

# BALLAST

## 16000

Technical catalogue

Catalogo tecnico

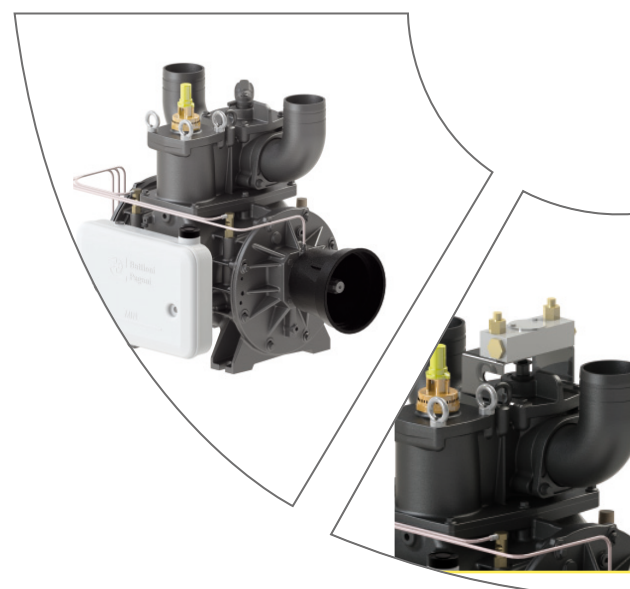
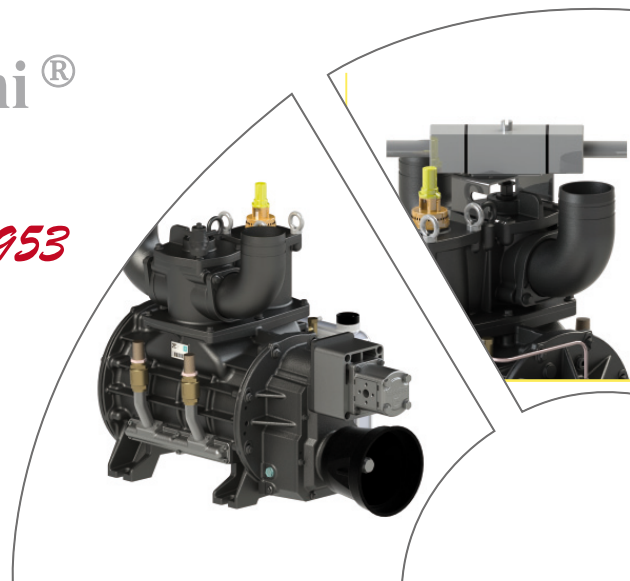
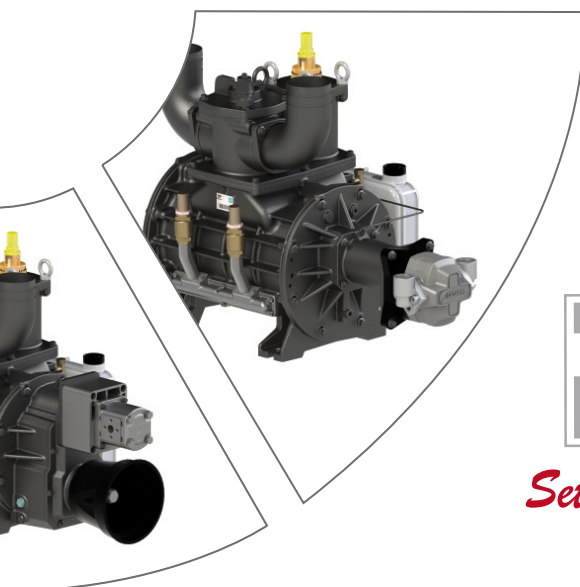
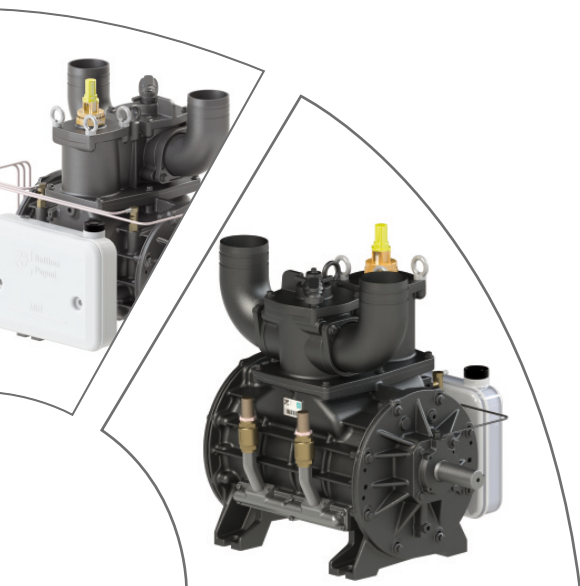
Technischer Katalog



