

BASIC INSTRUCTIONS

General application

Installation location	Any. Take care of the correct positioning of the suction filter and pipe to avoid negative pressure at the pump inlet
Environment temperature	-15 ÷ +50°C
Hydraulic fluid	Fluid for hydraulic use mineral based or synthetic ISO 6743/4 / DIN 51519, viscosity 15 ÷ 100 mm ² /s ISO 3448 (recommended viscosity 22 ÷ 46 mm ² /s)
Fluid temperature	-10° ÷ +70°C
Commissioning instructions	<ul style="list-style-type: none">- After connecting the electric motor and the suction pipe, check the direction of rotation of the pump with pulses of 1+2 sec. For standard pumps the direction of motor rotation must be clockwise as viewed from the side of the motor fan.- Flush the oil at atmospheric pressure in order to remove any impurity and air bubbles from the circuit.- Connect all devices to the system and gradually increase oil pressure.- Check the oil level and, if necessary, fill up to the maximum level.- To ensure a correct and longlasting operation, check oil after 100h from commissioning and replace every year or 300h of use.- M5: 4÷5,5 Nm- M5 for pumps gr.0,5: 8÷9,5 Nm- M6: 8÷10 Nm- M8: 16÷20 Nm- M8 for pumps gr.1: 21÷25 Nm- M10: 30÷40 Nm- 3/8-16 UNC: 30÷40 Nm- 5/16-18 UNC: 16÷20 Nm
Recommended torques	<ul style="list-style-type: none">- Valves and plugs 1/4 BSP (ISO 228): 15÷20 Nm- Valves and plugs 3/4-16 UNF: 25÷30 Nm- Relief valves M20x1,5: 50 Nm- Tank's plugs 1/2 BSP (ISO 228): max 10 Nm- Relief valves M14x1: 15÷25 Nm- Valves and plugs 9/16-18 UNF: 6÷20 Nm- Valves and plugs 5/8-18 UNF: 15÷25 Nm- Valves 7/8-14 UNF: 45÷55 Nm- Relay's electric poles 5/16-24 UNF: 5 Nm
Fluid contamination	Must be better than class 20/18/15 ISO 4406