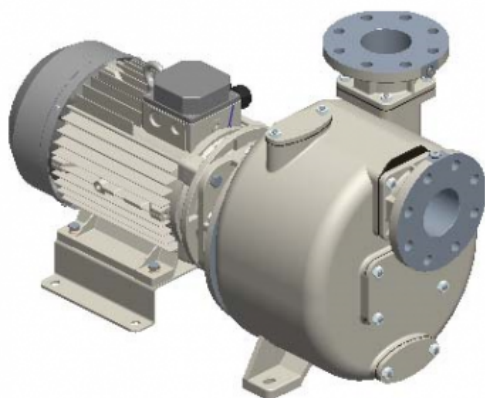




S 91 G31T+F+PS



**Product codes:**

Reference: 13438.03

**Product short description:**

3" Self-priming centrifugal pump in cast iron with mechanical seal, grease-lubricated, non return valve and 7,5 kW electric motor close coupled

**+F flange coupling according DIN. PN16**

**+PS automatic lubricator for mechanical seal**

**Product features:**

Main Features
Pump series: S 91
Pump Flow Rate: max 110 m <sup>3</sup> /h (1800 l/min)
Pump head with 50 Hz grid frequency: max 24 m
Max. Solids Handling: 35 mm
Self-priming: ★★★★★☆
Heavy-duty: ★★★★★
Construction: Close Coupled
Pump
Type of Pump: Self-priming centrifugal pump
Suction port: DN80
Discharge port: DN80
Type of ports: DIN PN16 flange (compatible), ANSI 150lb flange
Type of self-priming: Wet-prime

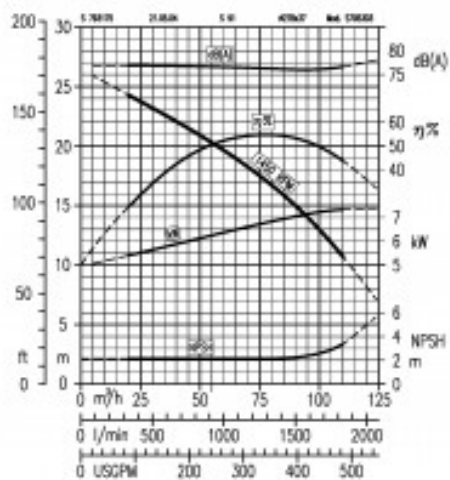


Filling port: Yes
Drain Port: Yes
Plug for Vacumeter: Yes
Plug for the Manometer: Yes
Material of casing: Cast iron
Material of impeller: Ductile Cast-iron
Material of wear plate: Steel
Material of shaft: Stainless steel AISI420
Material of non-return valve: NBR (Nitrile)
Shaft sealing: YCV Mechanical Seal with Grease Lubrication in SiC/SiO <sub>2</sub> /FKM (Viton®) on Stainless Steel Sleeve
<b>Drive</b>
Type of drive unit: Three-Phase Electric Motor
Drive Manufacturer: Victor Pumps
Efficiency class: IE1, S6-75%
Rated Power: 7, 5 kW (10 HP)
Maximal Rotation: 1450 rpm (50 Hz)
Rated voltage: 400 V ±10% @ 50 Hz, 690 V ±10% @ 50 Hz
Protection: 16 Amp (380-480 V), 11 Amp (660-725 V)
Cooling method: IC411- TEFC
Protection degree: IP55
Insulation class: F
<b>Performance data</b>
Typical application: waste water with solids in suspension, non-corrosive
Product temperature: max. 60 °C
Ambient temperature: max. 40 °C
Density: up to 1, 1 kg/dm <sup>3</sup> , for higher values you need an oversized motor
Viscosity: up to 5 mm <sup>2</sup> s (cSt), for higher values you need an oversized motor
Max vacuum with water: max 8 m (9, 5 m for 10 min)
Max vacuum with air: max 7, 5 m
<b>Additional Features</b>
Setup position: Horizontal
Coupling: One shaft solution without any coupling
Paint: RAL6011 Reseda green
External Dimensions (L x W x H): 851 x 424 x 502 mm
Net Weight: 149 kg

## Product gallery:

**S 91 - 50 Hz**

Laufzeit:		Feststoffleistung:		Umdrehung:	
Impuls:	278 mm Ø	Sollleistung:	37 mm Ø	Speed:	9450 min <sup>-1</sup>
Größe:		Sollleistung:		Velocity:	



2001-2002 T+P

kg = 108  
m<sup>2</sup> = 0.35 $\beta_2 = 1.43$ 