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PP70/80/100 - 2500FP/RC/MLD/MRV

BRUKSANVISNING • BRUGSANVISNING • KÄYTTÖOHJE • OPERATING INSTRUCTIONS

GEBRAUCHANWEISUNG • MODE D'EMPLOI • GEBRUIKSAANWIJZING

ISTRUZIONI PER L'USO • INSTRUCCIONES DE USO • INSTRUÇÕES DE USO

PP70-2500MLD

Vælg ved at dreje på styreventilen (mod højre eller venstre), hvilken port der skal levere henholdsvis tryk eller retur.

Start

For at udpumpe cylinder/værktøj trykkes fodpedalens trykregulator ned (Fig. 4, pos. A). Pumpen standser og bevarer det opnåede hydrauliske tryk, når pedalen slippes i neutral stilling.

Aflastning

Drej styreventilen (mod højre eller venstre) for at vælge, hvilken port der skal levere henholdsvis tryk eller retur.

OBS! Hvis pumpen overfyldes ved aflastning af cylinder/værktøj, vil den overskydende olie løbe ud gennem aflutningsventilen.

PP70-2500MRV

Beregnet til tilslutning af værktøj med egen reguleringsventil eller anden ekstern ventil.

Start/aflastning

Tilslut ventil til regulering af fødeluften.

Pumpen kan anvendes sammen med enkeltvirkende hydraulik. Aflastning (retur) sker i så fald ved hjælp af aflastningshåndtaget (Fig. 4), som drejes mod uret.

Øvrigt tilbehør

Pumpen kan forsynes med tilbehør såsom manometer/manometerbefæstelse etc. Mulighed for tilslutning af returledning findes. Alle cylindre, tilbehør og værktøj, som tilsluttes pumpen, skal være konstrueret for et arbejdstryk, som mindst svarer til pumpens maksimale arbejdstryk. **BEMÆRK!** Pumpen er ved leverancen forsynet med en sikkerhedsventil på hydrauliksiden indstillet på maksimalt arbejdstryk. Sikkerhedsventilen (Fig. 4 pos. A) må kun justeres af REHOBOT eller af REHOBOT autoriseret serviceværksted. For enkel reducere af hydrauliktryk anbefales reduktionsventil for indgående lufttryk.

Vedligeholdelse

Efter behov smøres bevægelige dele såsom luftstempel og ventil med smørefedt af høj kvalitet.

Service

Af sikkerhedsårsager er det vigtigt, at service og reparation af dette produkt udføres af en fagkyndig person. Ved den mindste tvivl bør du kontakte din forhandler og få information om nærmeste autoriserede serviceværksted.

Oliepåfyldning

Check oliestanden før brugen. Det gøres lettest ved hjælp af skueglasset i bagenden, som angiver maks. oliestand. Oliestanden skal altid måles med cylinder/værktøj i nederste position/indtrukket stilling. For at sikre god funktion skal der anvendes hydraulikolie af en kvalitet svarende til ISO VG 10.

- Anbring pumpen med skueglasset nedad (Fig. 5).
- Oliepåfyldningsproppen skrues ud (Fig. 5, pos. A).
- Fyld oliebeholderen gennem påfyldningshullet, indtil oliestanden er 43 mm (1.7 in) målt fra bagenden.
- Oliepåfyldningsproppen skrues på plads igen.

Thank you for the faith you have shown in us by choosing a REHOBOT product. REHOBOT stands for products of high quality and it is our hope that you will be able to use this product for many years.

To avoid functional disturbances, we recommend that you read these instructions thoroughly before using the product.

