code5090000059

Rev counter
Code 5090000072

Muffler
Code 5090000057

Battioni Pagani Vacuum Pump Oil 5 lt.
Code 5070200100

Battioni Pagani Flushing Fluid 5 lt.
Code 5070200102

Flushing Kit
Code 6080200325

GASOLINE ENGINE

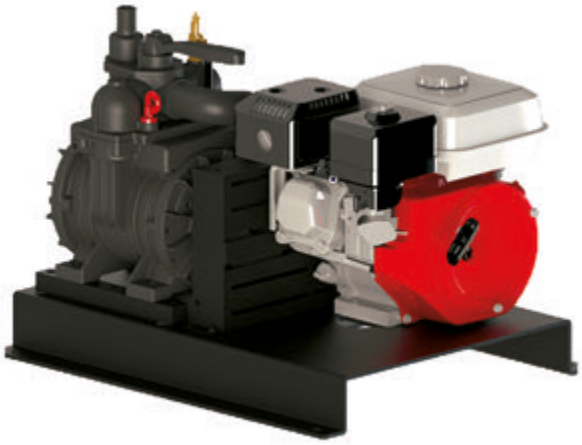
Pump Controller

Pump Active Controller

Customized Painting

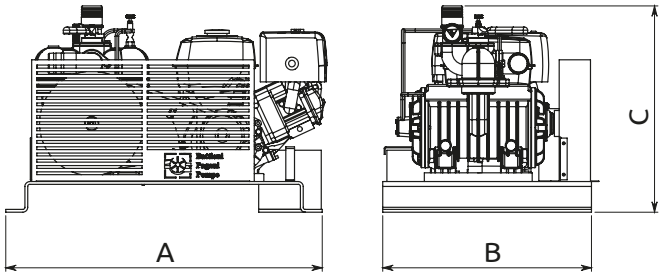
VERSIONS

BELT DRIVEN



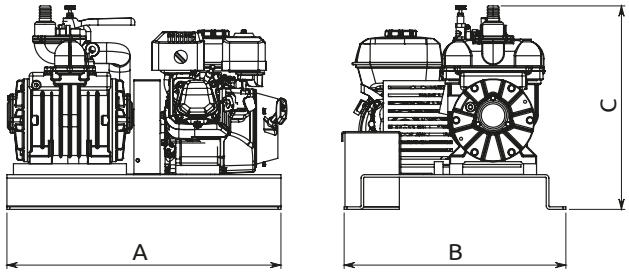
FRONT BELT

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

DIESEL ENGINE DRIVEN SYSTEM

The Battioni Pagani Diesel engines diriven 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

NEW

Pump Controller

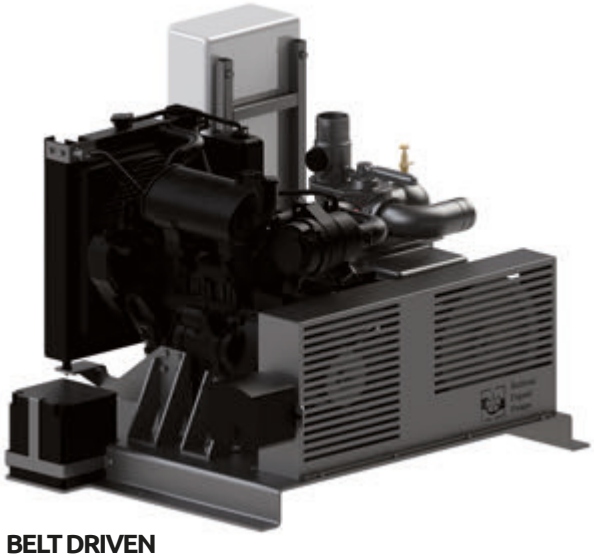
NEW

Pump Active Controller

OPTIONALS

Customized Painting

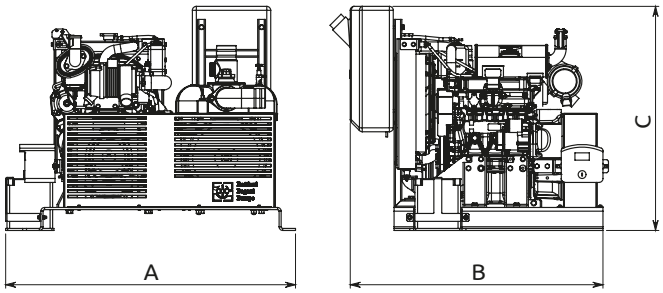
VERSIONS

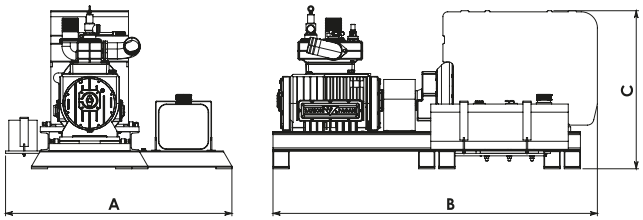


BELT DRIVEN

DIRECT DRIVE

TECHNICAL DATA - OVERALL DIMENSIONS





BELT DRIVEN

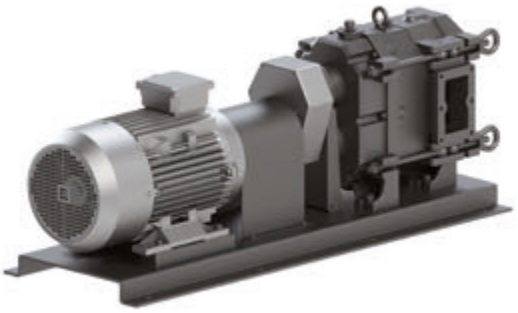
GROUP	A (mm)	B (mm)	C (mm)
MEC 2000	910	540	590
MEC 6.5/8.000	1110	970	860

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

ELECTRIC MOTOR

ELECTRIC MOTOR DRIVEN SYSTEM

The Battioni Pagani Electric motor driven systems have be designed and manufactured in compliance with EEC safet 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
MEC 4000 B.D.	4350	6-8	15	2(1)	-0.92	-0.5
MEC 5000 B.D.	6150	6-8	15	2(1)	-0.92	-0.5

OPTIONALS

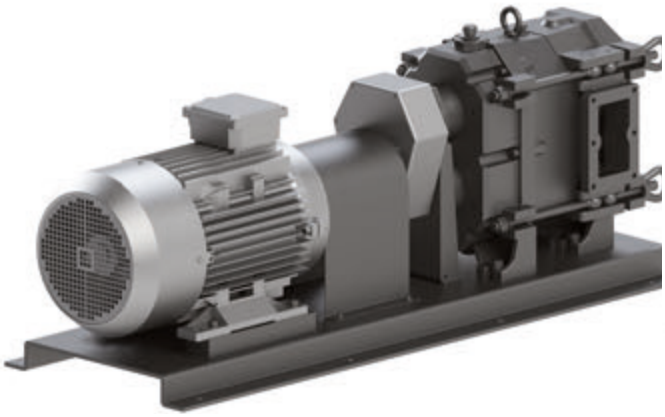
NEW

Pump Controller

NEW

Pump Active Controller

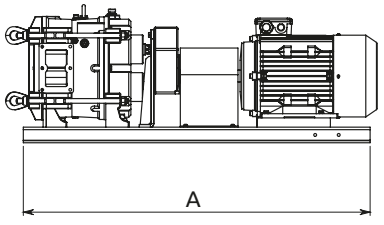
Customized Painting

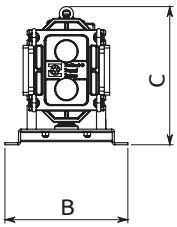


DIRECT DRIVE

BELT

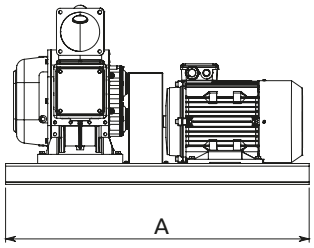
TECHNICAL DATA - OVERALL DIMENSIONS

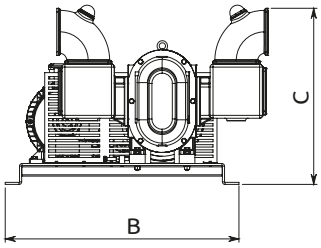




DIRECT DRIVE

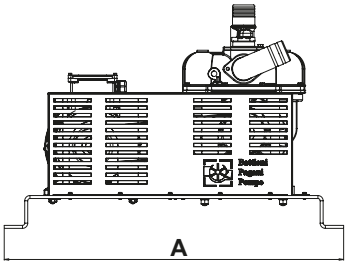
GROUP	A (mm)	B (mm)	C (mm)
BR EVO 50	1350	470	530
BR 40/80	1500	470	600
BR 120/160	1650	470	600

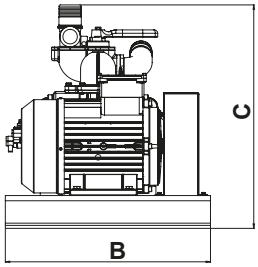




FRONT BELT

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
MEC 4000 BD	910	550	600
MEC 5000 BD	910	550	600

AVAILABLE VERSIONS
VERSIONI DISPONIBILI
LIEFERBARE VERSIONEN

Battioni® Pagani
Setting the pace since 1953

	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 600	●	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	○	○	●	-	-
WPT 720	●	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	○	○	●	-	-
KPS 490	●	●	●	●	●	-	-	-	●	●	-	-	-	-	-	-	○	○	●	○	-
KPS 550	●	●	●	●	●	-	●	●	●	●	-	-	-	-	-	-	○	○	○	●	-
KPS 670	●	●	●	●	●	-	●	●	●	●	-	-	-	-	-	-	○	○	○	●	-
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	-	●	●	-	-	●	-	-	-	●	-	-	-	-	-	-	-	-	-	●	○

● As standard ○ On request - Not available

AVAILABLE VERSIONS
VERSIONI DISPONIBILI
LIEFERBARE VERSIONEN

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	
-	-	O	●	O	-	-	-	-	-	-	-	O	MEC 1000
-	-	O	●	O	-	-	-	-	-	-	-	O	MEC 1600
-	O	O	●	O	O	O	-	-	-	-	●	O	MEC 2000
-	O	O	●	O	O	O	-	-	-	-	●	O	MEC 3000
-	O	O	●	O	O	O	-	-	-	-	●	O	MEC 4000
-	O	O	●	O	O	O	-	-	-	O	●	O	MEC 5000
-	O	O	●	O	O	O	O	-	-	O	●	O	MEC 6500
-	O	O	●	O	O	O	O	-	-	O	●	O	MEC 8000
-	O	O	-	●	O	O	O	●	-	O	●	O	MEC II 9000
-	O	O	-	●	O	O	O	●	-	O	●	O	MEC II 11000
-	O	O	-	●	O	O	O	●	-	O	●	O	MEC II 13500
-	-	O	-	●	●	-	-	●	-	O	●	O	BALLAST 3500
-	-	O	-	●	●	-	-	●	-	O	●	O	BALLAST 4500
-	-	O	-	●	●	-	-	●	-	O	●	O	BALLAST 6000
-	-	O	-	●	●	-	-	●	-	O	●	O	BALLAST 7500
-	O	O	-	●	O	O	-	●	-	O	●	O	BALLAST 9000
-	O	O	-	●	O	O	-	●	-	O	●	O	BALLAST 11000
-	O	O	-	●	O	O	-	●	-	O	●	O	BALLAST 13500
-	O	O	-	●	●	-	-	●	●	-	-	●	BALLAST 16000
-	●	O	●	O	O	-	-	-	-	O	●	O	STAR 60
-	●	O	●	O	O	-	-	-	-	O	●	O	STAR 72
-	●	O	●	O	O	-	-	-	-	O	●	O	STAR 84
-	O	O	-	●	●	-	-	●	●	-	-	●	FAN 420
-	O	O	-	●	●	-	-	●	●	-	-	●	FAN 530
-	●	●	-	●	●	-	O	-	-	O	-	●	WPT 600
-	●	●	-	●	●	-	O	-	-	O	-	●	WPT 720
-	O	O	-	●	●	-	-	●	●	-	-	●	KPS 490
-	O	O	-	●	●	-	-	●	●	-	-	●	KPS 550
-	O	O	-	●	●	-	-	●	●	-	-	●	KPS 670
-	●	●	-	●	●	-	-	●	-	O	-	●	KTS 1080
O	-	O	-	●	-	-	-	●	-	O	-	●	KTM 1200
O	-	O	-	●	-	-	-	●	-	O	-	●	KTM 1500
O	-	O	-	●	-	-	-	●	-	O	-	●	KTM 1800
O	-	O	-	●	-	-	-	●	-	O	-	●	KTM 2300
O	-	O	-	●	-	-	-	●	-	O	-	●	WSM 2700
O	-	O	-	●	-	-	-	●	-	O	-	●	WSM 3300
-	-	-	-	-	-	-	-	-	-	-	-	O	BR 40
-	-	-	-	-	-	-	-	-	-	-	-	O	BR 80
-	-	-	-	-	-	-	-	-	-	-	-	O	BR 120
-	-	-	-	-	-	-	-	-	-	-	-	O	BR 160
-	-	-	-	-	-	-	-	-	-	-	-	O	BR 200
-	-	-	-	-	-	-	-	-	-	-	-	O	BR 240
-	-	-	-	-	-	-	-	-	-	-	-	O	BR 280
-	-	-	-	-	-	-	-	-	-	-	-	-	BR EVO 50
-	-	-	-	-	-	-	-	-	-	-	-	-	BR EVO 90
-	-	-	-	-	-	-	-	-	-	-	-	-	BR EVO 170
-	-	-	-	-	-	-	-	-	-	-	-	-	BR EVO 260
-	O	O	-	-	●	-	-	-	●	-	-	-	AIDA II 16000
-	O	O	-	-	●	-	-	-	●	-	-	-	AIDA II 19000
-	O	O	-	-	●	-	-	-	●	-	-	-	AIDA II 21000
-	O	O	-	-	●	-	-	-	●	-	-	-	AIDA II 26000
-	O	O	-	-	●	-	-	-	●	-	-	-	AIDA 30000

