



**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 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 CPS - Crash Protection System*



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



# 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, Poppet Check valve
- Available hoses connections: Ø 76 mm (3") / Ø 80 mm / Ø 100 mm (4")

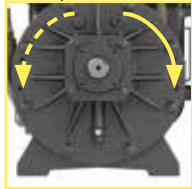
### VERSIONS

CCW as standard



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

CCW on request CW as standard



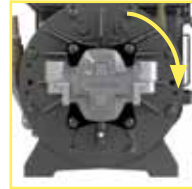
**Version P**  
Smooth Cylindrical shaft,  
Ø 40, lenght:93 mm  
Parallel key UNI 6604

CCW as standard



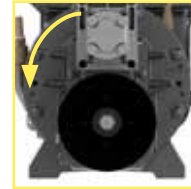
**Version D**  
Splined shaft  
1 3/8 - Z6 ISO 500

CW as standard



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

CCW as standard



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

### TECHNICAL DATA

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

### OPTIONALS



**Hydraulic Changeover**  
Code 6080200315



**Hydraulic Revolving Changeover**  
Code 5090000108



**Pneumatic Revolving Changeover**  
Cod. 6080200306



**Pneumatic Revolving Changeover - 3 Positions**  
Code 6080200307



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

**NEW**



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

**NEW**



**Flushing Kit**  
Code 6080200325

**NEW**



**Kit Overpressure 2"**  
Code 6080200389



**Customized Painting**



## ACCESSORIES



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



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



**Pulley with pneumatic  
clutch**  
Code 6080200034

Air injection cooled -  
Rotary Vanes Vacuum/  
Pressure pump



Tank with side pipe



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



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



**Pre-Filter**  
Code 5090000047  
BALLAST 16000



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



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



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



**Discharge Valve - 1"**  
Code 5040200014  
**Discharge Valve - 1" 1/4**  
Code 5040200016  
To be fitted on Secondary  
valve



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



**Cyclon valve - 110**  
Code 6100200033- Ø100  
Housing: Galvanized Mild Steel  
Cover: aluminum  
Weight: 35 kg





Battioni®  
Pagani

*Setting the pace since 1953*



**Battioni Pagani Pompe S.p.A.**

Via Enzo Ferrari, 2  
43058 Sorbolo (PR) - Italy

Ph. +39 0521 663203

Fax +39 0521 663206



[www.bapag.it](http://www.bapag.it)  
[info@bapag.it](mailto:info@bapag.it)