Technical description (Fig. 1)

Max. working pressure:	
PP70-2500	70 MPa (700 bar, 10150 psi)
PP80-2500	80 MPa (800 bar, 11600 psi)
PP100-2500	100 MPa (1000bar, 14500 psi)
Required air pressure:	0,65-1,0 MPa (6,5-10 bar, 94-145 psi)
Capacity:	
PP70-2500	1150-260 cm ³ /min. (70-15 in ³ /min)
PP70-2500RC	1070-200 cm ³ /min. (65-12 in ³ /min)
PP80-2500	760-170 cm ³ /min. (46-10 in ³ /min)
PP80-2500RC	710-130 cm ³ /min. (43-8 in ³ /min)
PP100-2500	760-100 cm ³ /min. (46-6 in ³ /min)
PP100-2500RC	710-80 cm ³ /min. (43-5 in ³ /min)
Total oil capacity:	2600 cm ³ (158.6 in ³)
Effective oil capacity:	2500 cm ³ (128.1 in ³)
Weight inc. oil:	
PP70/80/100-2500FP	10.1 kg (22.3 lbs)
PP70/80/100-2500RC	10,8 kg (23.8 lbs)
PP70/80-2500MLD	10,5 kg (23.1 lbs)
PP70/80-2500MRV	9,8 kg (21.6 lbs)
PP70-2100	70 MPa (700 bar, 10150 psi)
PP80-2100	80 MPa (800 bar, 11600 psi)
PP100-2100	100MPa (1000bar, 14500 psi)

All models are equipped with a level glass so that the oil level can be checked easily.

PP70/80/100-2500FP is equipped with a foot pedal for pumping and releasing.

PP70/80/100-2500RC is equipped with a remote control. This has two buttons that allow remote operation of the pump start/stop and release.

PP70/80-2500MLD is equipped with a lever/control valve for double-acting hydraulic operation, plus a pedal for start/stop.

PP70/80-2500MRV is designed for connecting to tools with their own control valve or other external valve. The pump has ports for pressure and return connections, and a manual release knob.

Safety feature

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

Installation**PP70/80/100-2500FP/RC****Connecting compressed air**

The pump requires a compressed air pressure of at least 0,6 MPa (6 bar, 87 psi) to develop hydraulic pressures of 70 MPa (700bar, 10150 psi) and 80 MPa (800 bar, 11,600 psi). Make sure that the air pressure does not exceed 1,0 MPa (10 bar, 145 psi) as this could damage the pump. To ensure efficient operation and long life use clean compressed air with a water trap. Connect the compressed air line using a G 1/4" coupling, as shown in Fig. 2, item A.

Connecting the hydraulic hose

Connect the hydraulic hose using a G 1/4" coupling (Fig. 2, item B) or use REHOBOT quick couplings.

PP70/80-2500MLD

Connecting compressed air The pump requires a compressed air pressure

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Connecting the hydraulic hose

Connect the hydraulic hose using a G 1/4" coupling (Fig. 2, items B, C) or use REHOBOT quick couplings.

PP70/80-2500MRV

Connecting compressed air

The pump requires a compressed air pressure of at least 0,6 MPa (6 bar, 87 psi) to develop hydraulic pressures of 70 MPa (700bar, 10150 psi) and 80 MPa (800 bar, 11,600 psi). Make sure that the air pressure does not exceed 1,0 MPa (10 bar, 145 psi) as this could damage the pump. To ensure efficient operation and long life use clean compressed air with a water trap. Connect the compressed air line using a G 1/4" coupling, as shown in Fig. 2, item A.

Connecting the hydraulic hose

Pressure connection: connect the hydraulic hose using a G 1/4" coupling (Fig. 2, item B) or use REHOBOT quick couplings. Return connection: connect the hydraulic hose using a G 1/4" coupling (Fig. 2, item C) or use REHOBOT quick couplings.

Bleeding the hydraulic system

When hoses or tools are connected to the pump they can introduce air into the hydraulic system, which could lead to operating problems. Bleed the system by running the tool or cylinder through 3–4 cycles (by pumping out until fully extended, then releasing) with no load. Make sure that the tool or cylinder is kept lower than the pump to allow the air to flow back into the oil reservoir of the pump. It may be necessary to top up the oil depending on the volume of air in the connected hoses or tool, see Filling with oil.