INDEX ACCESSORIES
INDICE ACCESSORI
INDEX ZUBEHÖR

Battioni® Pagani
Setting the pace since 1953

PUMP CONTROLLER

MONITORING

- Oil level monitoring
- Hour-counter
- Cooling water temperature monitoring
- Working Hour-counter
- Exhaust gas temperature monitoring
- Exhaust gas pressure monitoring
- Vacuum monitoring
- Tank counter

OUTPUT/FAILURES PREVENTION

- Data recording
- Exhaust gas over heating alert
- Maintenance alerts
- Oil missing alert
- Over pressure alert
- Over vacuum alert
- Over cooling water heating alert

Display

USB Port

OPTION

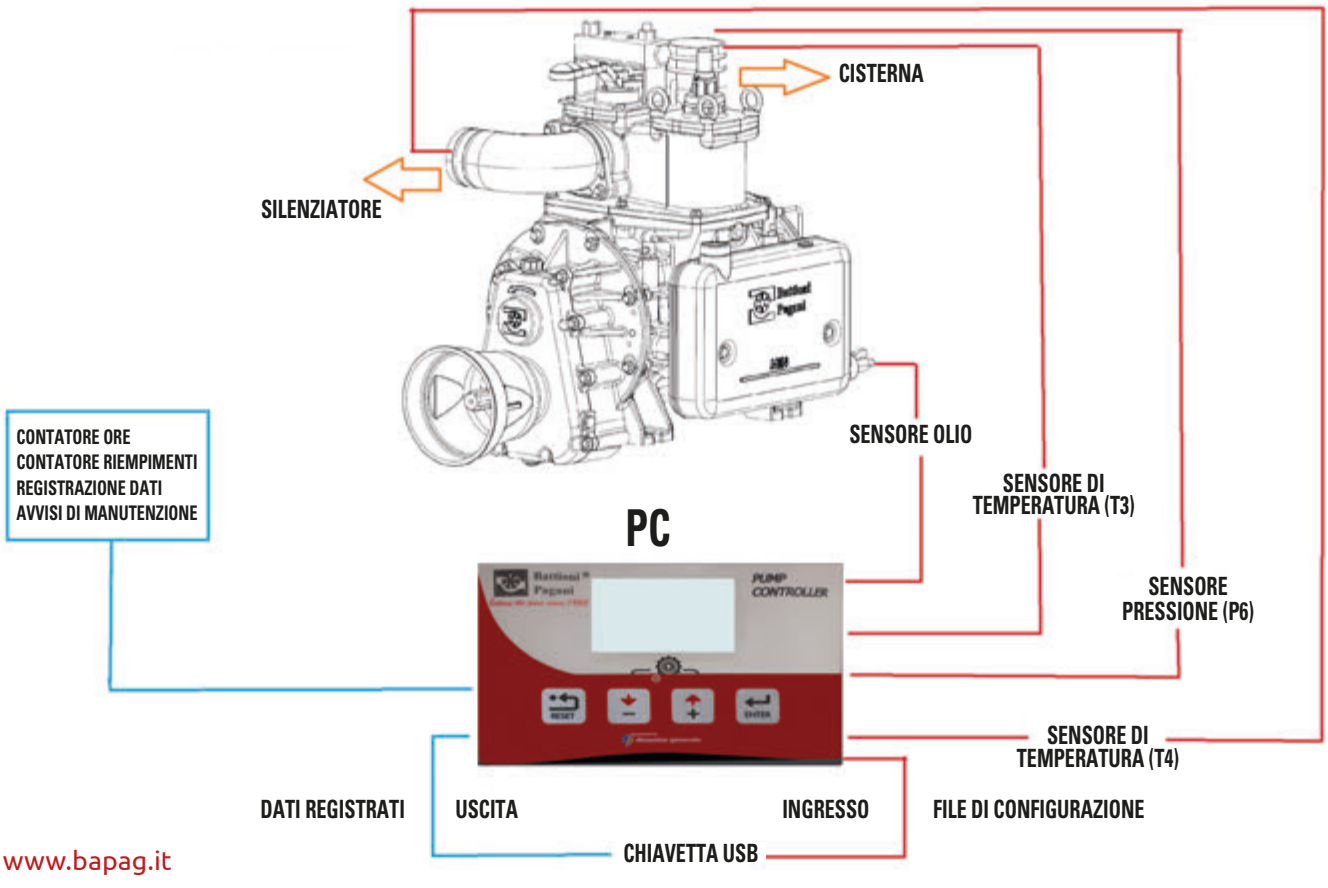
- Automatic cleaning with Flushing Fluid injection
- Cable 4,5 mt
  12 V / 24 V

APPLICATION

DATI TECNICI

Temperatura funzionamento:	-30 / +60°C
Temperatura di stoccaggio:	-30 / +60°C
Tensione di alimentazione:	9,5 – 32 Vd.c.
Materiale contenitore:	PA66 + 30% GF
Grado di protezione:	IP 68*
Display:	Display grafico LCD 128*64

* Protezione completa da polveri e spruzzi d'acqua, garantita nella totale immersione in un metro d'acqua con connettori chiusi da coperchio o con cavi / accessori connessi.



PUMP *ACTIVE* CONTROLLER

MONITORING

- Oil level monitoring
- Hour-counter
- Cooling water temperature monitoring
- Working Hour-counter
- Exhaust gas temperature monitoring
- Exhaust gas pressure monitoring
- Vacuum monitoring
- Tank counter

Display

OUTPUT/FAILURES PREVENTION

- Data recording
- Exhaust gas over heating alert
- Maintenance alerts
- Oil missing alert
- Over pressure alert
- Over vacuum alert
- Over cooling water heating alert

- USB Port
- GPRS+ Modem

ACTIVE ACTION

- Max exhaust pressure setting
- Max vacuum setting
- Cable 4,5 mt 12 V / 24 V
- Max temperature setting
- Working pressure setting (± 0,1 bar)
- Automatic cleaning with Flushing Fluid injection

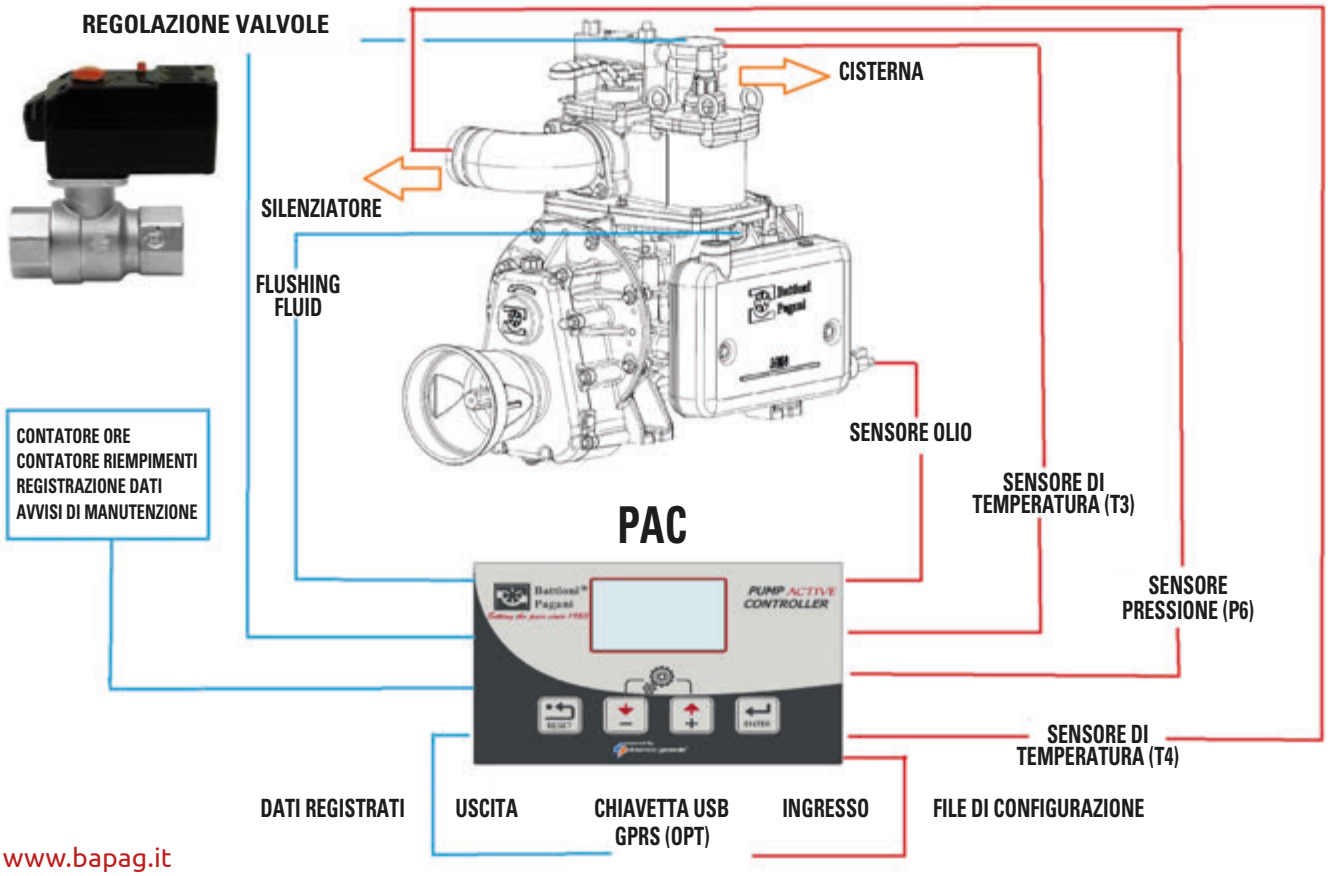
PUMP *ACTIVE* CONTROLLER

APPLICATION

DATI TECNICI

Temperatura funzionamento:	-30 / +60°C
Temperatura di stoccaggio:	-30 / +60°C
Tensione di alimentazione:	9,5 – 32 Vd.c.
Materiale contenitore:	PA66 + 30% GF
Grado di protezione:	IP 68*
Display:	Display grafico LCD 128*64

* Protezione completa da polveri e spruzzi d'acqua, garantita nella totale immersione in un metro d'acqua con connettori chiusi da coperchio o con cavi / accessori connessi.



REVOBLOCK

REVOBLOCK 07

REVOBLOCK 10

NEW

REVOBLOCK 14

FEATURES
- WORKING CONDITIONS: PRESSURE = 6 bar (90 psi)
TEMPERATUR E = -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 ANALYS IS 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
- SOTTOPO STO 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

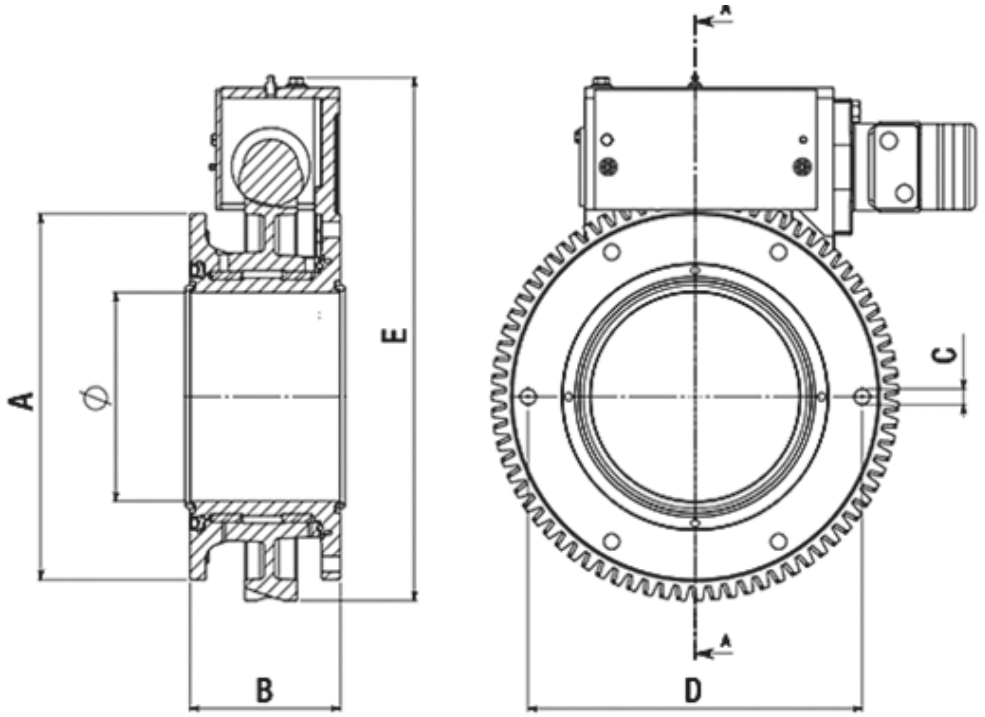
MOTORI IDRAULICI REVOBLOCK 14
TEMPERATURA AMMISSIBILE DELL'OLIO -40 c +140 C
PRESSIONE MAX MOTORE IDRAULICO 200 bar CONTINUA (3050 psi)
PORTATA MAX OLIO 75 l/min. CONTINUA

