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PH-Series

BRUKSANVISNING • OPERATING INSTRUCTIONS • GEBRAUCHANWEISUNG

Thank you for the confidence you have shown in us by choosing a REHOBOT product. REHOBOT stands for products of high quality and we hope that you will have many years of satisfactory use from this product.

To avoid operating difficulties we recommend that you read through these instructions before using the product.

Technical information

Max. working pressure	PH70A-	70 MPa (700 bar)	(10150 psi)
	PH80A-	80 MPa (800 bar)	(11600 psi)
Effective oil capacity:	-600	600 cm ³	(36.6 in ³)
	-1000	1000 cm ³	(61 in ³)
Capacity/pump stroke		2,9 cm ³	(0.18 in ³)
Pump force at max. working pressure:	PH70A-	450 N	(101 lbf)
	PH80A-	515 N	(116 lbf)
Weight:	-600	4,5 kg	(9.9 lb)
	-1000	5,2 kg	(11.5 lb)
Hydraulic oil type	ISO VG 10 or similar		

Table 1

Safety features

The pump is equipped with a safety valve that limits the output pressure. The safety valve is set at the factory to the maximum working pressure.

Installation

General

Always check that hoses, couplings, cylinders and tools, etc., that are connected to the pump are intended for use at a working pressure that equals or exceeds the maximum working pressure of the pump.

Connecting the hydraulic hose

Connect the hydraulic hose with a G 1/4" coupling or use a REHOBOT quick coupling. If you require a swivelling hose connection, use an ASE10 coupling. Air can accumulate in the hydraulic system when hoses and tools are connected, and this can lead to operating problems, see the heading Bleeding the hydraulic system.

Connecting cylinders/tools

Cylinders or tools can only be connected to the pump when the system is depressurized. Always make sure that the release knob is in the open / release position before connecting.

(Fig. A.3.)

Operating instruction

Pumping

(Fig. A.3.)

Close the release knob by turning it clockwise.

Releasing

(Fig. A.3.)

- Open the release knob by turning it anti-clockwise.
- To stop releasing the pressure, close the knob (turn clockwise).

The design of the knob permits controlled release of the pressure.

NOTE, check that the pump is not overfilled when releasing a cylinder or tool.

The VS5 special overfilling safety valve can be supplied as an option. The valve prevents tank over-pressurization upon releasing

Maintenance

To ensure reliable operation and long life it is important to carry out maintenance at set intervals. You should always follow these simple rules:

Always make sure that:

- The pump is cleaned before returning to storage.
- Lubricate moving parts.
- Check that there are no external hydraulic oil leaks.
- Make sure the pump has not suffered any external damage, as a result of impacts, etc.

Servicing

Checking the oil level

Check the oil level before use. The oil level must always be measured with the ram/tool in the lowest/retracted position. For good function, use hydraulic oil equivalent in quality to ISO VG 10.

(Fig. A.2.)

The filler hole on the hydraulic oil reservoir is also used to check the level. Position the pump with the pump head facing down-wards, and remove the filler plug A. The correct level is when the oil reaches the bottom edge of the filler hole. Refit the filler plug, tightening it with a maximum torque of 20 Nm.

Filling with oil

Position the pump with the pump head downwards.

- Remove the oil filler plug.
- Fill with oil, making sure the pump is not overfilled.
- Refit the oil filler plug.

Bleeding the hydraulic system

Bleed the system by connecting a cylinder or tool to the pump. Run the tool/cylinder through 3-4 cycles (pump to full extension, then release) without any load. Make sure that the tool/cylinder is positioned lower than the pump to allow the air to return to the pump's oil reservoir.

Depending on the amount of air present in the connected hoses or tools it may be necessary to top up with hydraulic oil, see the heading Filling with oil.

Hydraulic equipment must be serviced and maintained regularly to keep it in good working condition. For safety reasons it is important that hydraulic products are serviced and maintained by experienced personnel. If in any doubt, contact your dealer for information about the nearest authorised service agent.

Always use original REHOBOT spare parts. Lubricate moving parts as necessary with a high quality grease. Always use high quality hydraulic oil with good low temperature properties, ISO VG 10 or equivalent.

Recycling

The various parts can be recycled at the end of their service life. The unit consists of steel, aluminium, hydraulic oil, rubber (seals) and plastic. Collect the hydraulic oil and dispose of it separately. The unit does not contain any pressurized components. For more information about recycling of this product, please contact the local authorities, your waste disposal service or your provider.

Guarantee

REHOBOT Hydraulics AB provide a full guarantee covering manufacturing and material faults. During its manufacture the product has undergone several control checks to ensure its safety, efficiency and quality.

The guarantee covers new products and is valid for 12 months from the day the customer receives the product. Claims under the guarantee can be made only with original receipt of purchase.

The guarantee is valid only if the product has been used under normal operating conditions and according to the instructions provided.

The guarantee does not cover, e.g.:

- damage caused by normal wear or lack of maintenance
- damage caused by misuse or overloading
- modification or rebuilding not approved by REHOBOT Hydraulics AB
- damage resulting from the use of spare parts which are not REHOBOT original parts.

REHOBOT's guarantee for electric and petrol engines supplied together with the product is based upon the guarantee terms of each manufacturer. These documents are enclosed with the products concerned.

Claims under the guarantee should be made to your retailer who will refer you to the nearest service workshop for repairs or possible replacement.