Operation

In order to use the full capacity of the oil reservoir the ventilation plug must be opened (pull up) before pumping, see Fig. 3.

NOTE, make sure that the plug is closed (pushed in) when transporting the pump.

PP70-2500FP

Starting

To extend the cylinder or tool, press the pressure pedal (Fig. 4, item A). The pump will stop and maintain the achieved hydraulic pressure when the pedal is released in the neutral position.

Releasing

To release the cylinder or tool, press the release pedal (Fig. 4, item B). Hold the pedal down until the cylinder has moved back to the desired position.

NOTE! If the pump is overfilled when a cylinder or tool is released, the surplus oil will run out through the bleed valve.

PP70/80-2500RC

Starting

Press the start/stop button (Fig. 4, item P) on the control unit. The pump will stop and maintain the achieved hydraulic pressure when the start/stop button is released.

Releasing

Press the return button (Fig. 4, item R). Hold the button in until the cylinder has moved back to the desired position.

NOTE! If the pump is overfilled when a cylinder or tool is released, the surplus oil will run out through the bleed valve.

PP70-2500MLD

Select which ports you want to act as the pressure port and return port by turning the control valve to the right or left.

Starting

To extend the cylinder or tool, press the pressure pedal (Fig. 4, item A). The pump will stop and maintain the achieved hydraulic pressure when the pedal is released in the neutral position.

Releasing

Turn the control valve to the right or left to switch between pressure and return ports.

NOTE! If the pump is overfilled when a cylinder or tool is released, the surplus oil will run out through the bleed valve.

PP70-2500MRV

This pump is designed for connecting to tools with their own control valve or other external valve.

Starting/releasing

Connect the control valve to the air supply.

The pump can also be used with single-acting hydraulic tools. In this case the pressure is released by turning the release knob (Fig. 4) anti-clockwise.

Accessories

The pump can be equipped with accessories such as a gauge / gauge adapter, etc. It is possible to connect a return pipe. All rams, accessories, and tools that are connected to the pump must be designed for a working pressure that is equal to or higher than the maximum working pressure of the pump. NOTE! The pump is equipped with a safety valve on the hydraulic side. It has been factory-set for maximum working pressure. The safety valve (Fig. 4, Pos. A) can be adjusted ONLY by REHOBOT or a workshop authorized by REHOBOT. For simple reduction of the hydraulic pressure, we recommend you to use a reduction valve for incoming compressed air.

Maintenance

When necessary lubricate moving parts such as the pneumatic piston and valve with high-grade grease.

Service

For safety reasons it is important that all service and repair work is carried out by trained personnel. If you are in the slightest doubt please contact your dealer for information about the nearest authorised service agent.

Filling with oil

Check the oil level before use. The easiest way to do this is to check the level glass on the end of the pump, which shows the maximum oil level. Always measure the oil level with the cylinder or tool in the lowest or retracted position. To ensure efficient operation use hydraulic oil that conforms to ISO VG 10.

- Stand the pump on end with the level glass at the bottom (Fig. 5).
- Unscrew the oil filler plug (Fig. 5, item A).
- Fill the oil reservoir through the filler hole until the oil level is 43 mm (1.7 in) below the end face.
- Screw the oil filler plug back into place.

