

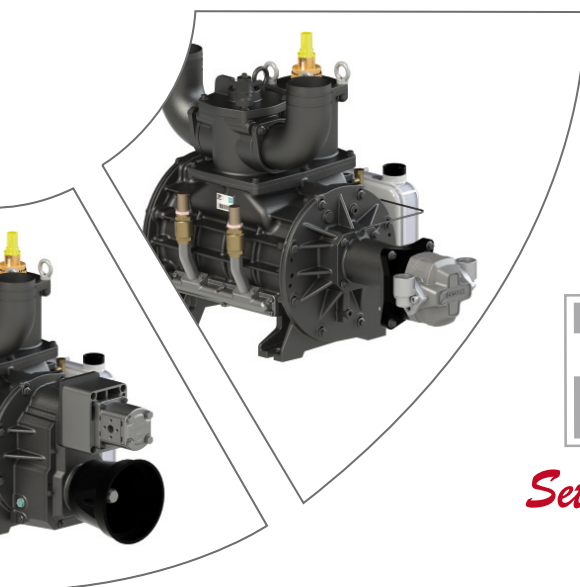
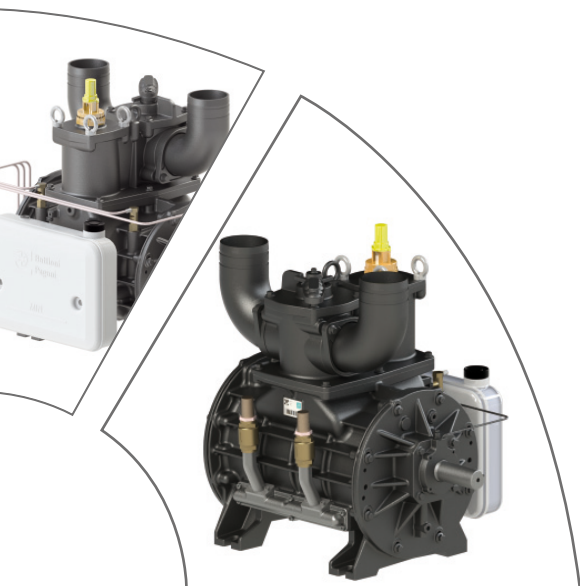
BALLAST

16000

Technical catalogue

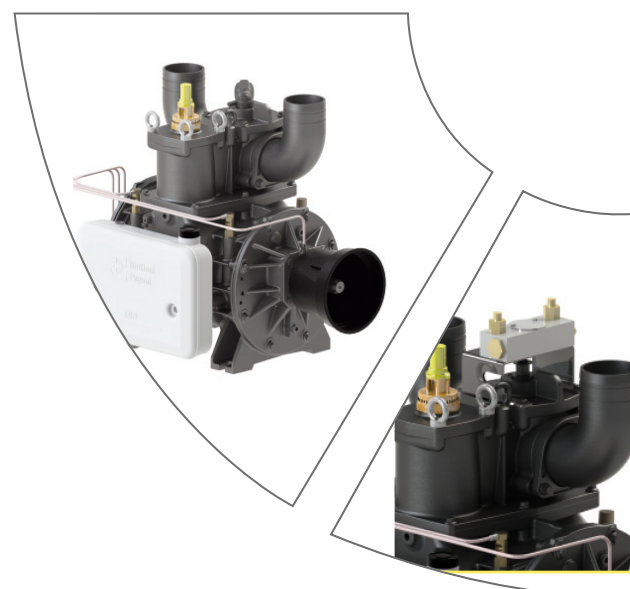
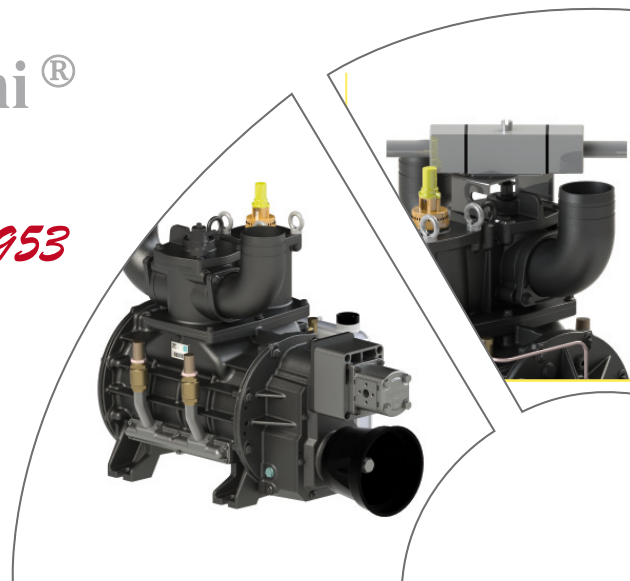
Catalogo tecnico

