



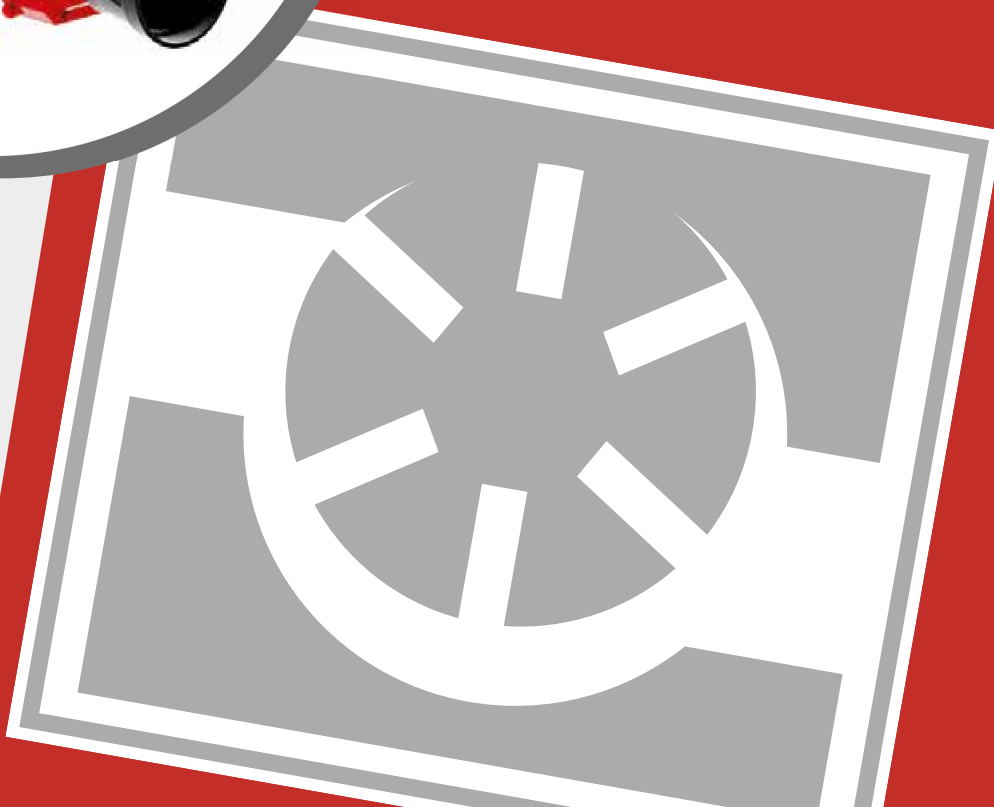
**Battioni®**  
**Pagani**

*Setting the pace since 1953*



**Technical Catalogue**  
Catalogo Tecnico  
Technischer Katalog

**2020**  
**STAR**  
60 - 72 - 84



**[www.bapag.it](http://www.bapag.it)**

rev. 2 del 15/10/2020



**Battioni®  
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**Kit Aluminum Final Air Filter**  
Kit filtro aria alluminio  
Saugfilter Satz

**Predisposition for overpressure valve**  
Predisposizione per valvola di sovrappressione  
Vorbereitung für Überdruckventil

**Non-return check valve as standard**  
Valvola di non ritorno di serie  
Kontrollventil als Serie



**Forced lubrication pump as standard  
(automatic lubrication on request)**  
Pompa di lubrificazione forzata di serie  
(lubrificazione automatica a richiesta)  
Druckschmierung als Serie (Automatische  
Schmierung auf Anfrage)



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

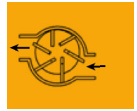
**High wearing resistance thanks to cast-iron  
with high hardness**

Elevata resistenza ad usura grazie a ghisa ad  
alta durezza.

Hohe Festigkeit zu Abnutzung für Gußeisen  
mit hohe Härte



**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 - M/MA



STAR - P



STAR - D



STAR - H

Air cooled - Rotary Vanes  
Vacuum/pressure pumps

*Steel shafts bolted to the rotor*



## 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 two 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



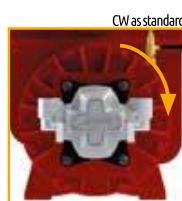
**Version M - MA**  
Splined shaft  
1"3/8 - Z6 ISO 500