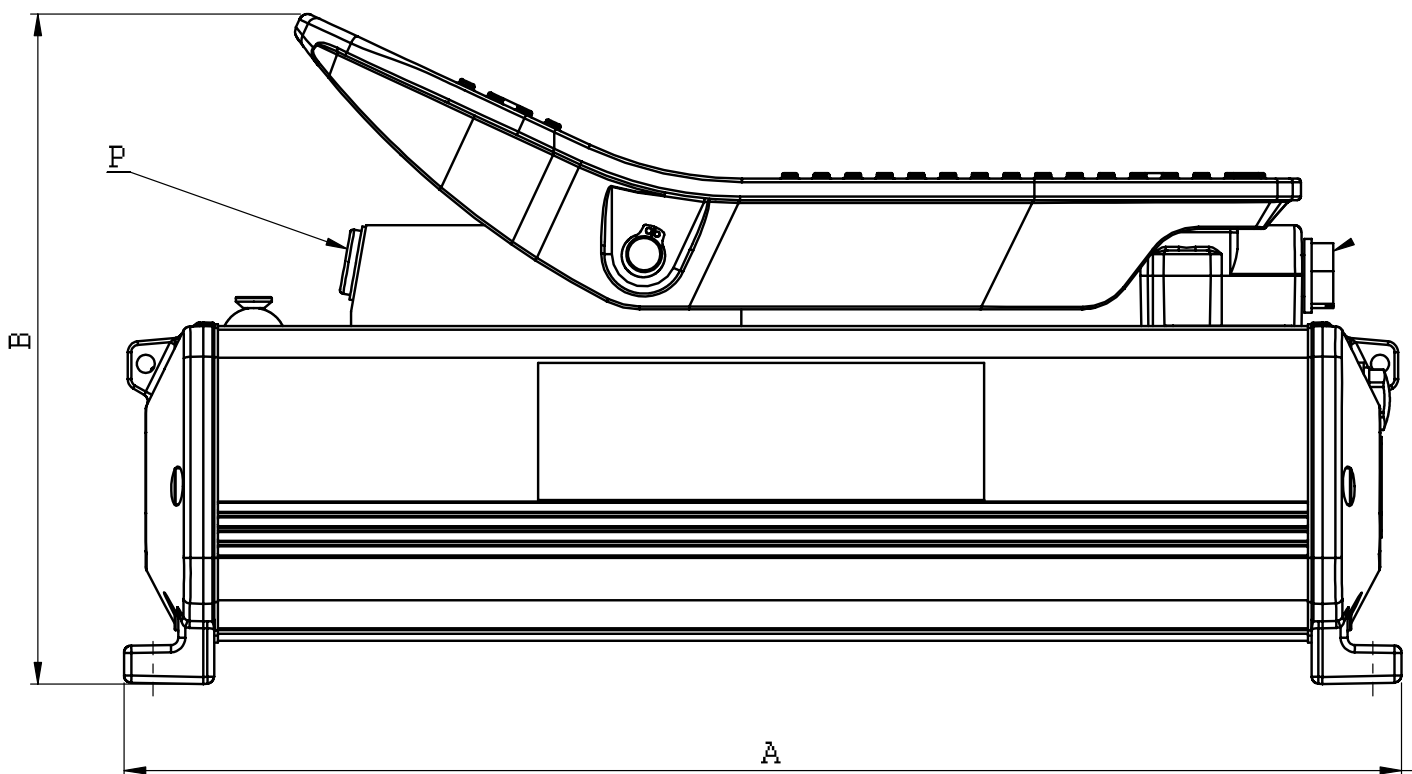
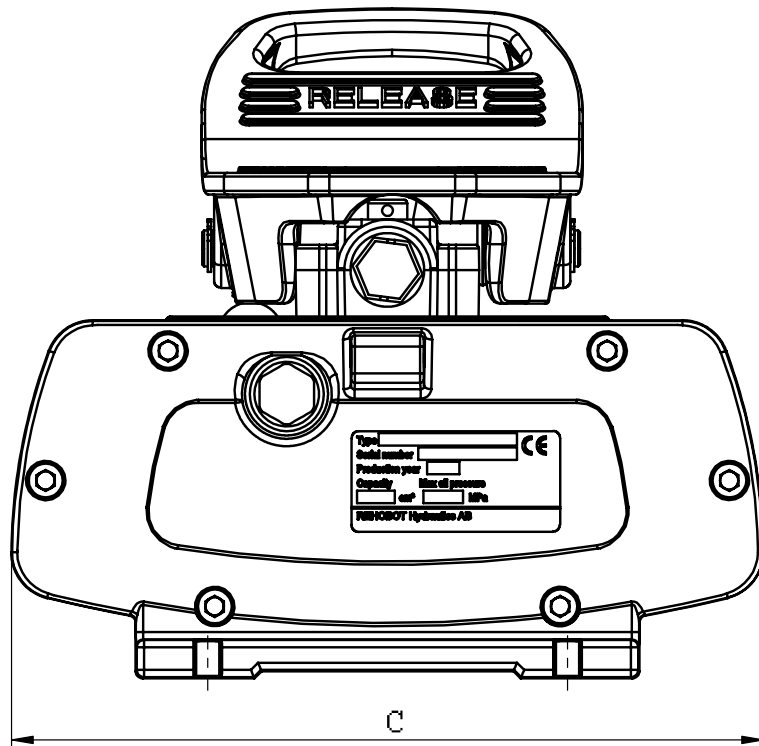