Battioni®

Pagani

*Setting the pace since 1953*





**Battioni®  
Pagani**

*Setting the pace since 1953*



**Clapet non-return valve**

Valvola di non ritorno clapet  
Kontrollventil als Serie

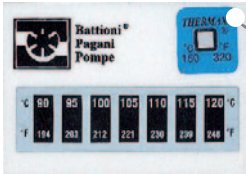
**Automatic lubrication pump as standard**

Pompa di lubrificazione automatica di serie  
Automatische Schmierung als Serie



**Temperature indicator**

Rilevatore di temperatura  
Temperaturdedektor

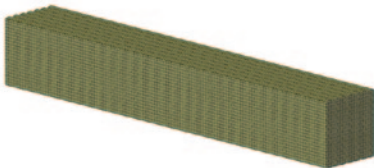


**160° C Irreversible indicator**

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

CCW as standard



#### Version M / MA

Splined shaft  
1"3/8 - Z6 ISO 500

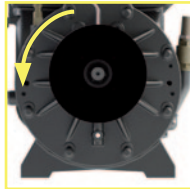
CCW on request CW as standard



#### Version P

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

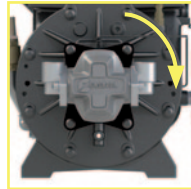
CCW as standard



#### Version D

Splined shaft  
1"3/8 - Z6 ISO 500

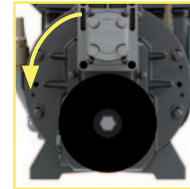
CW as standard



#### Version H

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

CCW as standard



#### Version K / KA

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

### TECHNICAL DATA

	Geometrical capacity			Max rpm			Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg			
	m³/h	l/min	cfm	M/K	P/D/H	MA/KA					M	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



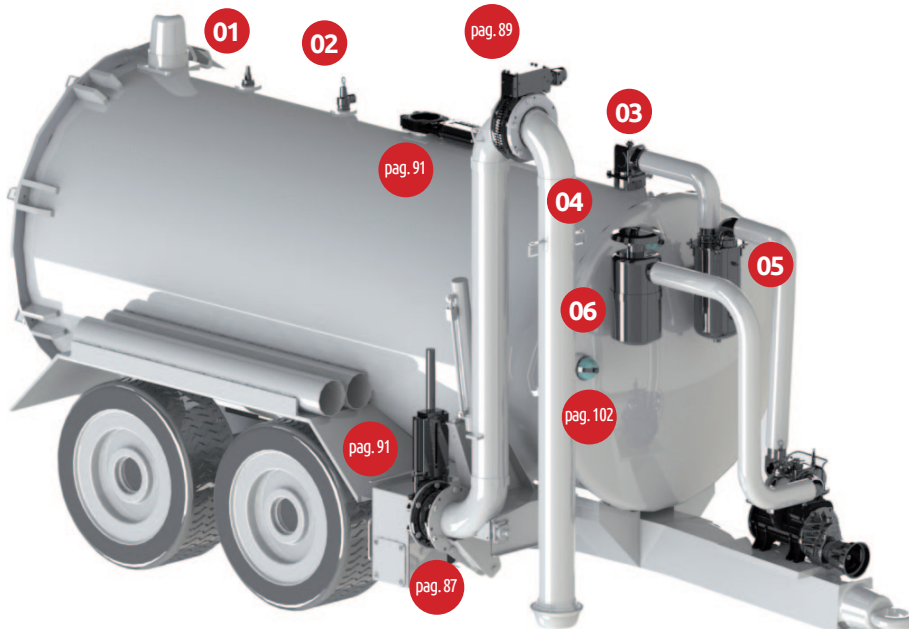
**04A**

**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-  
Ø 80 SS  
Code 6100200028-  
Ø 100 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