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



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



**Version H**  
Group 486,56 cc/rev -  
Pmax 280 bar  
In G 1"1/4 - Out G 1" 1/2

### TECHNICAL DATA

	Geometrical capacity			Max rpm			Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg			
	m³/h	l/min	cfm	M	MA	P/D/H					M/MA	P	D	H
STAR 60	640,8	10680	377,1	600	1000	1200	2,5 (36)	95% (28,5")	60% (18")	19 (25,5)	209	200	200	236
STAR 72	712,2	11870	419,2	600	1000	1200	2,5 (36)	95% (28,5")	60% (18")	21 (28,2)	221	216	216	252
STAR 84	865,2	14420	509,2	600	1000	1200	2,5 (36)	95% (28,5")	60% (18")	25 (33,5)	250	235	235	272

### OPTIONALS



**Long Life Blades**



**Automatic Lubrication**  
Double lubrication points



**Kit Aluminum Final Air Filter 1300 Self-Cleaning**  
Code 6080200290



**Hydraulic Revolving Changeover**  
Code 5090000078



**Pneumatic Revolving Changeover**  
Code 6080200238



**Pneumatic Revolving Changeover - 3 Positions**  
Code 6080200293



**Hydraulic Changeover**  
Code 6080200176



**Flushing Kit**  
Code 6080200325



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



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



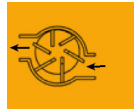
**Customized Painting**



## OPTIONALS

# STAR

60 - 72 - 84



Pump Controller



Pump Active Controller

Air cooled - Rotary Vanes  
Vacuum/pressure pumps

## ACCESSORIES



01

### Vacuum Relief Valve 1"1/2

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



02

### Overpressure Safety Valve - 2"

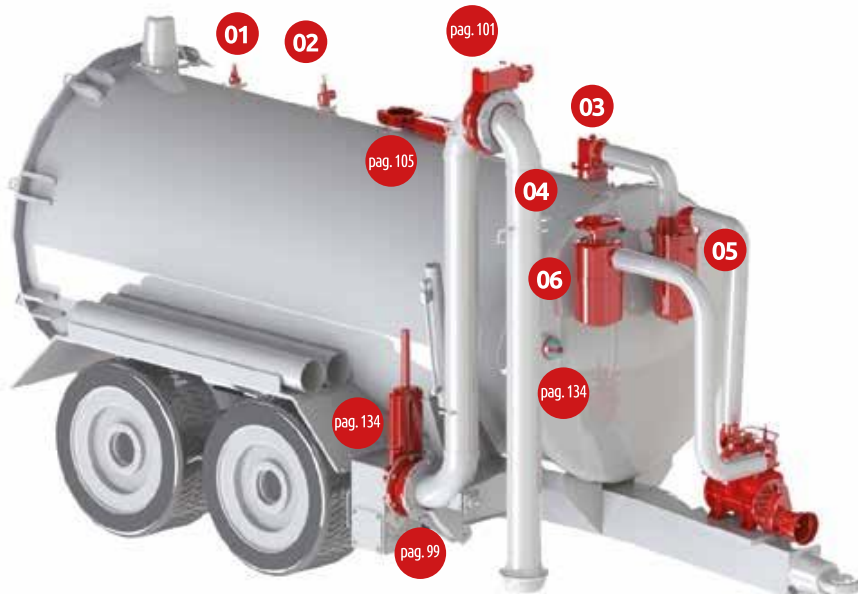
Code 5100200011  
Setting range:  
+0,3 bar / +1,5 bar  
Working temperature:  
-20°C / +90°C  
Thread: G 2"  
Weight: 1,2 kg



06

### Filter-Silencer

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



04A

### Rain Cap

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



04B

### Prefilter for Silencer

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

### Tank with side pipe



03A

### Primary Overflow Valve - Two Balls

Code 6100200030 - Ø 76  
Code 6100200025 - Ø 80  
Code 6100200026 - Ø 100  
Iron ring to be welded  
Weight: 13,9/14,0 kg



05

### Secondary valve - Two balls

Code 6100200035 - Ø 76  
Code 6100200021 - Ø 80  
Code 6100200022 - Ø 100  
Weight: 35,6 kg



03B

### Primary Overflow Valve - One SS Ball

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



05A

### Discharge valve - 1"

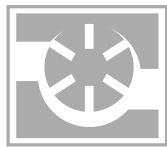
Code 5040200014  
To be fitted on Secondary  
valve



05B

### Gauge - Ø 80 mm Axial Connection

Code 5101700007  
To be fitted on Secondary  
valve



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