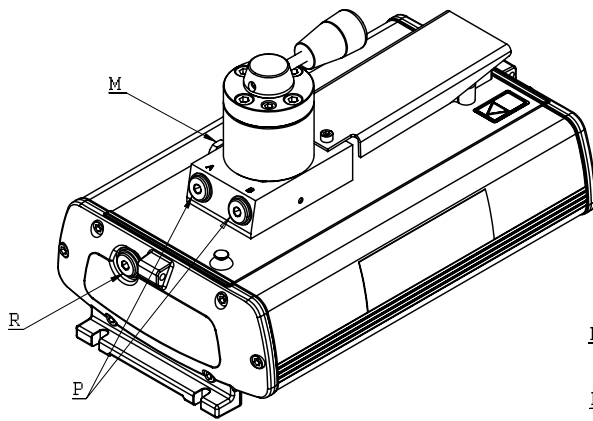
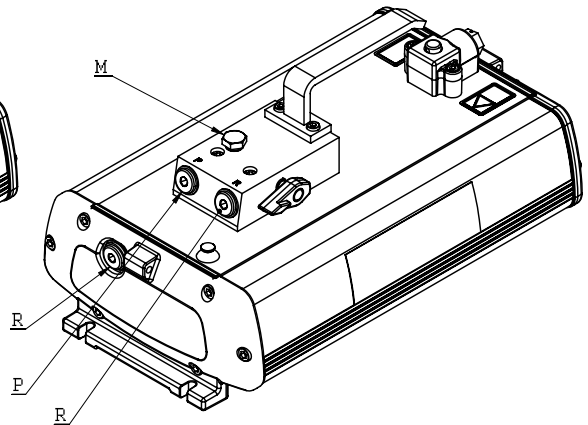