EIGENSCHAFTEN
- BETRIEBSBEDINGUNGEN : DRUCK = 6 bar (90 psi)
TEMPERATUR = -15° C/ +80°C
- HOCH WIDERSTANDSFÄHIGES SPHÄROLITISCHES GUSSEISEN
- GELIEFERT MIT 2 O-RING FÜR ANSCHLUSS
- ABDICHTUNG MITHILFE 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

DIMENSI

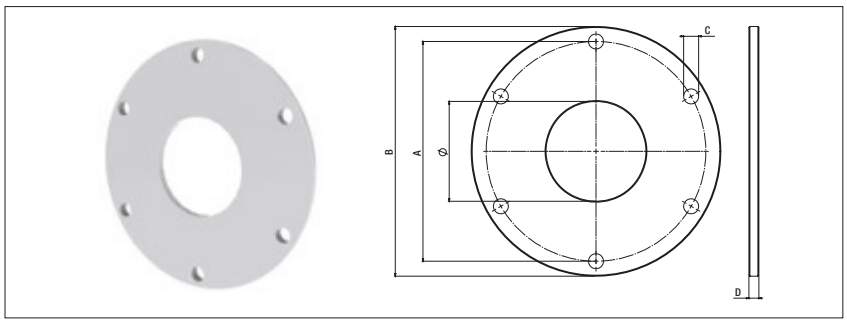


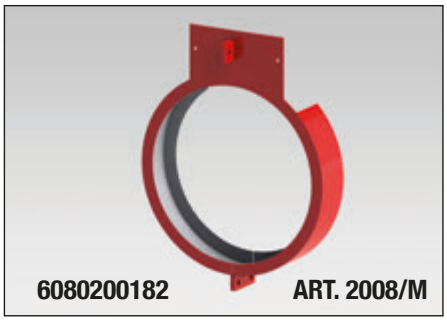
	CODE	Ø	A	B	C	D	E	N. Holes	N. TEETH	Kg	Article
REVOBLOCK 07-D200 w/motor	6080200313	200	350	144	15	320	500	6	75	58	2012/I
REVOBLOCK 07-D250 w/motor	6080200314	250	410	154	15	370	511	8	75	72	2012/K
REVOBLOCK 10-D200 w/motor	6080200289	200	350	144	15	320	500	6	80	65	2009/I
REVOBLOCK 14-D200 w/motor	6080200260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

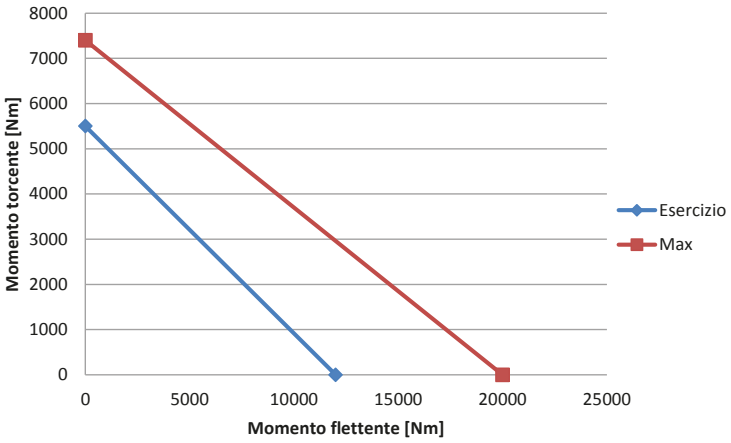
RANGE OIL TEMPERATURE -40° C +140° C
MAX WORKING PRESSURE HYDRAULIC MOTOR 200 bar (3050 psi)
PRESSURE APPLICATION 140 bar
MAX OIL CAPACITY 75 l/min.

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

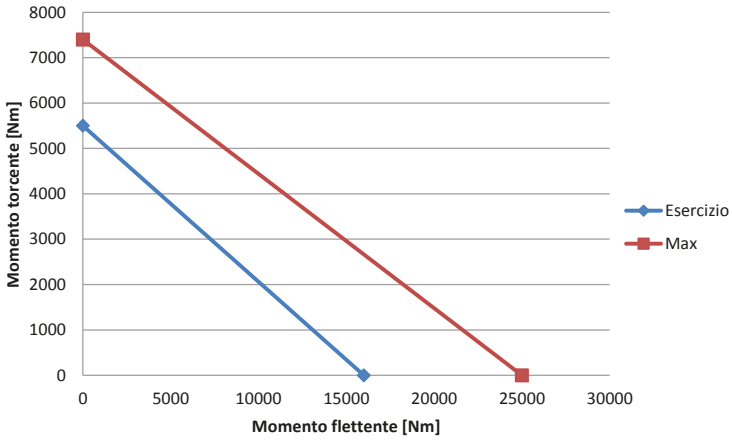
Code	Model	Hydraulic Swivel Joint Rpm	Kg	Article
5020400011	REVOBLOCK 07 - 10 - Ø 200/250	2,7	5.9	2601
5020400041	REVOBLOCK 14 - Ø 200/250	4	10.4	2601/E

CHARTS

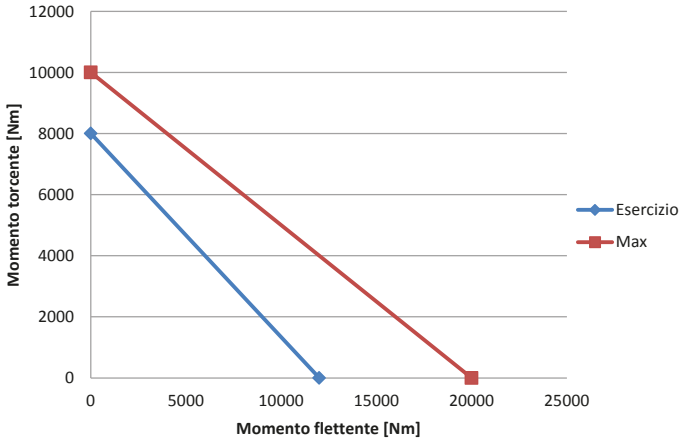
REVOBLOCK 07-D200



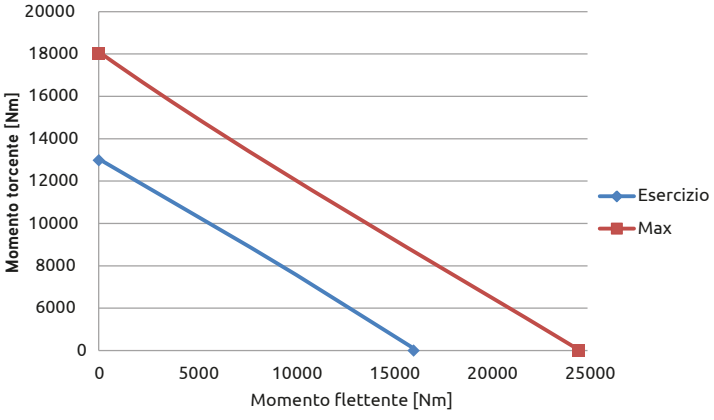
REVOBLOCK 07-D250



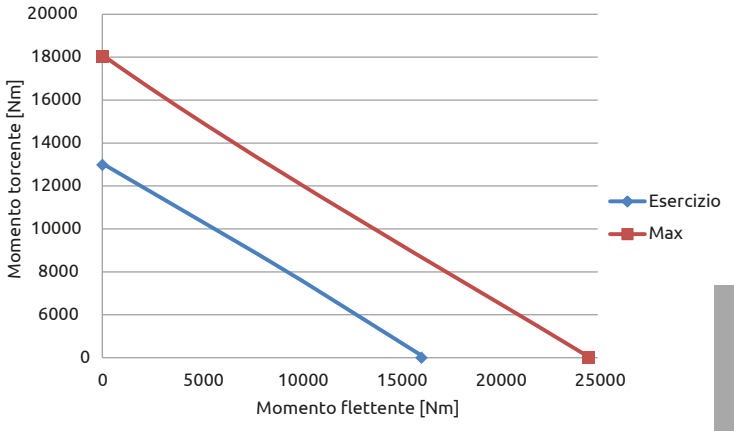
REVOBLOCK 10-D200



REVOBLOCK 14-D200



REVOBLOCK 14-D250



Battioni® Pagani
Setting the pace since 1953

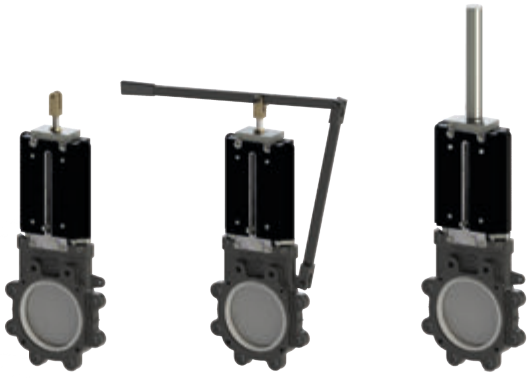
LOCKER

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

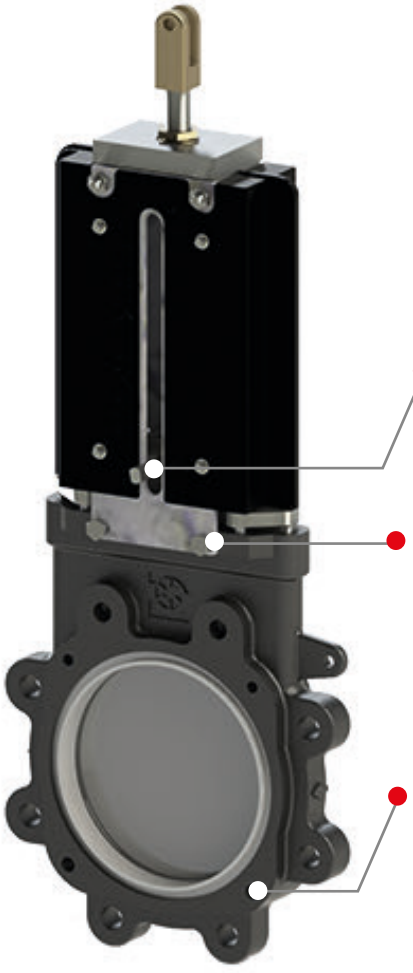
Locker gate valves conform to:

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



STANDARD *LEVER* *HYDRAULIC*

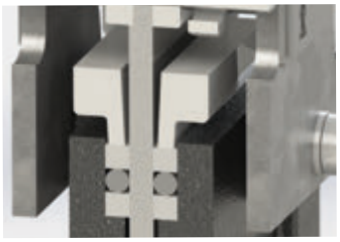
LOCKER					
SIZE DN	Ø 100 (4")	Ø 150 (6")	Ø 200 (8")	Ø 250 (10")	Ø 300 (12")
MAX PRESSURE	10 bar	10 bar	10 bar	8 bar	7 bar
MAX FLUID TEMPERATURE	-20°C/+90°C	-20°C/+90°C	-20°C/+90°C	-20°C/+90°C	-20°C/+90°C



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

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

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



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

- 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

PNEUMATIC

COMPACT PNEUMATIC

LOCKER BiDi

Bi-directional knife gate valve designed for:

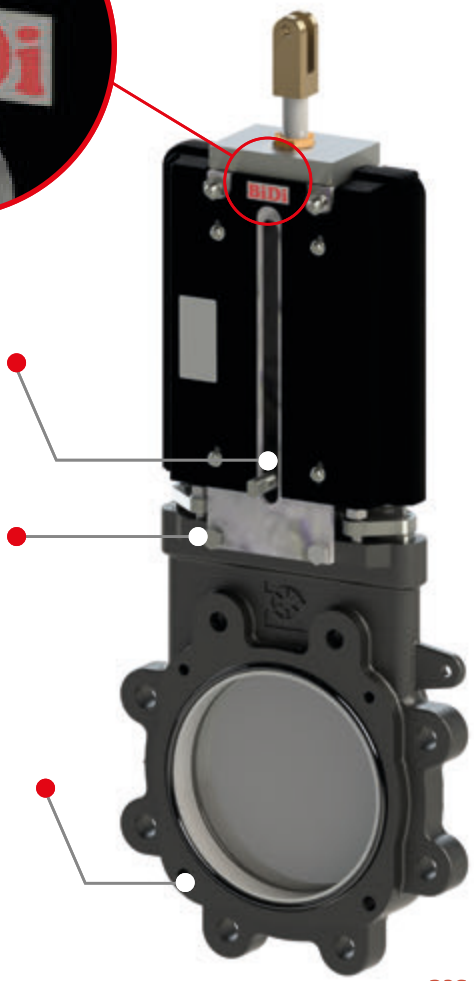
- General industrial service application
- Liquid manure service application
- Biogas industry
- Waste water treatment plants
- Agricultural tankers or vacuum trucks