Technischer Katalog



Battioni®
Pagani

Setting the pace since 1953



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**Battioni®
Pagani**

Setting the pace since 1953



Clapet non-return valve

Valvola di non ritorno clapet
Kontrollventil als Serie

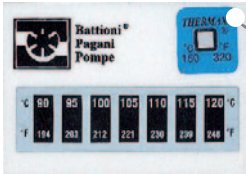
Automatic lubrication pump as standard

Pompa di lubrificazione automatica di serie
Automatische Schmierung als Serie



Temperature indicator

Rilevatore di temperatura
Temperaturdedektor

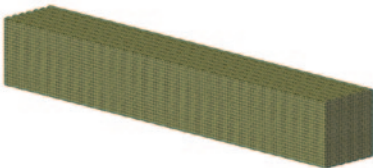


160° C Irreversible indicator

Indicatore Irreversibile 160° C
irreversibel
Anzeiger 160°C

Long Life blades as standard

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



High wearing resistance thanks to cast-iron with high hardness

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

Air injection cooling

Iniezione aria di raffreddamento
Injektion der Luftkühlung

Selector vacuum - pressure

Selettore Vuoto - Pressione
Wähler von Vakuum/Druck



**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

CRASH PROTECTION SYSTEM

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

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

External Side oil tank

Serbatoio olio laterale
Externe Seitenöltank

Blades inspection hole

Foro ispezione palette
Bohrung für Lamellen Prüfung

Vaness inspection hole with max wearing indicator

Tacca per rilevamento usura palette
Ausrichtmarke für die Abnutzung der Palette

VERSIONS



BALLAST - M/MA



BALLAST - P



BALLAST - D



BALLAST - H



BALLAST - K/KA

Air injection cooled -
Rotary Vanes Vacuum/
Pressure pump

Discover the Crash Protection System





BALLAST

16000

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.

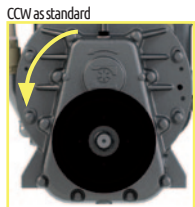
The BALLAST is the ideal pump for heavy duty applications.



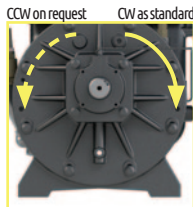
STANDARD FEATURES

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

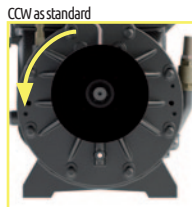
VERSIONS



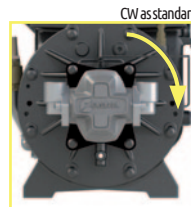
Version M / MA
Splined shaft
1"3/8 - Z6 ISO 500



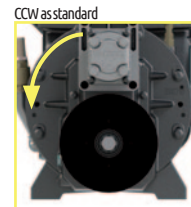
Version P
Smooth Cylindrical shaft,
Ø40, lenght: 93 mm
Parallel key UNI 66041



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



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



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

TECHNICAL DATA

	Geometrical capacity			Max rpm			Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg			
	m³/h	l/min	cfm	M/K	P/D/H	MA/KA					M	P/D	H	K/KA
BALLAST 16000	913	15210	537	540	1400	1000	2,5 (36)	95% (28,5")	70% (21")	33 (44,2)	230	210	215	220

OPTIONALS



Hydraulic Changeover
Code 6080200315



Hydraulic Revolving Changeover
Code 5090000108



Pneumatic Revolving Changeover
Cod. 6080200306



Pneumatic Revolving Changeover - 3 Positions
Code 6080200307



Battioni Vacuum Pump Oil
Code 5070200100



Customized Painting




ACCESSORIES

Air injection cooled -
Rotary Vanes Vacuum/
Pressure pump


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



06

Filter - Silencer
Code 5090000026
BALLAST 16000
Hose connection:
Ø 80/100 mm
Weight: 9,5/13 kg



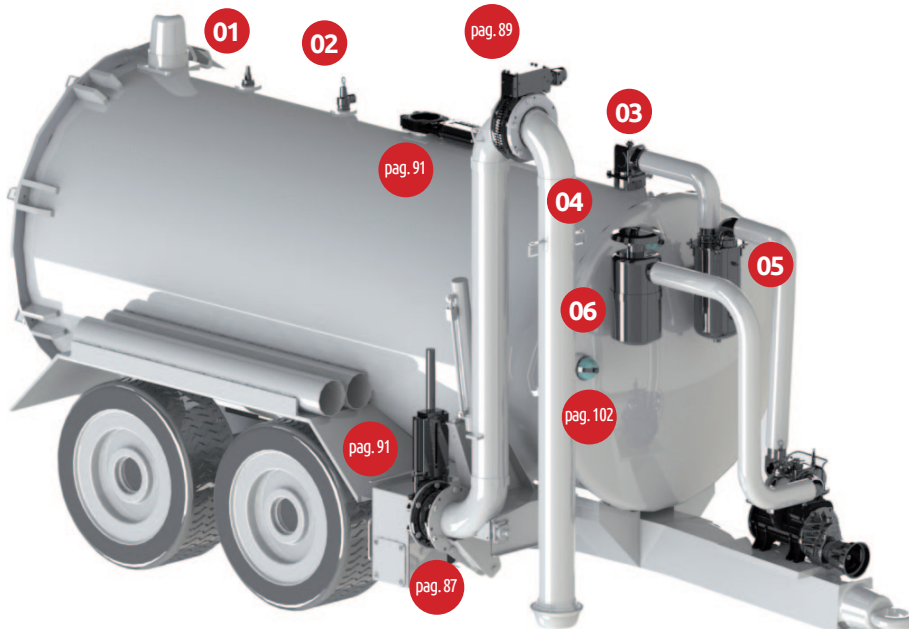
04A

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



04B


Pre-Filter
Code 5090000047
BALLAST 16000

Tank with side pipe


03A

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



03B

Primary Overflow 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: 35,6/20,5 kg



05A

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



05B

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