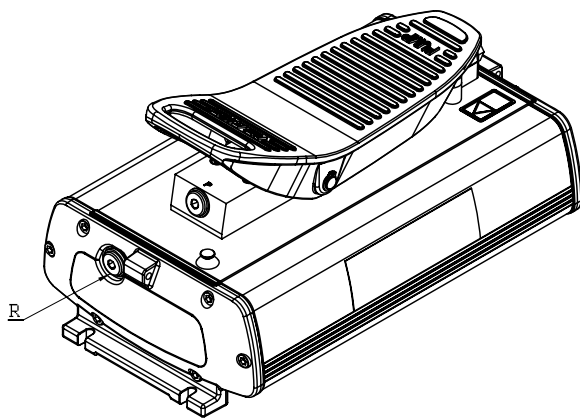
Fig. 1
PPxx - 2500



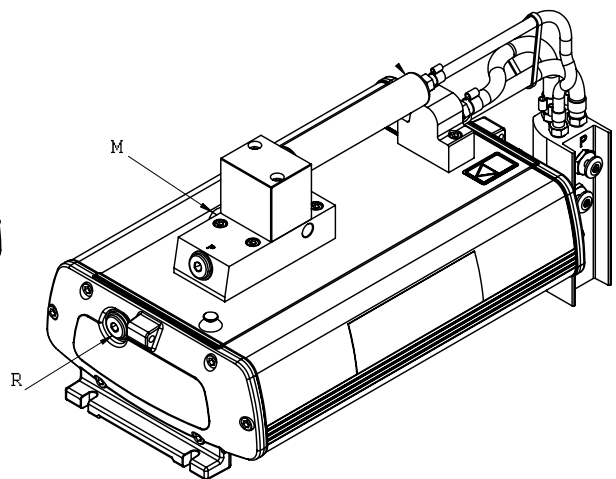
MLD Valve option



MRV Valve option



FP Valve option



RC Valve option

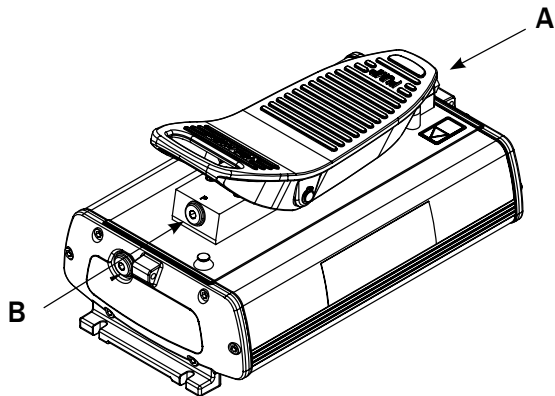


Fig. 2
PP70/80/100-2500FP

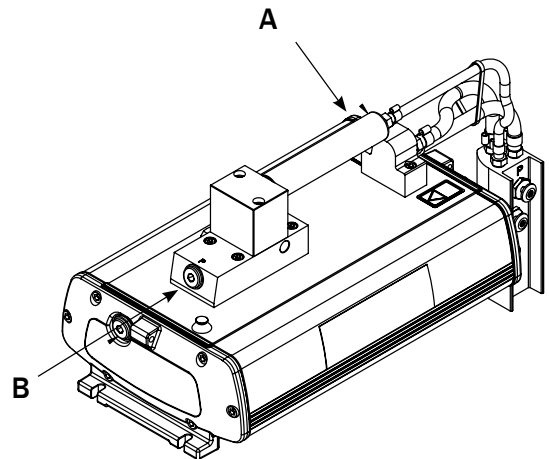


Fig. 2
PP70/80/100-2500RC

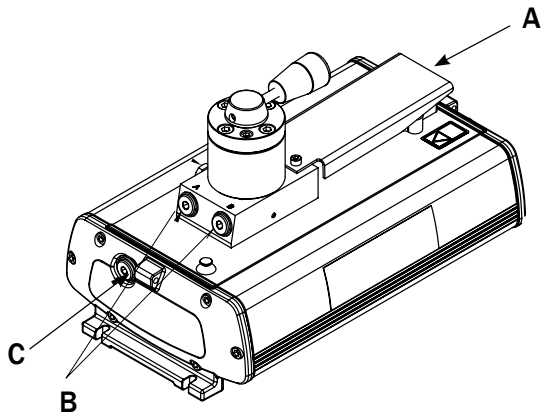


Fig. 2
PP70/80-2500MLD

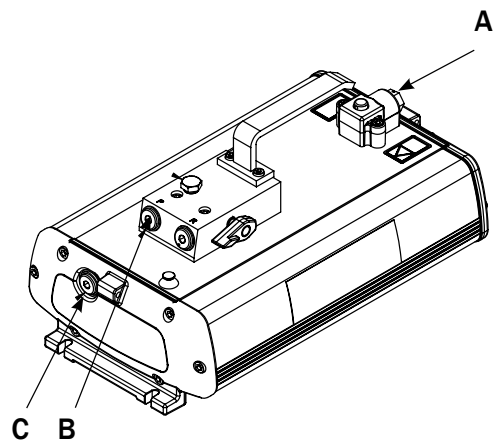