Locker gate valves conform to:

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

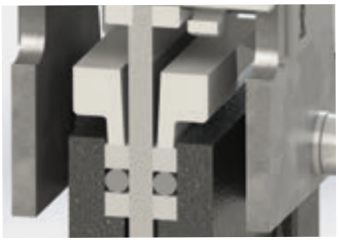
NEW

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 OXIDATIONSBESTÀNDIG 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 DICHTUNGSSYSTEM AUS SEIL MIT GRAPHITZUSATZ UNO GUMMIRING

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

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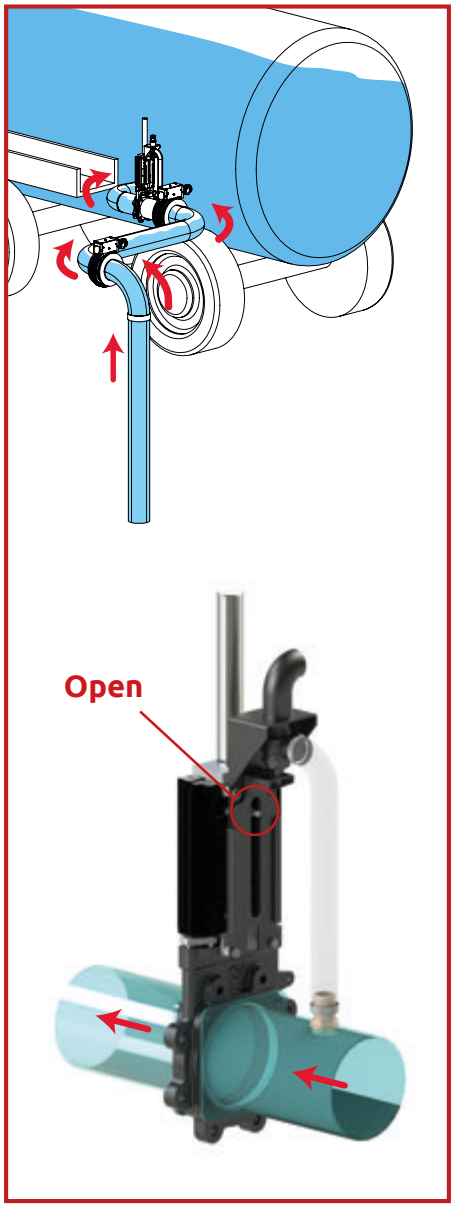
- CUNEO SARACINESCA IN ACCIAIO INOX AISI 304
- CUNEO SCHIEBERVENTIL AUS ROSTFREIEM STAHL INOX AISI 304

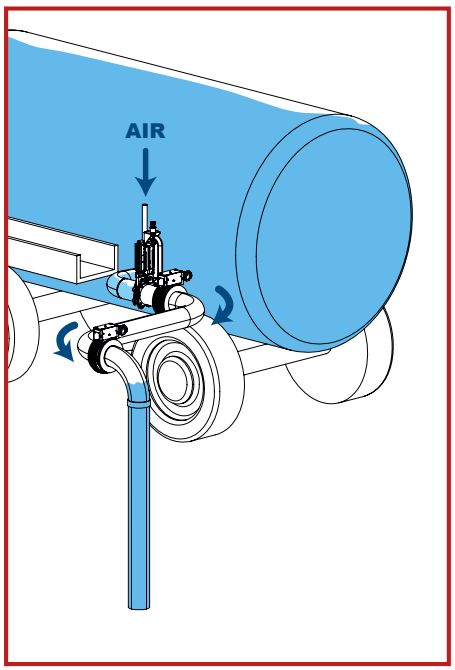
LOCKER FLUSHING KIT

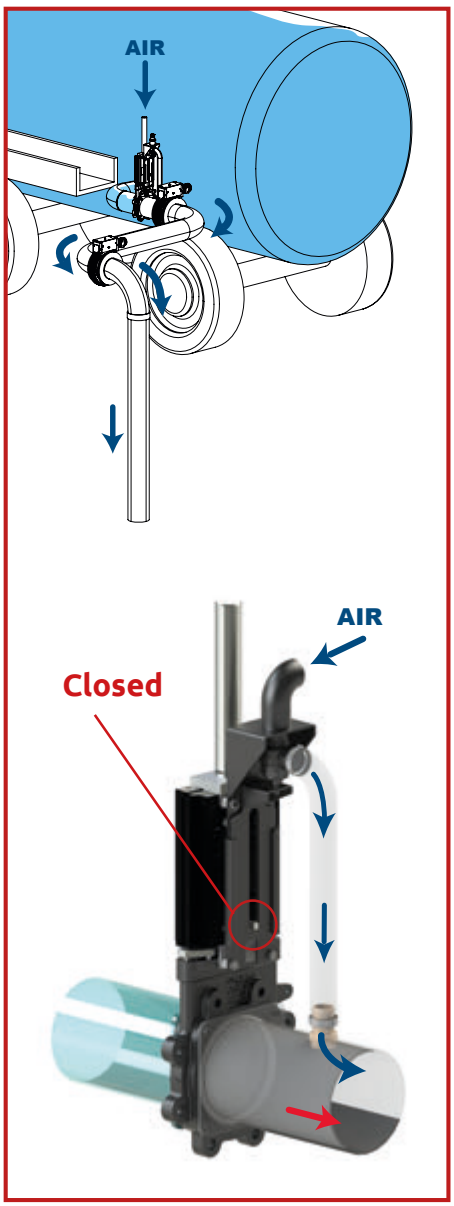
The Locker Flushing Kit gives the operator the possibility to empty the arm at the end of the tank filling, with a simple automatic mechanical drive.
This allows to raise the tube completely empty, without any operator intervention.

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.

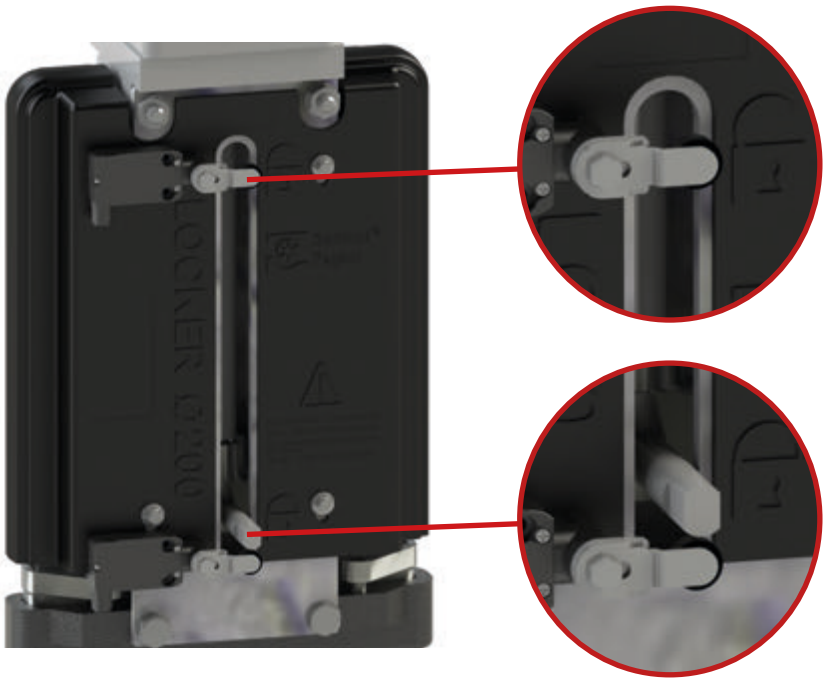
Locker Flushing kit gibt die Moeglickeit zu dem Verwender den Arm am Ende der Fuellung von Tank mit einer einfacher automatischer mekanischer Betreibung zu leeren.
Das erlaubt den Schlauch ganz leer zu heben ohne Intervention des Verwender.







LIMIT SWITCH KIT

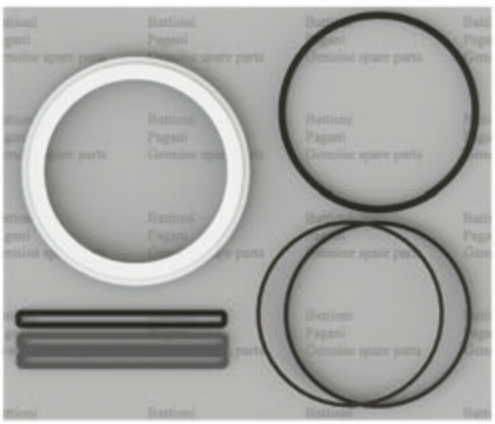


Limit switches with lever:
Contacts configuration: 1NO + 1NC
voltage: 24V DC
Nominal Power: 2A
Operating temperature: -25° C / +80° C
Degree of protection: IP67 EN 60529
Cable entries: M12

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

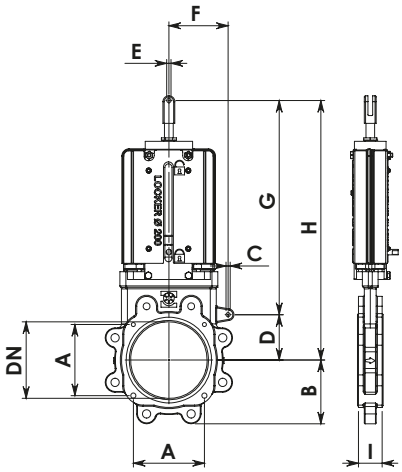
LOCKER SEALING KIT



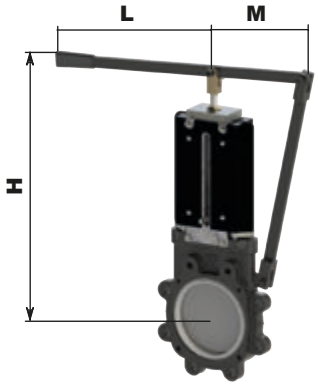
CODE	DN	MODEL	Ø (mm)	Kg	ARTICLE
6080200358	4"	**LIMIT SWITCH KIT Ø 100**	-	0,15	340
6080200383	6"	**LIMIT SWITCH KIT Ø 150**	-	0,15	340/A
6080200384	8"	**LIMIT SWITCH KIT Ø 200**	-	0,15	340/B
6080200385	10"	**LIMIT SWITCH KIT Ø 250**	-	0,15	340/C
6080200386	12"	**LIMIT SWITCH KIT Ø 300**	-	0,15	340/D
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	-

OVERALL DIMENSIONS

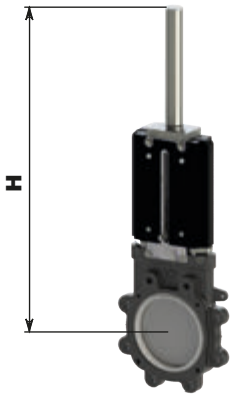
STANDARD



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

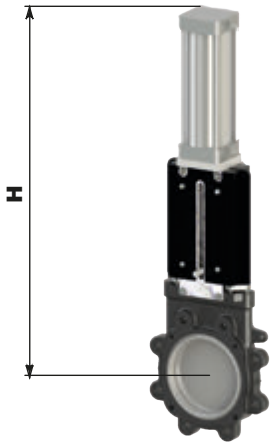
NENNWERTE HYDRAULIKZYLINDER:
- Betriebsdruck Hydraulikzylinder 90–180 bar
- zulässige Öltemperatur -30°C bis + 80°C

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

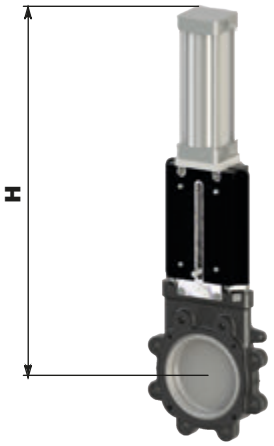


PNEUMATIC

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



PNEUMATIC MAGNETIC

NOMINAL VALUES MAGNETIC PNEUMATIC CYLINDER:
- OPERATING PRESSURE FROM 3.5 ÷ 10 BAR
- temperature from -20°C to +85°C

VALORI NOMINALI CILINDRO PNEUMATICO MAGNETICO:
- pressione di utilizzo da 3,5 ÷ 10 bar
- temperatura da -20°C a +85°C

NENNWERTE MAGNETISCH PNEUMATIKZYLINDER:
- Betriebsdruck 3,5–10 bar
- Temperatur -20°C bis +85°C

