

Technical datasheet

High Flow Oil-flushing Unit “OTS.200.200.7.ACMU.SS316”

Introduction

The unit is driven by two 400 V, 15 kW, 50 Hz, IP56 electrical motors. Each connected to a pump with a circ flow of app 225 l/min at 35 bar, and one 3 kW electrical motor, fitted to a vane pump with a circular flow of 7 l/min at 150 bar, which generates a pulsation effect with up to 800 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 unit has an integrated electronically contamination monitor. The pulsation is generated through a 10 l accumulator which is pressurized 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 63A electrical plug.

OTS item number.: 9000-220



Features

- Skid mounted and framed in stainless SS316 steel.
- Forklift facility.
- Variable temperature and 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

Cirk flow rate	0-450 l/min at 35 bar
Pulsation flow	Up to 800 l/min/150 bar
Tank capacity	400 l
Oil temperature	0-50 °C
Filter capacity	50 μ strainer & 3 μ β 200

Safety features

- Strong protective frames.
- Drip tray 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.

Weight & dimensions

Length	1495 mm
Width	1200 mm
Height	1650 mm
Gross Weight	949 kg