Fig. 2
PP70/80-2500MRV

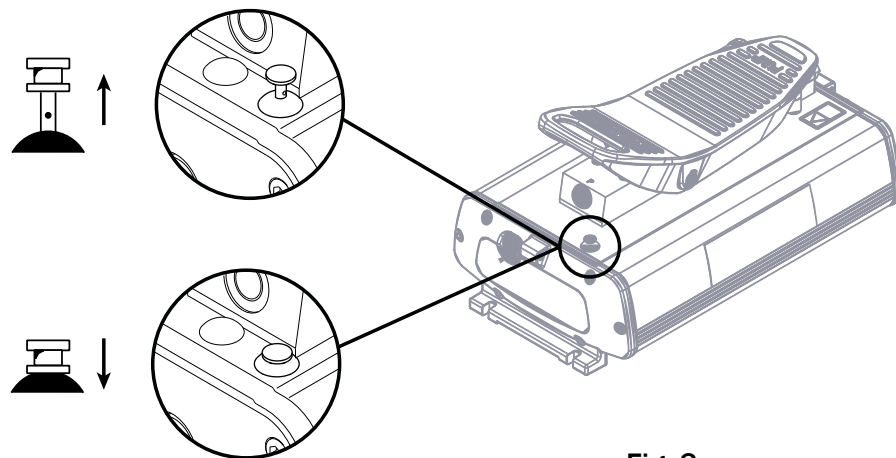


Fig. 3

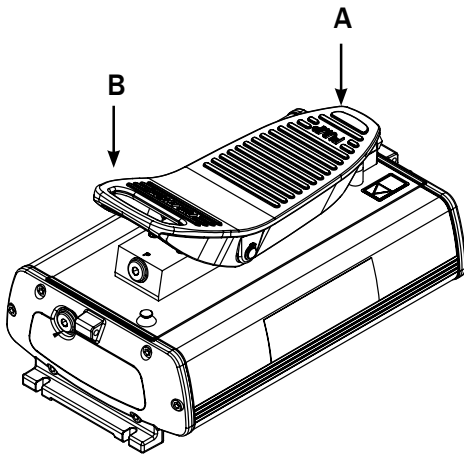


Fig. 4
PP70/80/100-2500FP

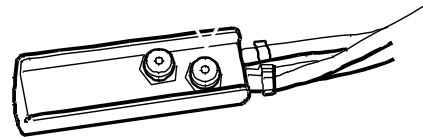


Fig. 4
PP70/80/100-2500RC

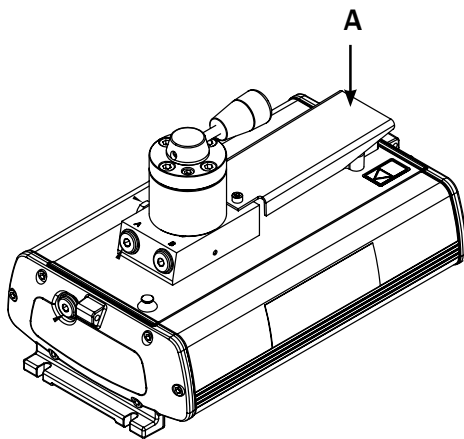


Fig. 4
PP70/80-2500MLD

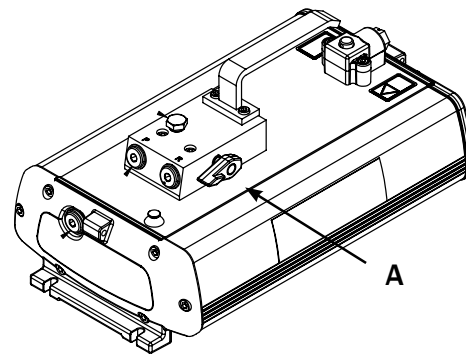


Fig. 4
PP70/80-2500MRV

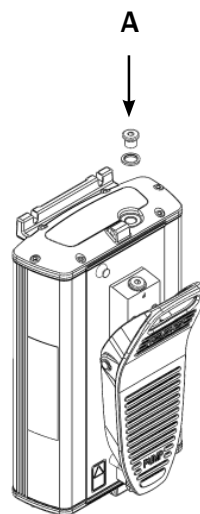


Fig. 5