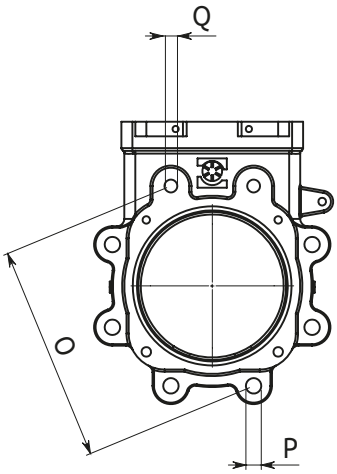
PNEUMATIC	DIN PN 10 UNI EN 1092-1	ANSI 150	H	Kg
LOCKER Ø 100	6080200245	6080200254	635	18
LOCKER Ø 150	6080200142	6080200232	800	21
LOCKER Ø 200	6080200143	6080200236	945	29
LOCKER Ø 250	6080200246	6080200255	1065	47
LOCKER Ø 250 HD	6080200434	6080200463	1065	47
LOCKER Ø 300	6080200247	6080200256	1210	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 250 HD	6080200464	6080200465	1065	47
LOCKER BiDi Ø 300	6080200348	6080200415	1210	56

PNEUMATIC MAGNETIC	DIN PN 10 UNI EN 1092-1	ANSI 150	H	Kg
LOCKER Ø 150	6080200443	6080200448	800	21
LOCKER Ø 200	6080200444	6080200449	945	29
LOCKER Ø 250	6080200445	6080200450	1065	47
LOCKER Ø 250 HD	6080200446	6080200451	1065	47
LOCKER Ø 300	6080200447	6080200452	1210	56
LOCKER BiDi Ø 150	6080200453	6080200458	800	21
LOCKER BiDi Ø 200	6080200454	6080200459	945	29
LOCKER BiDi Ø 250	6080200455	6080200460	1065	47
LOCKER BiDi Ø 250 HD	6080200456	6080200461	1065	47
LOCKER BiDi Ø 300	6080200457	6080200462	1210	56

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

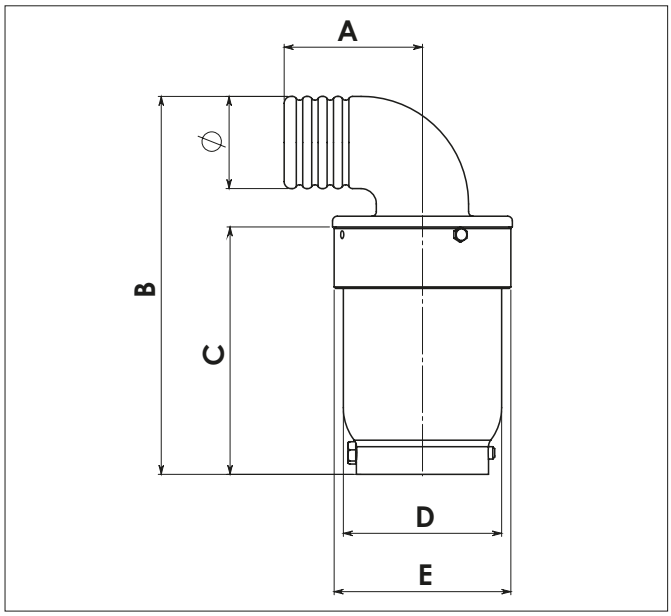
Battioni® Pagani
Setting the pace since 1953

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

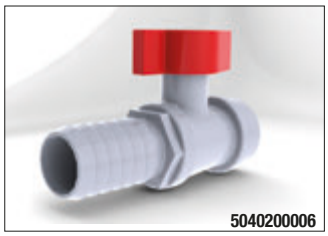
VALVOLA DI SICUREZZA DI TROPPO PIENO/
SOUPAPE DE SECURITÉ DE TROP-PLEIN/ÜBERLAUFSICHERHEITSVENTIL

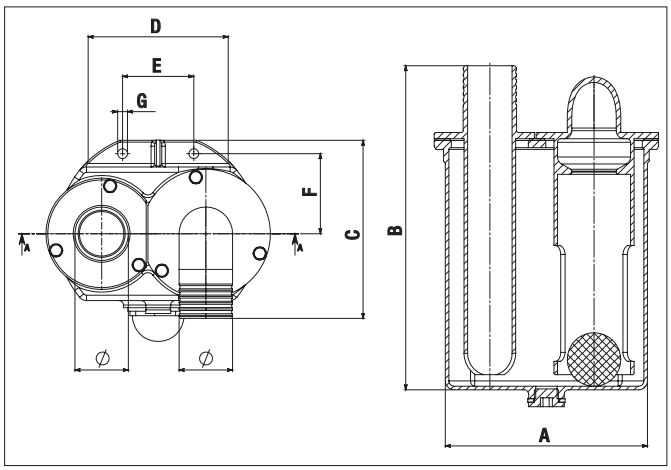
FEATURES

- WORKING CONDITIONS: PRESSURE = 1.5 bar (22 psi)
  TEMPERATURE = -15°C / +80°C
- CONTROL SIGHT GLASS IN CASE OF FLUID INPUT
- DISCHANGE 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

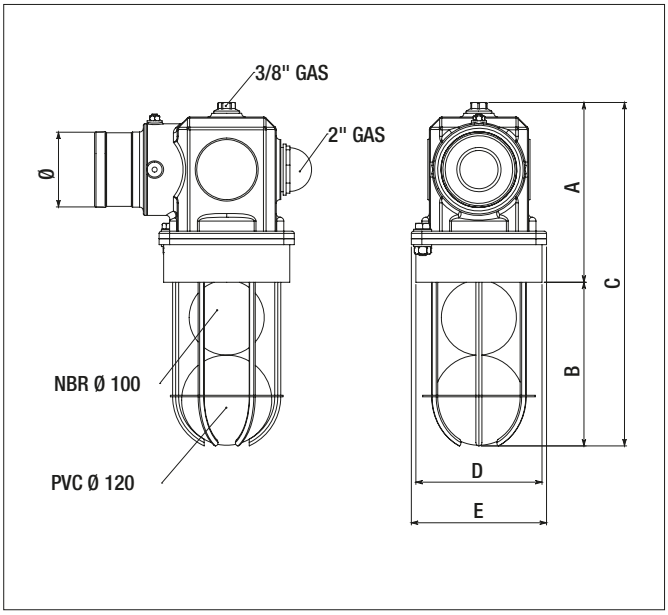
Battioni® Pagani
Setting the pace since 1953

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

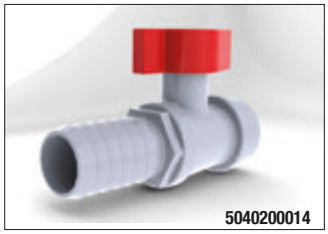
VALVOLA DI SICUREZZA DI TROPPO PIENO/
SOUPAPE DE SECURITÉ DE TROP-PLEIN/ÜBERLAUFSICHERHEITSVENTIL

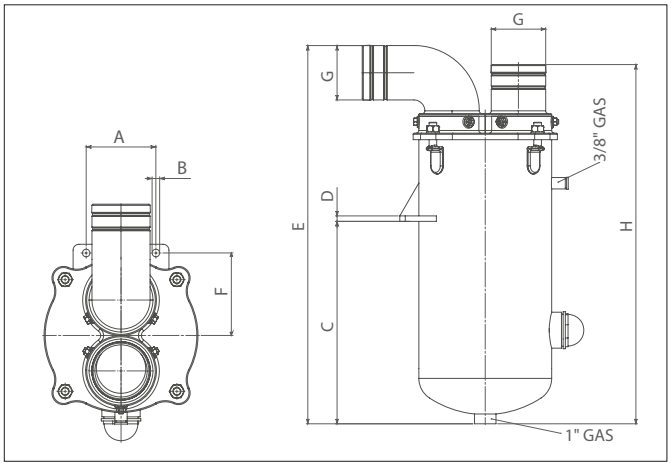
FEATURES

- 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

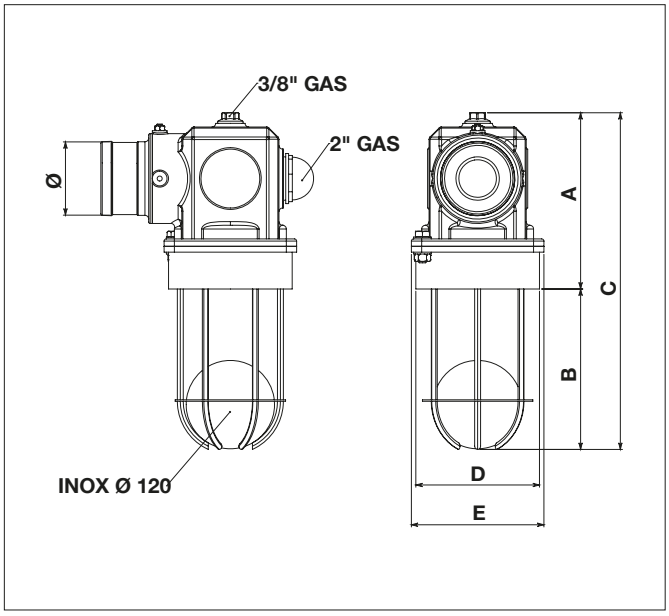
Battioni® Pagani
Setting the pace since 1953

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

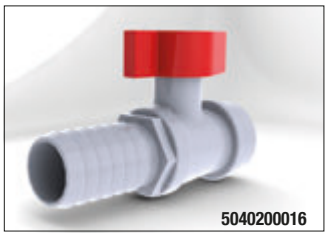
CYCLON SHUT-OFF VALVE Ø 100 - 1100

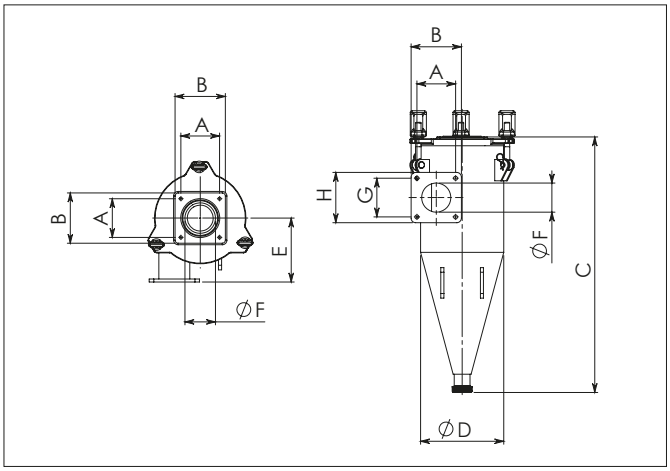
FEATURES

- 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
- OVEPRESSURE VALVE ON REQUEST
- MAX AIRFLOW 18000 l/min

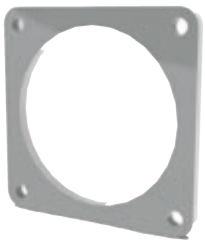
CARATTERISTICHE

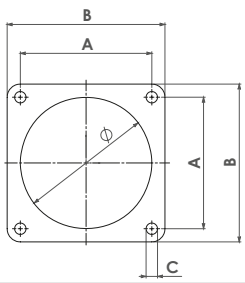
- CONDIZIONI DI ESERCIZIO: PRESSIONE = 1.5 bar (22 psi)
  TEMPERATURA = -15°C / +80°C
- CORPO IN ACCIAIO INOX AISI 304 OPPURE IN ACCIAIO ZINCATO
- SFERA IN ACCIAIO INOX AISI 316 Ø 120
- SPIA DI CONTROLLO
- VALVOLA DI SOVRAPRESSIONE A RICHIESTA
- PORTATA MAX 18000 l/min





