

Technical datasheet

Hot oil flushing unit "OTG.50.7.EXD.ATEX.SS316"

OTS ID.: 9000-486


Introduction

Mobile flushing unit, suitable for flushing of hydraulic tubes with various dimensions from ¼" to ¾", with pulsed flow conditions which makes it possible to achieve a turbulent flow above $Re > 3000$ and a level of cleanliness better than ISO 4407 Class 14/11 or AS4059 Class 5 (NAS 1638 Class 5).

Furthermore, the unit can carry out hydrostatic pressure test up to 1100 bar with flushing oil as test fluid. All construction and framework is made in stainless SS316 steel. The unit is driven by a 5.6 kW, 32 A, 400 V, 50 Hz, EXD electrical motor.

Rig operates with hydraulic mineral oil, min 15 cSt, type Rando HDZ, which can be heated to 45°C. Rig is provided with 10m ½" hoses for connection to piping, and a take out for oil analyze samples.

For pressure testing, a ¼" MP C&T as well as recorder take out provide. The unit is suitable for operation in **Zone 1 areas**. Moving around flush rig in ATEX environment must be done carefully and slowly (<1m/s) to avoid impact and spark generation!

ATEX marking:  II 2G



Features

- Articulated wheels and lifting pads mounted for site mobility.
- Variable pressure and temperature options.
- Visual differential dirt indicator.
- All components are protected by insulated stainless SS316 steel plates.

Capacity & performance

Flushing flow	45 l/min
Pulsed flow	80 l/min
Test Pressure	1100 bar
Tank capacity	100 l
Flushing Pressure, up to	100 bar
Filter capacity	3 µ B 200

Safety features

- Strong protective stainless SS316 steel framework.
- Drip trays fitted as standard.
- Pressure safety- & relief valves set pressure 100 & 150 bar.
- Thermostat is fitted to oil heater.

Weight & dimensions

Length	1125 mm
Width	650 mm
Height	1350 mm
Gross Weight	575 kg