

## Technical datasheet

### Transfer Pump Unit “OTG.BOXER502.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 stroke, which allows the unit to be operated at discharge heads up to 70 meters of water head.

The pump is non-metallic and the diaphragms, balls, ball seats and o-rings are 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 an air pressure regulating valve and an air/water separator including injection of lubrication in the air flow, which secures a safe, reliable and efficient supply of liquid.

ATEX marking:  II 3/3 GD c IIB T4

OTS item number.: 9000-408 / 409 / 417 & 425



#### 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*	650 l/min
Max. self-priming capacity	4 m
Max. air supply pressure	7 bar
Max. Air consumption (by 150 l/min)*	13800 NI/min
Max. diameter of passing solids	8 mm
Max. temp.	60° C
Intake / delivery connections	2" BSP
Air connection / Quick connection	CEJN 446 ½" male

\*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

#### 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	760 mm
Width	520 mm
Height	1000 mm
Gross weight	95 kg