

Technical datasheet

Filter Unit "OTS.BOXER 251.PP.SS316"

Introduction

The diaphragm pump unit is powered by compressed air and is a 1:1 pressure ratio design. The diaphragm pump operates under balanced conditions during the discharge heads up to 70 meters of water head.

The pump is non-metallic and made of teflon, polypropylene and viton, which makes the pump excellent for operating with all kinds of high or low viscosity oils, acids and chemicals.

The (special) design ensures that the flow variation range is controlled by air pressure regulating valve and an air/water separator including injection of lubrication in the airflow, which secures a safe, reliable and efficient supply of liquid.

ATEX marking:  II 3/3 GD c IIB T4

OTW nr: 7000112



Features

- Gauge for pressure control
- Variable controlled flow conditions
- Variable controlled pressure options
- Air/water separation is fitted as standard
- Lubrication injection of air valves is fitted as standard
- Skid mounted and framed in stainless SS316 steel

Capacity & performance

Max. head*	70 m
Max. flow rate*	340 L / min
Max. self-priming capacity	6 m
Max. air supply pressure	7 bar
Max. air consumption (by 340l/min)	2100NI/min
Max. diameter of passing solids	6mm
Max. temp.	60°C
Intake / delivery connections	1½" BSP
Air connection	CEJN 446 ½" male

Safety features

- Safety valve on air inlet to prevent overpressure is fitted as standard
- Hydrochloric acid above 40% concentrate should not be pumped with this unit.
- CE marked in accordance with the Machinery Directive and the ATEX Directive

Weight & dimensions

Length	610 mm
Width	400 mm
Height	570 mm
Gross Weight	40 kg

*The performance values refer to pumps with submerged suction and free delivery outlet with water at 20°C, and vary according to the construction material