

Technical datasheet

High Flow Oil flushing Unit "OTS.200.200.7.ACMU.EXD.SS316"

Introduction

The unit is driven by two 400 V, 15 kW, 50 Hz, 50 Hz EXD electrical motors. Each connected to a pump with an approximate circular flow of 200 l/min at 35 bar, and a 3 kW electrical motor connected to a vane pump with a circ flow of 7 l/min at 150 bar, which generates pulsation effect at app 600 l/min. The unit is able to operate with pipe dimensions from 1" to 4" depending on fluid viscosity and temperature, ensuring a pipe system cleanliness level better than ISO 4406 14/11 or AS4059 Class 5 (NAS 1638 Class 5).

The pulsation is generated through a 10 l accumulator which is pressurised through the 7 l/min, 150 bar vane pump. The high pressure from the accumulator is then automatically periodically released to the low pressure flushing circulation, which generates a very high turbulent pulsed flow. The pulsations are particularly an advantage in systems with high differential pressure.

The starter panel is fitted with on/off push buttons, on/off light indications, emergency stop and 5 meter connecting cable with a 63 A electrical plug.

ATEX marking:  3G II T3/ ZONE 2

OTS serial number 9000-259



Features

- Skid mounted and framed in stainless SS316 steel.
- Forklift facility.
- Various temperature & pressure options.
- Visual differential pressure indicator on the filters.
- By operating one pump through the relief valve the unit can generate 6 kW heating capacity.

Capacity & performance

Circular flow rate	0-400 l/min at 35 bar
Pulsation/circular pressure	Up to 600 l/min /150 bar
Tank capacity	500 l
Oil temperature	0-50 °C
Filter capacity	100 mesh strainer & 3 µ β 200

Safety features

- Strong protective frames.
- Stainless SS316 steel drip trays fitted as standard with drain facilities.
- Adjustable relief valves for all pumps.
- The unit is **not** suitable for using water based fluids.
- Low level alarm is mounted in reservoir.
- High oil-temperature-switch.
- The unit is approved for operation in Zone 2 gas areas.

Weight & dimensions

Length	1250 mm
Width	1480 mm
Height	1750 mm
Gross weight	1200 kg