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

Battioni ® Pagani

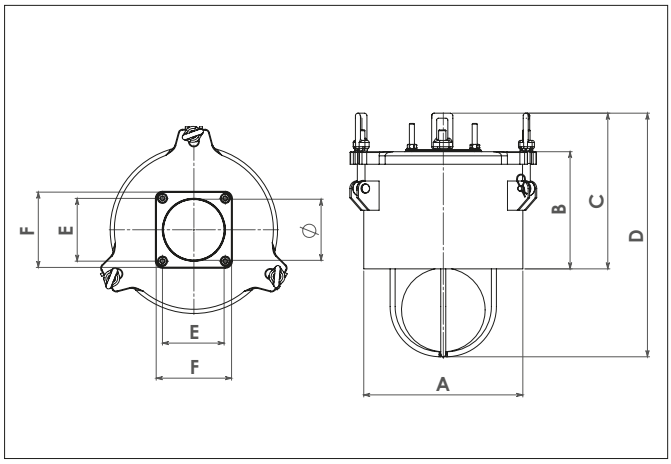
Setting the pace since 1953

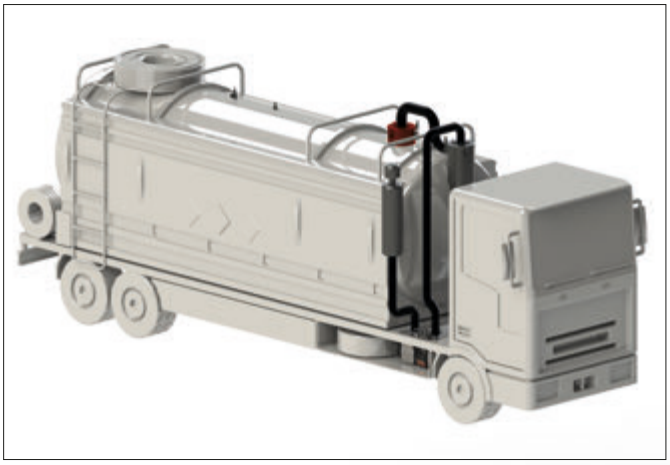
FEATURES

- 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

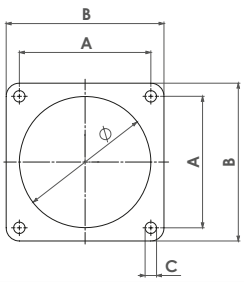
CARATTERISTICHE

- 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





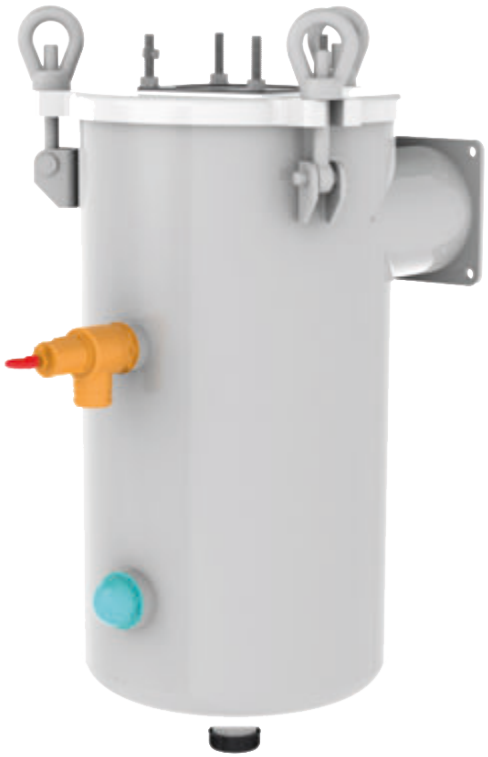
Code	Model	Ø	A	B	C	D	E	F	Kg	Article
6100200023	KTS/KTM/WSM	150	380	280	340	550	150	180	26	2301/G



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

SECONDARY SHUT-OFF VALVE Ø 150 - 3300

VALVOLA SECONDARIA/SOUPAPE SECONDAIRE/SECUNDÄRSVENTIL

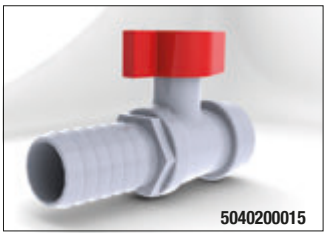


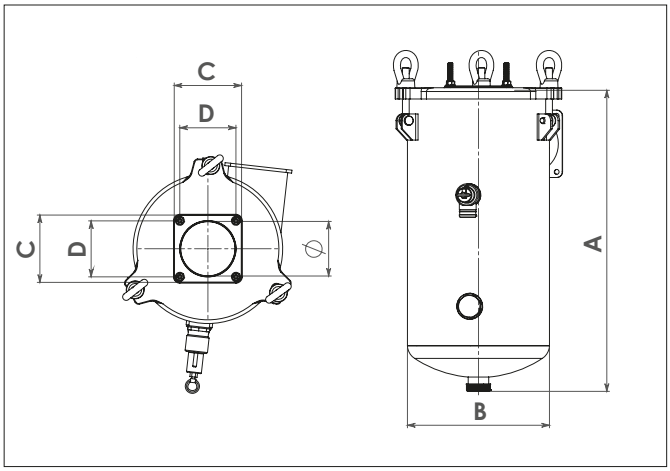
FEATURES

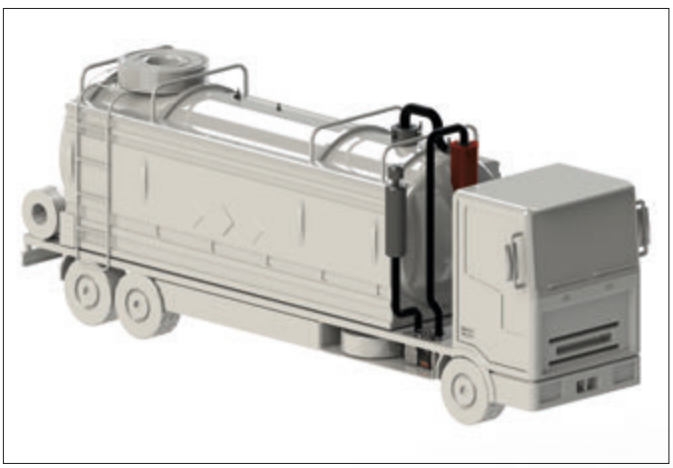
- WORKING CONDITIONS: PRESSURE = 1.5 bar (22 psi)
  TEMPERATURE = -15°C / +80°C
- GALVANIZED STEEL BODY
- Ø 200 STAINLESS STEEL BALL
- OVERPRESSURE VALVE AS STANDARD
- CONTROL SIGHT GLASS
- MAX AIRFLOW 55000 l/min

CARATTERISTICHE

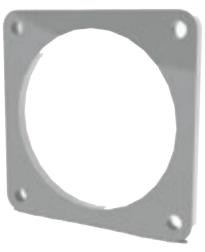
- CONDIZIONI DI ESERCIZIO: PRESSIONE = 1.5 bar (22 psi)
  TEMPERATURA = -15°C / +80°C
- CORPO IN ACCIAIO ZINCATO
- SFERA IN ACCIAIO INOX Ø 200
- VALVOLA DI SOVRAPPRESSIONE DI SERIE
- SPIA DI CONTROLLO
- PORTATA MAX 55000 l/min

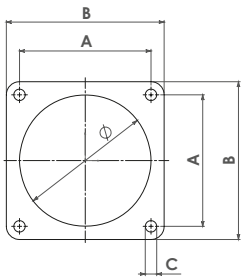






Code	Model	Ø	A	B	C	D	Kg	Article
6100200024	KTS/KTM/WSM	150	840	380	180	150	55	2302/G
5040200015	EXHAUST VALVE Ø 1" 1/2 GAS / RUBINETTO DI SCARICO Ø 1" 1/2 GAS						0.5	321





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

PRIMARY SHUT-OFF VALVE Ø 120 / Ø 150

VALVOLA PRIMARIA/SOUPAPE PRIMARIE/PRIMÄRSVENTIL

Battioni® Pagani

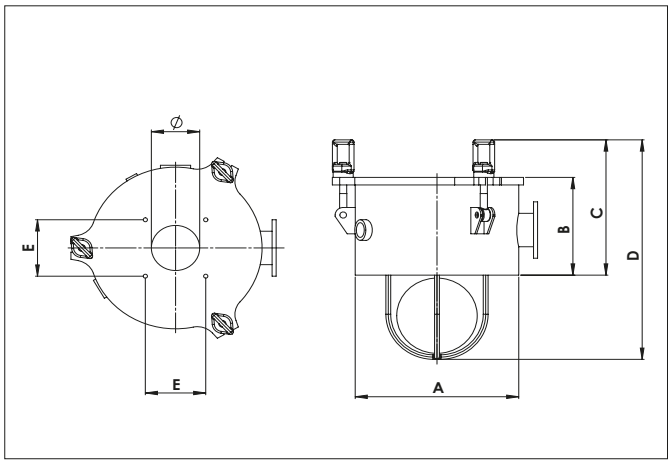
Setting the pace since 1953

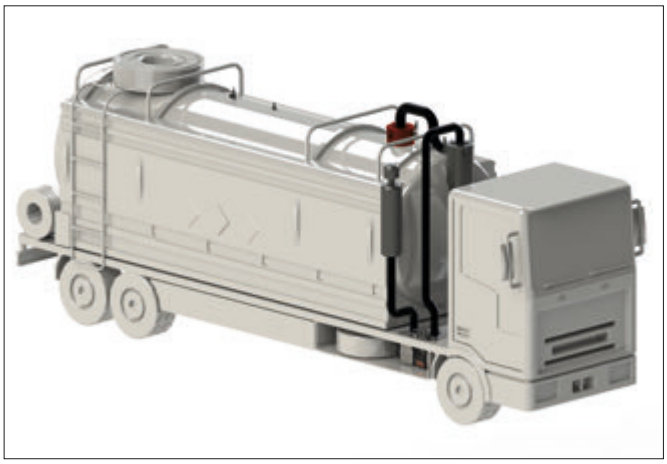
FEATURES

- 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

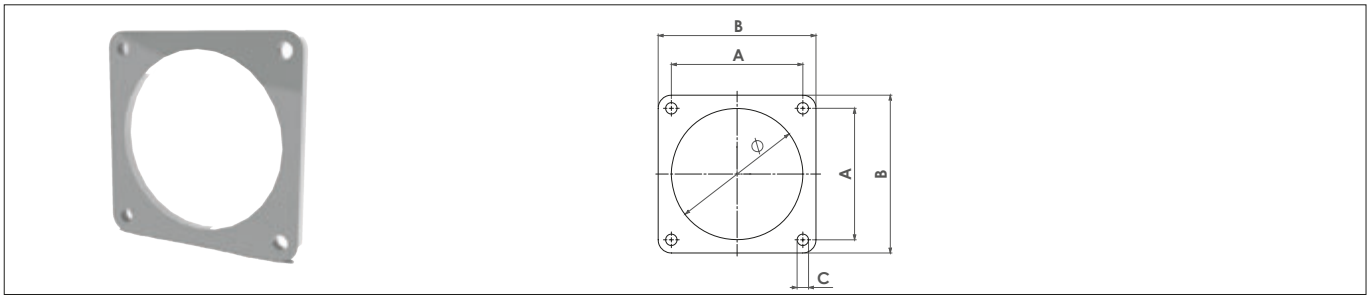
CARATTERISTICHE

- 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

CYCLON SHUT-OFF VALVE 1600 / 2300 / 3300

VALVOLA SECONDARIA/SOUPAPE SECONDAIRE/SECUNDÄRSVENTIL

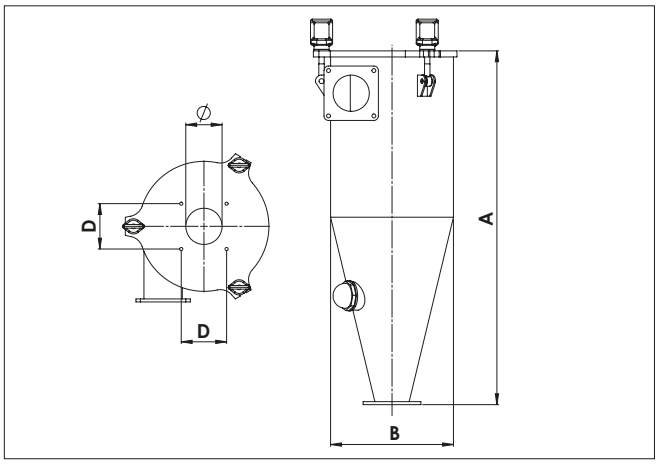
NEW

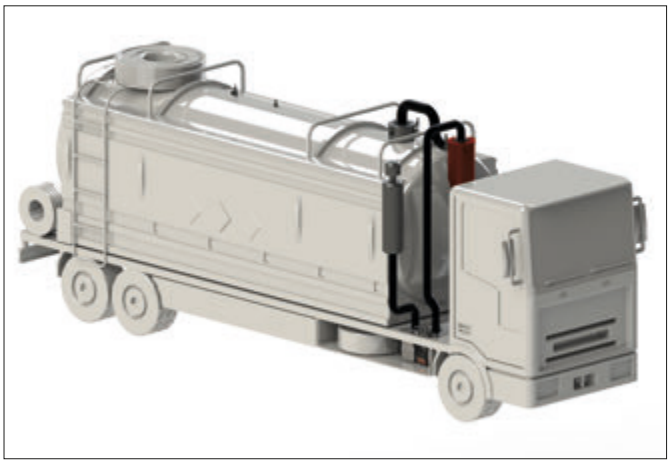
FEATURES

- 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

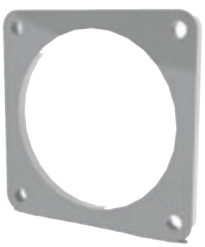
CARATTERISTICHE

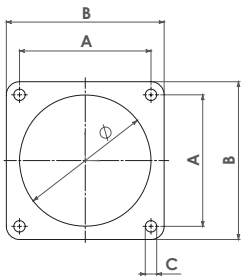
- CONDIZIONI DI ESERCIZIO: PRESSIONE = 1.5 bar (22 psi)
  TEMPERATURA = -15°C / +80°C
- CORPO IN ACCIAIO ZINCATO
- SFERA IN ACCIAIO INOX Ø 200
- VALVOLA DI SOVRAPPRESSIONE DI SERIE
- SPIA DI CONTROLLO
- PORTATA MAX 55000 l/min





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

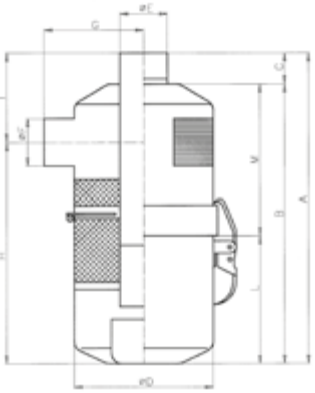




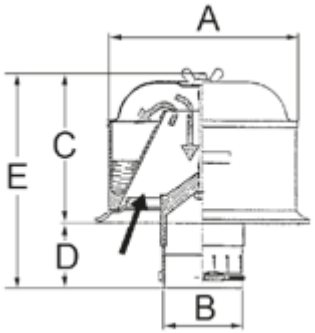
Code	DN	Ø	A	B	C	N. Holes	Thickness	Kg	Article
5010406003	6”	150	150	180	13	4	10	0,8	316/G

