

HYDAC SERVICE

Hydraulic Flushing Rig HY-FLUSH 1300



HY-FLUSH 1300

During the assembly and installation of the hydraulic system, it is easily possible for dirt and other contamination to find their way into the pipes and other items of the equipment. Therefore, it is necessary to flush out all this contamination so that it cannot have an adverse effect on the operation and life time of the equipment.

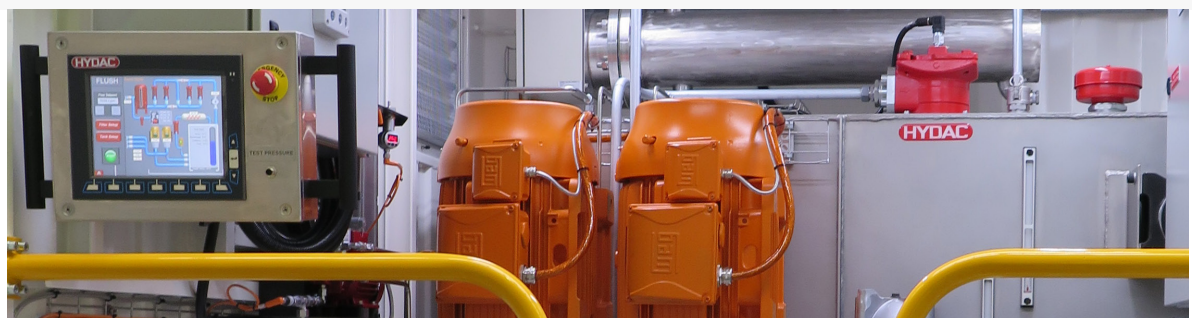
The HY-FLUSH 1300 is used to clean hydraulic systems. It is very important to flush any new or repaired hydraulic system before conducting the commissioning and final handover of the system to the operator.

The HY-FLUSH 1300 system delivers a high flow of mineral based flushing oil at an elevated temperature, which creates turbulent flow through the hydraulic lines to be flushed, and as a result will dislodge and suspend contaminants into the flushing oil. The return oil from the flushed lines is directed through an array of filters to remove the suspended contaminants from the flushing oil before returning the oil tank.

The HY-FLUSH 1300 system is also equipped with a high pressure test system to conduct a hydrostatic pressure test of the hydraulic installation after completion of the flushing process if required.

SPECIFICATIONS

Flushing medium	Mineral hydraulic oil (Up to a maximum viscosity grade of ISO VG46).
Flushing capability	1260 l/min @ 28 bar maximum (Flow rate fully adjustable via VSD drives on electrical motors).
Pressure testing	9 l/min @ 320 bar (maximum pressure).
Electrical motors	1. Flushing – 2 x 37 kW, 415V, 50 Hz. 2. Pressure testing – 1 x 7.5 kW, 415V, 50 Hz. 3. Offline heating and filtration pump – 1x 2.2 kW, 415V, 50 Hz. 4. Tank filling / draining pump – 1 x 1.1kW, 415V, 50 Hz.
Tank heater	30 kW, 415 V, 50 Hz.
Power supply requirements	250A, 415 V, 50 Hz.
Oil tank capacity	2900 L
Filters in return line	1. Pre filter – 1 HYDAC Bag filter with 4 of 10µ filament bags. 2. Main filters – 4 HYDAC NF 2650 filter housings which can be fitted with 1, 3, 5, 10, 15 or 20µ HYDAC Optimicron filter elements.
Supply oil connections	3 x 2" SAE Code 62 flange connections.
Return oil connection	1 x DN100 PN16 flange connection (4").
Dimensions	10 Ft high cube container.
Mass	6000 kg (Approximate weight excluding flushing oil).
System controller	HYDAC TTC580 controller complete with HYDAC 10.4" eVision2 touch display HMI.
Oil cleanliness measurement	HYDAC CSM1000 for measuring in accordance to contamination code ISO 4406: 1999.
Data recording	Pressure testing recording via control panel M12 connection point for data logger IE HYDAC HMG3010 (Data logger not part of scope of supply)



Return line filters can be selected in parallel, cascade or bypass configurations.

30 kW
Tank Heater

4 x HYDAC
Beta 1000
filters

HYDAC
Pre-filtration

Hydraulic Flushing Rig

Automated
Control
Technology



Online
Contamination
Measurement



Pressure
and Test up
to 320 Bar



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