

HANSA FLEX

TECHNICAL
INFORMATION
**VACUUM PUMP
TECHNOLOGY**



Technical information for vacuum pump technology

Table of contents

- 1. General information about vacuum pump technology**
- 2. Safety instructions**
- 3. Technical information**
 - 3.1 Usage instructions
 - 3.2 Technical parameters
- 4. Disposal information**

1. General information about vacuum pump technology

The installation, commissioning and maintenance of hydraulic systems or their components may be carried out only by suitably qualified personnel and in strict observance of all the relevant safety regulations.

Our vacuum pump technology can be used to test hydraulic systems for leaks during commissioning, to prevent or reduce hydraulic oil leakages during repairs or when replacing hoses or pipelines below the level of the oil in the tank.

2. Safety instructions

Follow the instructions given in the operating manual.

Hydraulic tanks may be under a positive pressure. This pressure should be safely relieved at the beginning of the work. The relief of pressure at tank venting/breather filters with bayonet connections can happen very suddenly!

The operating voltage of the pump motor is 12 VDC or 24 VDC, depending on the model. The motor may not be connected to other voltages. This also applies to the use of mains adapters and power supply units. The cable with the battery terminal clamps must be fitted with a suitable strain relief device. Ensure that the battery is adequately charged. A deep discharge below 11.6 V damages conventional lead-acid starter batteries.

The external vent valve on the side of the vacuum pump must not be covered or plugged.

3. Technical information

3.1 Usage instructions

The vacuum pump is normally connected to the socket on the tank venting/breather filter.

After setting up and starting the vacuum pump then creating the vacuum, other connections in the hydraulic system or on the hydraulic tank below the oil level can be opened. The pump continues to operate for the whole period of the work.

Nevertheless, after opening the pipeline system or removing hose lines, the open line connections must be sealed with suitable blind screw plugs. This also prevents possible leakages and the entry of contaminants.

The vacuum pump should not be switched off before the work is complete and the hydraulic system is once again leak tight.

3.2 Technical parameters

Our vacuum pumps are available in ready-to-use sets in a transport case. They create a negative pressure of up to 800 millibar at a maximum volumetric flow rate of 39 l/min. The 12 VDC or 24 VDC supply can be obtained from a motor vehicle battery or from an optional 230 VAC mains adapter/power supply unit. Various accessories such as adapters, rubber plugs etc. are available to ensure the universal use of the vacuum pump.

4. Disposal information

Hydraulic oil, hydraulic hose lines and hydraulic components may not be thoughtlessly placed in the ordinary refuse; they must be collected and disposed of in accordance with the applicable waste disposal regulations. The national requirements of the respective country and, if appropriate, the information given in the safety data sheets must be observed.