REHOBOT Hydraulics AB accept no responsibility in addition to this.

Appendix A Drawings & Technical data

Figure A1: Dimensions

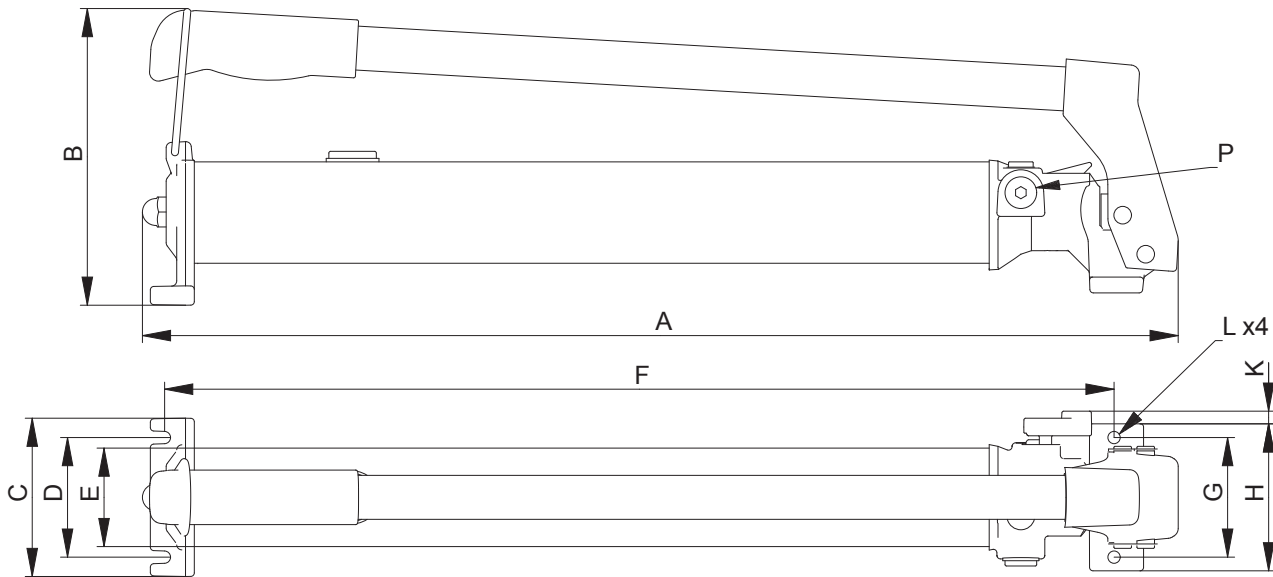


Table A.1. Dimensions

	PH70A-600 PH80A-600		PH70A-1000 PH80A-1000		
	mm	in	mm	in	
A	590	23.2	590	23.2	
B	170	6.7	170	6.7	
C	90	3.5	110	4.3	
D	68	2.7	80	3.1	
E	56	2.2	75	3.3	
F	540	21.3	575	22.6	
G	68	2.7	68	2.7	
H	84	3.3	84	3.3	
K	7	0.28	7	0.28	
L	6.6	0.26	6.6	0.26	

Figure A2: Refilling of oil

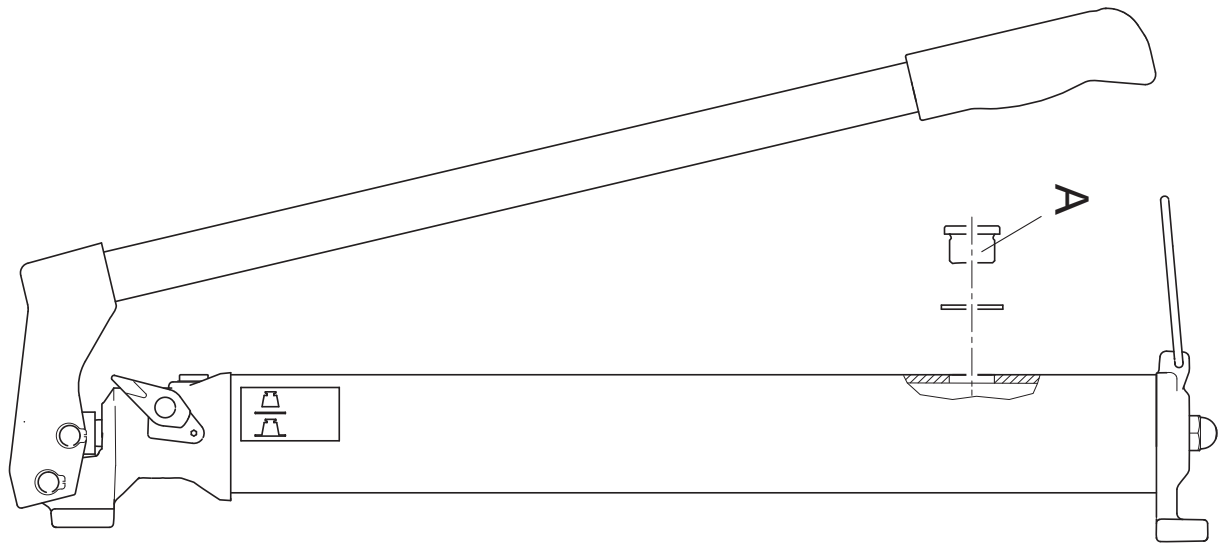


Figure A3: Operating instructions