FILTER - SILENCER

FILTRO - SILENZIATORE/FILTRE - SILENCIEUX/FILTER-SCHALLDÄMPFER



Code	Model	A	B	C	D	E	F	G	H	I	L	M	Kg	Article
5090000110	MEC 1000/1600/2000	270	230	40	160	58	45	120	195	75	120	110	3	4001/12
5090000083	MEC 2000/5000	385	334	51	187	65	60	131	273	112	162	172	4	4001/7
5090000044	MEC 5000/8000	432	378	54	232	93	80	182	319	113	135	245	7	4001/9
5090000025	STAR/60 MEC 9000-11000	529	475	54	266	93	80	179	399	130	229	246	9.5	4001/10
5090000026	STAR/72-84 MEC 13500 WPT 600-720 BALLAST 16000	558	503	55	322	114	100	210	412	146	241	262	13	4001/11

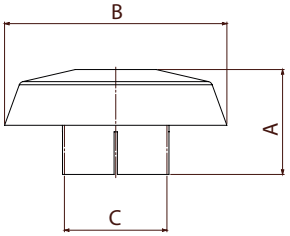


PREFILTER FOR SILENCER

PREFILTRO PER SILENZIATORE/
PREFILTRE POUR SILENCIEUX/ZYKLON

CLAMP AS STANDARD
FASCETTA STRINGITUBO DI SERIE

Code	Model	A	B	C	D	Kg	Article
5090000045	6025.5	154	65	115	70	0.6	4002/5
5090000046	6025.6	222	93	175	60	1.15	4002/6
5090000047	6025.7	222	114	175	60	1.10	4002/7



RAIN CAPS

CAPPELLOTTO PARAPIOGGIA/
COUVERCLE/REGENKAPPEN

CLAMP AS STANDARD
FASCETTA STRINGITUBO DI SERIE

Code	A	B	C	Article
5090000111	64	136	58	4003/0
5090000060	64	136	68	4003/1
5090000061	135	270	96	4003/2
5090000062	135	270	115	4003/3
5090000113	135	270	120	4003/4

SILENCER
SILENZIATORE/ SILENCIEUX
SCHALLDÄMPFER

Code	Pump	A	B	C	D	E	Kg	Article
5090000022	KTS – KTM 1200/1500	1000	100	1200	115	300	30	2303/5
5090000023	KTM 1800-2300	1200	100	1400	120	350	40	2303/6
5090000024	WSM 2700-3300	1200	100	1400	150	400	51	2303/7
5090000094	AIDA	1200	100	1500	120	350	45	2303/8

AIR INJECTION SILENCER
SILENZIATORE INIEZIONE ARIA
AIR INJECTION SCHALLDÄMPFER

Code	Pump	A	B	C	D	E	Kg	Article
5090000095	AIDA	1200	100	1400	100	350	40	2303/9

AIR-WATER FILTER 500 - 1300 - 3300

Battioni® Pagani
Setting the pace since 1953

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 cosi 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 6080200094
WATER FILTER 3300: CODE 6080200095

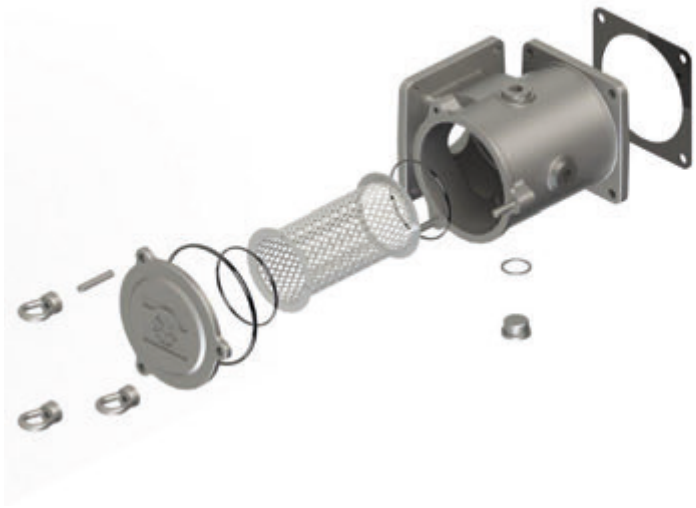
Techincal Data Dati Tecnici		500 air filter	500 water filter	1300 air filter	1300 water filter	3300 air filter	3300 water filter
Max Operating Pressure Pressione max lavoro	bar	1,5	1,5	1,5	1,5	1,5	1,5
Max Operating vacuum Vuoto max lavoro	bar	-0,95	-	-0,95	-	-0,95	-
Max Air Flow rate Portata max aria	m^3/h	500	-	1300	-	3300	-
Max Flow rate of the Water Pump Portata nom. max pompa acqua	l/min (H_2O)	-	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.



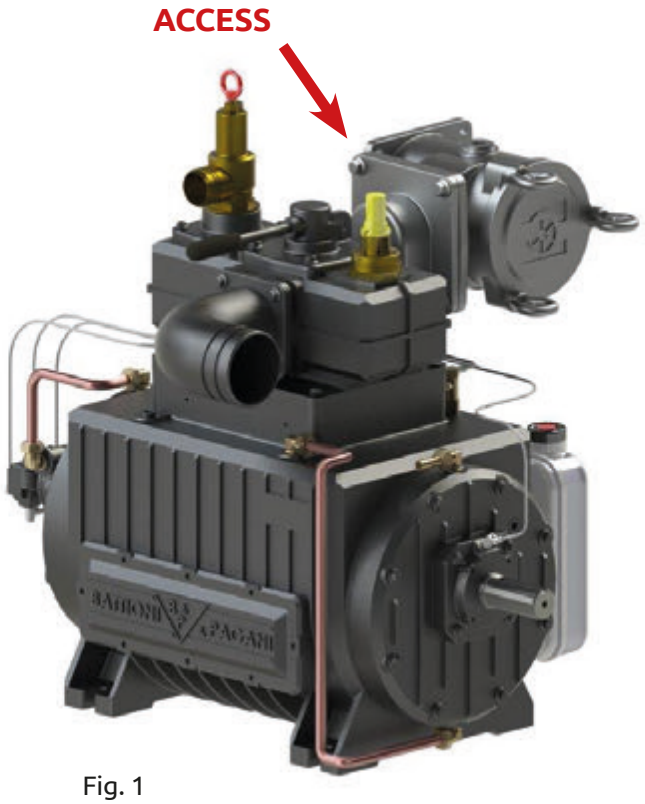


Fig. 1

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

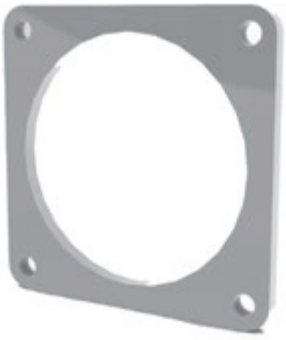
Durante i periodi di non utilizzo e durante la stagione invernale, rimuovere sempre il materiale liquido contenuto nel filtro.
Provvedere alla pulizia del filtro almeno una volta a settimana e ogni qualvolta si ritenga necessario in base all'utilizzo.
Per la pulizia del filtro, si consiglia l'utilizzo di detergenti 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



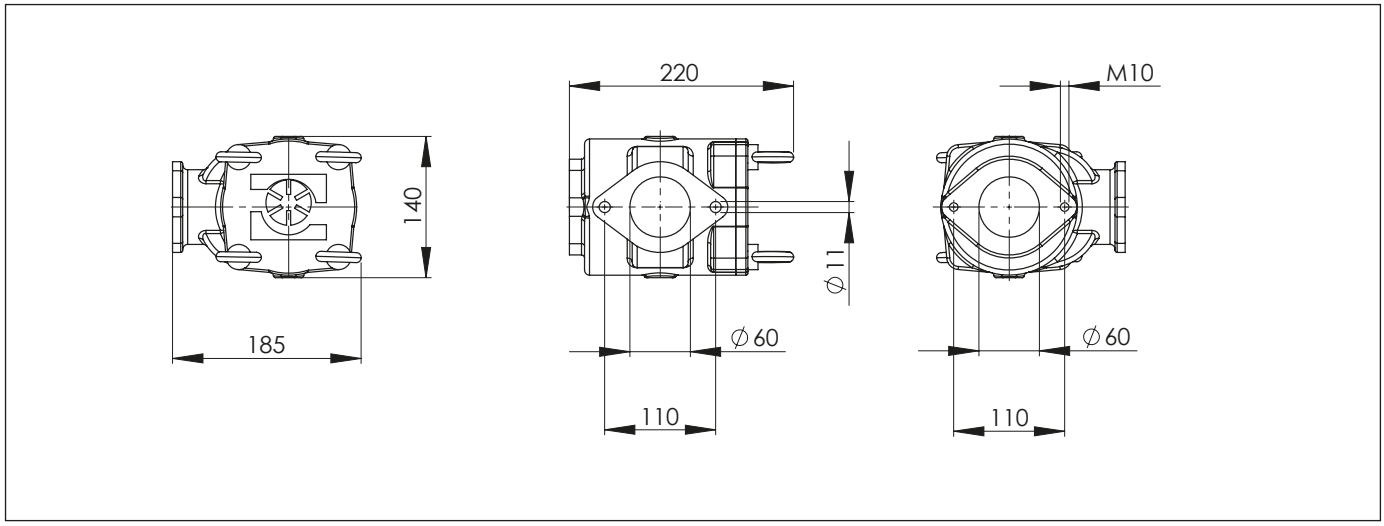
CODE	DN	Ø	kg	ARTICLE
5010406003	6"	150	0,8	316/G

KIT SUPPORT FILTER
KIT SUPPORTO FILTRO

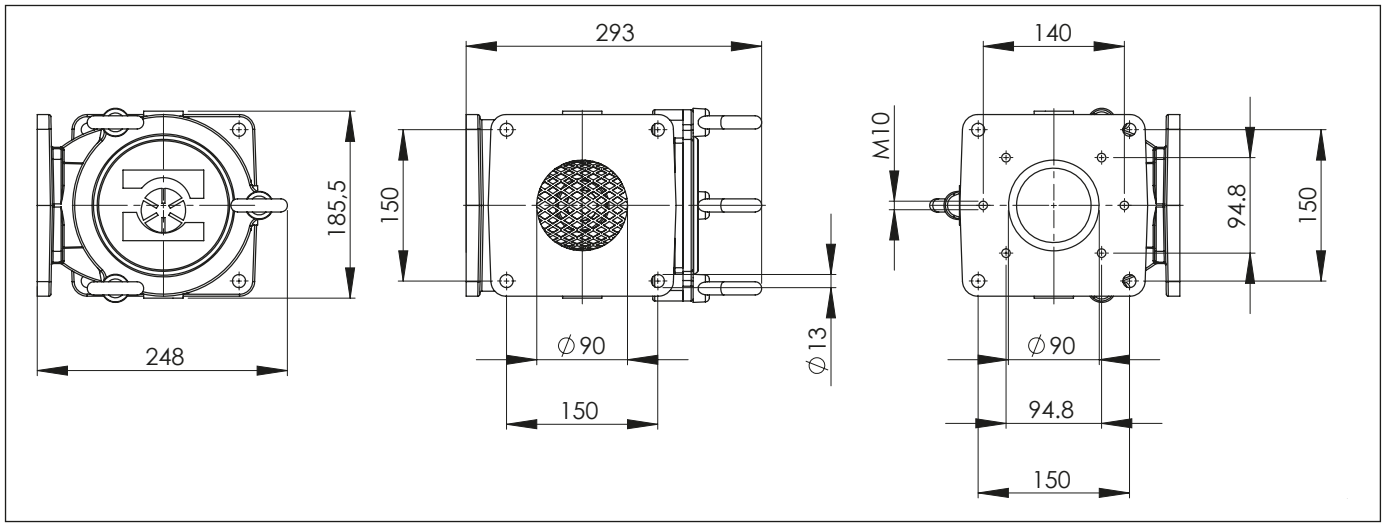
KIT SUPPORT FILTER MEC II / STAR / KTS: 6080200290
KIT SUPPORT FILTER WPT: 6080200291

