



ANNIVERSARY
1953 - 2018



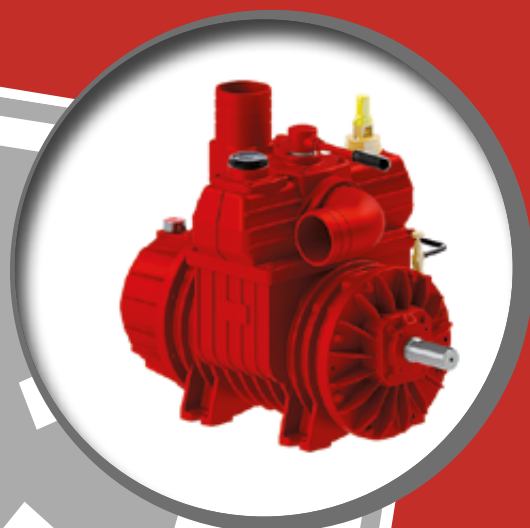
Battioni®
Pagani

Setting the pace since 1953

Technical Catalogue
Catalogo Tecnico
Technischer Katalog

STAR

60 - 72 - 84

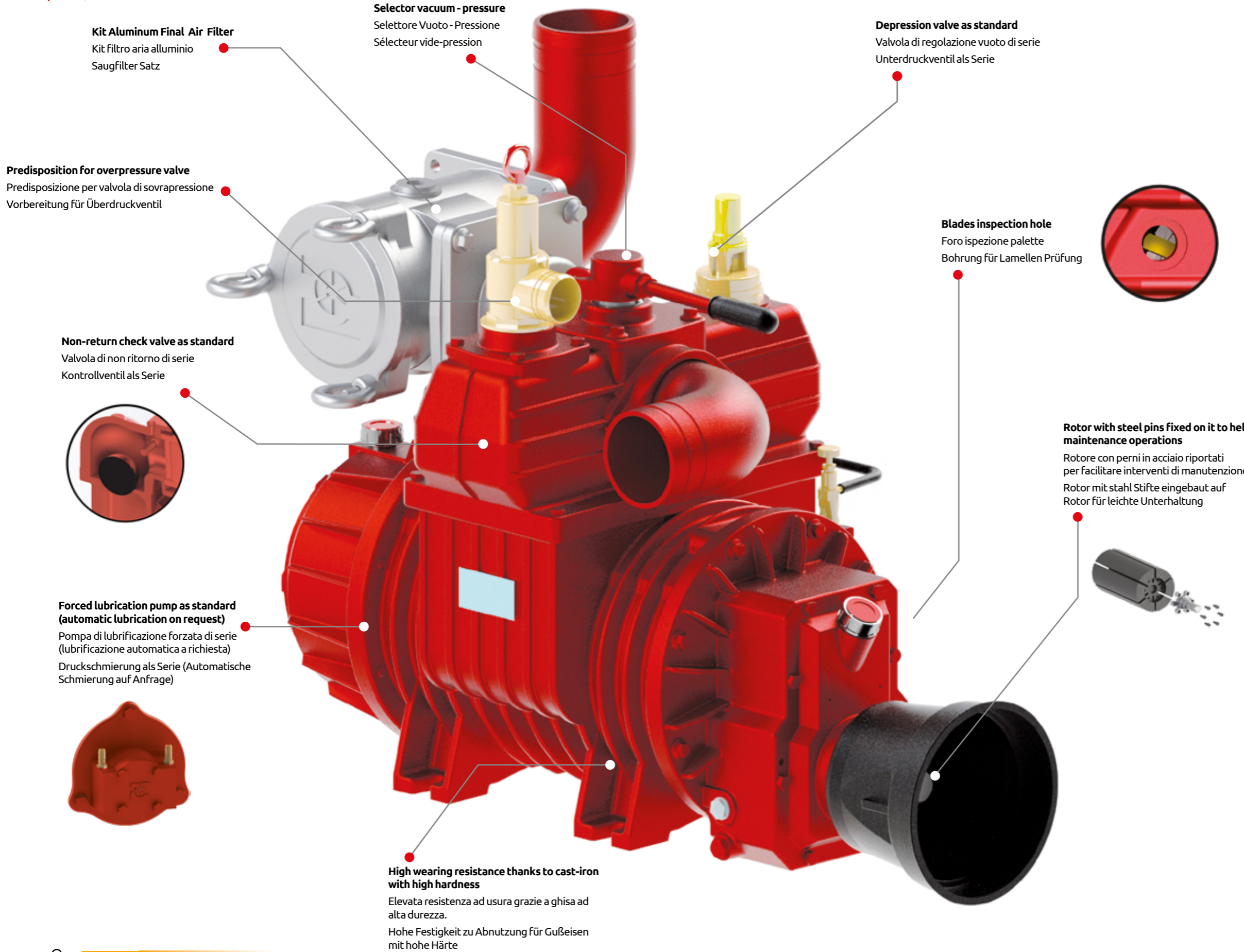


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rev. 5 del 27/08/2018



Air cooled - Rotary Vanes
Vacuum/Pressure pumps



Kit Aluminum Final Air Filter
Kit filtro aria alluminio
Saugfilter Satz

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

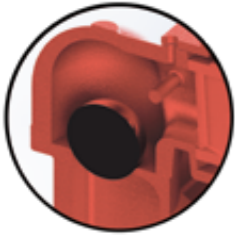
Depression valve as standard
Valvola di regolazione vuoto di serie
Unterdruckventil als Serie

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

Blades inspection hole
Foro ispezione palette
Bohrung für Lamellen Prüfung



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)



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



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

VERSIONS



STAR - M/MA



STAR - P



STAR - D



STAR - H

Steel shafts bolted to the rotor



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



STAR – Power and efficiency

The STAR's rotor has fixed steel pins to grant easy maintenance and significant reduction of maintenance costs.

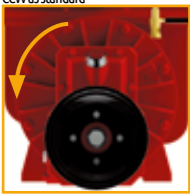



By wide intake and delivery chambers the STAR pump provides the highest vacuum efficiency. STAR's design features and performances make this pump ideal for more demanding agricultural applications and for septic emptying by medium size tanks.



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

 CCW as standard	 CCW on request CW as standard	 CCW as standard	 CW as standard
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 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	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 Code 6080200290	 Side Outlet With Two Revolving Elbows	 EN 707 Lever Code 6080200163	 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	 Flushing Kit Code 6080200325





OPTIONALS

 Battioni Pagani Vacuum Pump Oil 5 lt. Code 5070200100	 Battioni Pagani Flushing Fluid 5 lt. Code 5070200102	 Pump Controller	 Pump Active Controller
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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

Tank with side pipe

 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	





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