DIMENSIONS

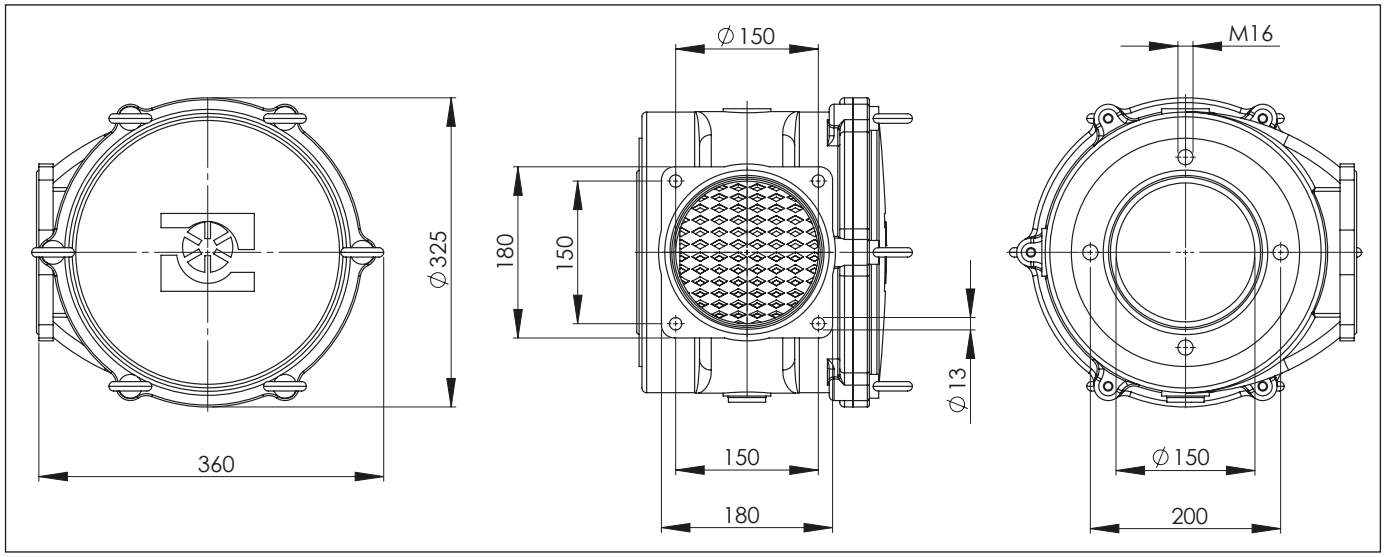
AIR FILTER 500
WATER FILTER 500



AIR FILTER 1300
WATER FILTER 1300



AIR FILTER 3300
WATER FILTER 3300



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

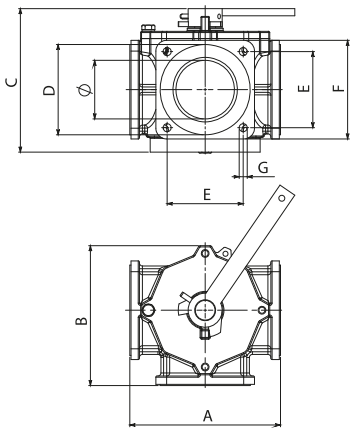
3/4 - WAY VALVE WITH LEVER

CARATTERISTICHE
- CONDIZIONI DI ESERCIZIO : PRESSIONE = 6 BAR (90 PSI)
TEMPERATURA = -15° C / +80°C
- INGRASSAGGIO AGEVOLE

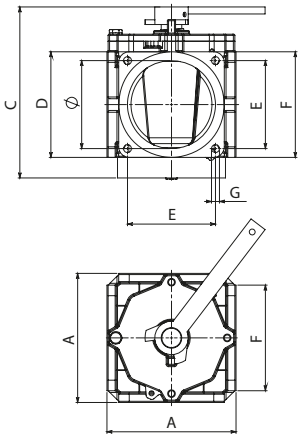
EIGENSCHAFTEN
- BETRIEBSBEDINGUNGEN : DRUCK = 6 BAR (90 PSI)
TEMPERATUR = -15° C / +80°C
- BEQUEMES SCHMIEREN

FEATURES
- WORKING CONDITIONS: PRESSURE = 6 BAR (90 PSI)
TEMPERATURE = -15° C / +80° C
- EASY GREASING

3-WAY VALVE



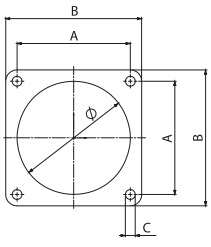
4-WAY VALVE



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

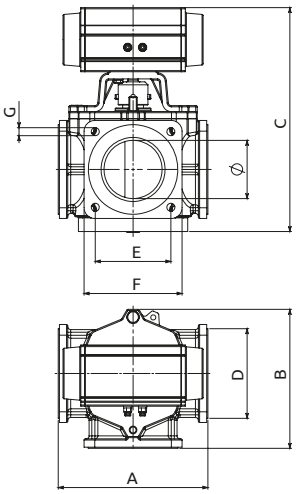
VALORI NOMINALI CILINDRO ROTATIVO PNEUMATICO PLUS:
- PRESSIONE MASSIMA UTILIZZO 8.4 BAR
- TEMPERATURA DA -20°C A +85°C
PER LA VERSIONE STANDARD (NBR)

EIGENSCHAFTEN
- BETRIEBSBEDINGUNGEN:
DRUCK = 6 BAR (90 PSI)
TEMPERATUR = -15°C / +80°C

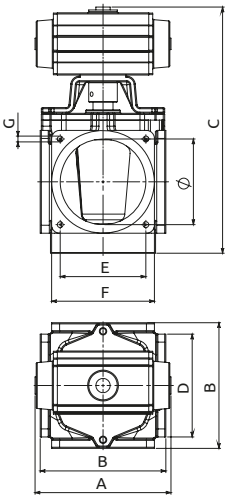
- BEQUEMES SCHMIEREN

NENNWERTE DRUCKLUFTBETRIEBENER DREHZYLINDER PLUS:
- MAXIMALER BETRIEBSDRUCK 8.4 BAR
- TEMPERATUR VON -20°C BIS +85°C
FÜR STANDARDAUSFÜHRUNG (NBR)

3-WAY VALVE



4-WAY VALVE



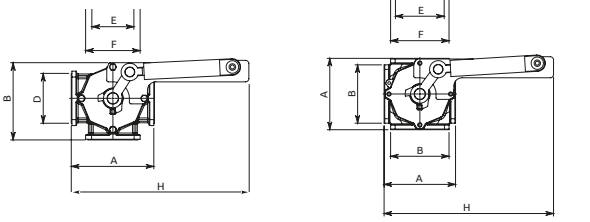
TECHNICAL DATA - OVERALL DIMENSIONS

	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

FEATUR ES
- 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)

4-WAY VALVE



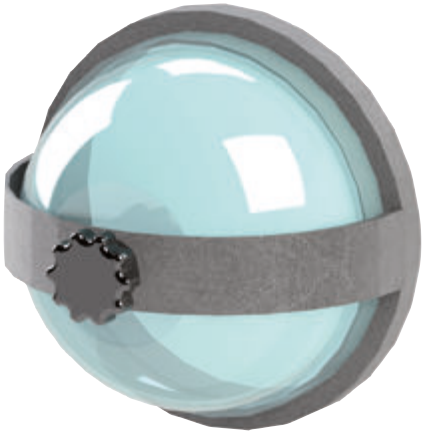
CARATTERISTICHE
- CONDIZIONI DI ESERCIZIO: PRESSIONE = 6 BAR (90 PSI)
TEMPERATURA = -15°C / +80°C
- INGRASSAGGIO AGEVOLE
VALORI NOMINALI CILINDRO IDRAULICO:
- TEMPERATURA AMMISSIBILE DELL'OLIO - 30°C + 80°C
- PRESSIONE MASSIMA CILINDRO IDRAULICO 150 BAR (2175 PSI)

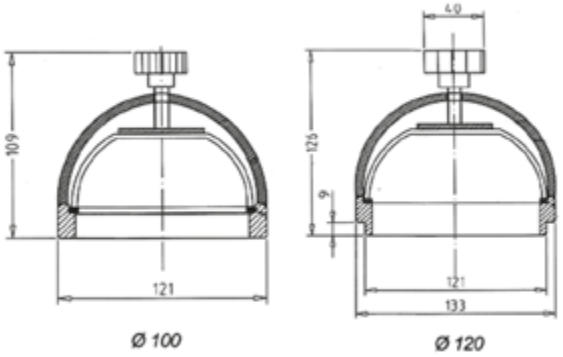
EIGENSCHAFTEN
- BETRIEBSBEDINGUNGEN: DRUCK = 6 BAR (90 PSI)
TEMPERATUR = -15°C / +80°C
- BEQUEMES SCHMIEREN
NENNWERTE HYDRAULIKZYLINDER:
- ZULÄSSIG ÖLTEMPERATUR - 30°C + 80°C
- MAXIMALER DRUCK HYDRAULIKZYLINDER 150 BAR (2175 PSI)

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

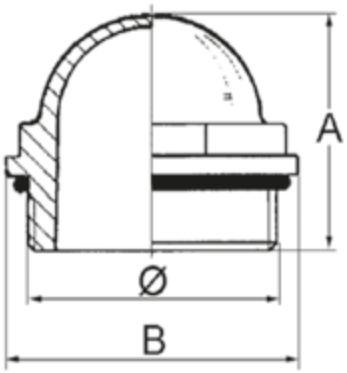
SIGHT GLASS





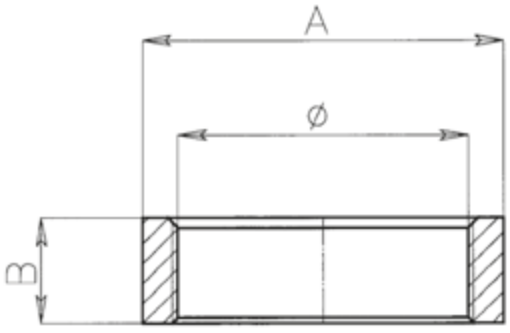
CODE	Model	Kg	Article
5060105007	Ø 100	0.9	2105/E
5060105008	Ø 120	1.2	2105/F

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	0.28	V 70
5060410104	200	1.32	V 37

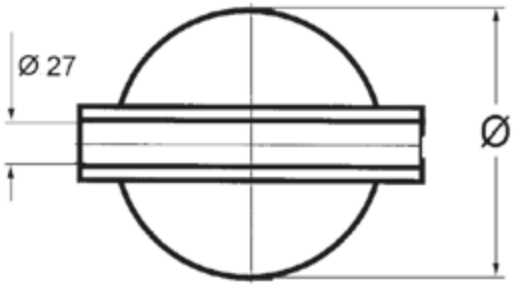
LIGHT RUBBER BALL

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



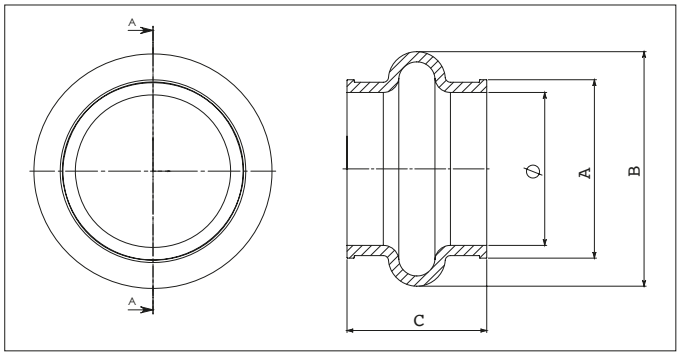
CODE	Ø	Kg	Article
5060410103	200	0.595	3602/H

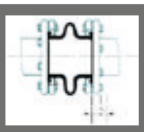
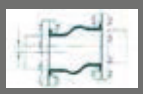
RUBBER COUPLING JOINT

FEATURES

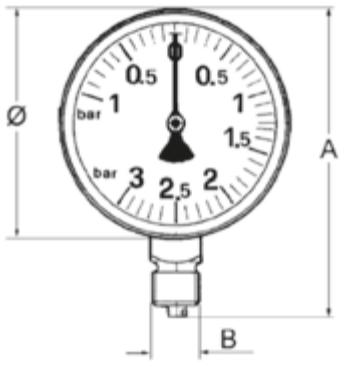
WORKING CONDITIONS:

PRESSURE = 1.5 BAR (22 PSI)
TEMPERATURE = 15°C / +60°C



Code	Ø	A	B	C				Kg	Article
6090200004	150	177	230	135	-15 +10 mm	8 mm	10°	1.1	1101/G
6090200005	200	228	280	150	-15 +10 mm	8 mm	10°	1.4	1101/H
6090200006	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

	HYDRAULIC ENGINE	MAX PUMP WORKING PRESSURE (bar)	DISPLACEMENT (cm3/r)	RACCOMANDED 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"

HYDRAULIC MOTORS
MOTORI IDRAULICI
HYDRAULIKMOTOREN

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	HYDRAULIC ENGINE	MAX PUMP WORKING PRESSURE (bar)	DISPLACEMENT (cm3/r)	RACCOMANDED SPEED (r/min)	REQUESTED PRESSURE (bar)	MAX WORKING PRESSURE (bar)	MAX WORKING POWER (Kw)	PORT CONNECTORS DIMENSIONS
BR EVO 50/H	OR 100	10	99,8	500	160	175	11,4	G 1/2" - G 1/2"
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"
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"
GARDA EVO	GS - 130	-	129	1000	250	400	48	G 1" - G1"
GARDA EVO - COMBI	TF 1.5 240	-	240	1000	250	350	85,4	G 1" - G1"
AIDA 16000	KM 30,73	1	73,82	1000	170	180	19,1	G 1" - G 1" 1/4
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 BALLAST3500-7500
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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