REHOBOT®

MADE IN SWEDEN

POWER WITH HYDRAULICS

INDUSTRIAL PRODUCTS

PRODUCT OVERVIEW

256 TON

HAND PUMPS, ELECTRICAL PUMPS, PETROL DRIVEN PUMPS, AIR DRIVEN PUMPS, CYLINDERS, HOLLOW SHAFT CYLINDERS, COMPACT CYLINDERS, ACCESSORIES

www.rehobot.co.uk

ABOUT REHOBOT HYDRAULICS

REHOBOT Hydraulics is a successful Swedish company who specializes in: development, manufacturing and marketing of high quality, high pressure hydraulic products & systems, used in Service & Maintenance applications worldwide in ambient or harsh environments as the customers requirements demand.

REHOBOT through its acquisition of the NIKE trademarks in 2010 is able to enhance and improve on the reputation already in the market place for quality, reliability and performance. The product portfolio includes: Hydraulic pumps, Cylinders/Rams, Workshop equipment, Hydraulic tools and Rescue equipment.

Our business is divided into three main business areas:

- Industrial
- Automotive
- Rescue

REHOBOT operates from its Head office in Eskilstuna Sweden, which also incorporates its manufacturing and R&D facilities.To enhance the company's on-going development, we currently have fully operational subsidiaries in the: United Kingdom, USA and China. This base is also supported by an extensive network of authorized distributors, dealers & service centres.

WE SOLVE YOUR PROBLEMS

REHOBOT has extensive experience in developing and producing bespoke solutions designed to our customers needs based on the latest High Pressure Hydraulic technology.

With 80 years background experience, we can develop cost effective bespoke solutions to your requirements, to budget and on-time.

ALWAYS EXCEEDING YOUR EXPECTATIONS!

REHOBOT's reputation has been founded on quality of the products produced. Our goal now is to exceed your expectations, not only with the quality and reliability of the products, but also with a comprehensive customer orientated support & service structure.

REHOBOT Industrial Hydraulic Products are used in many different applications and users worldwide. Process, mining, steel, construction, railways and shipbuilding are some of the many industries we serve.

The equipment we have supplied to these customers includes:

Hand/Air/Electric powered hydraulic pumps, steel and aluminium cylinders, push-pull kits, pullers, spreaders, cutting tools, and specialized tools kits.

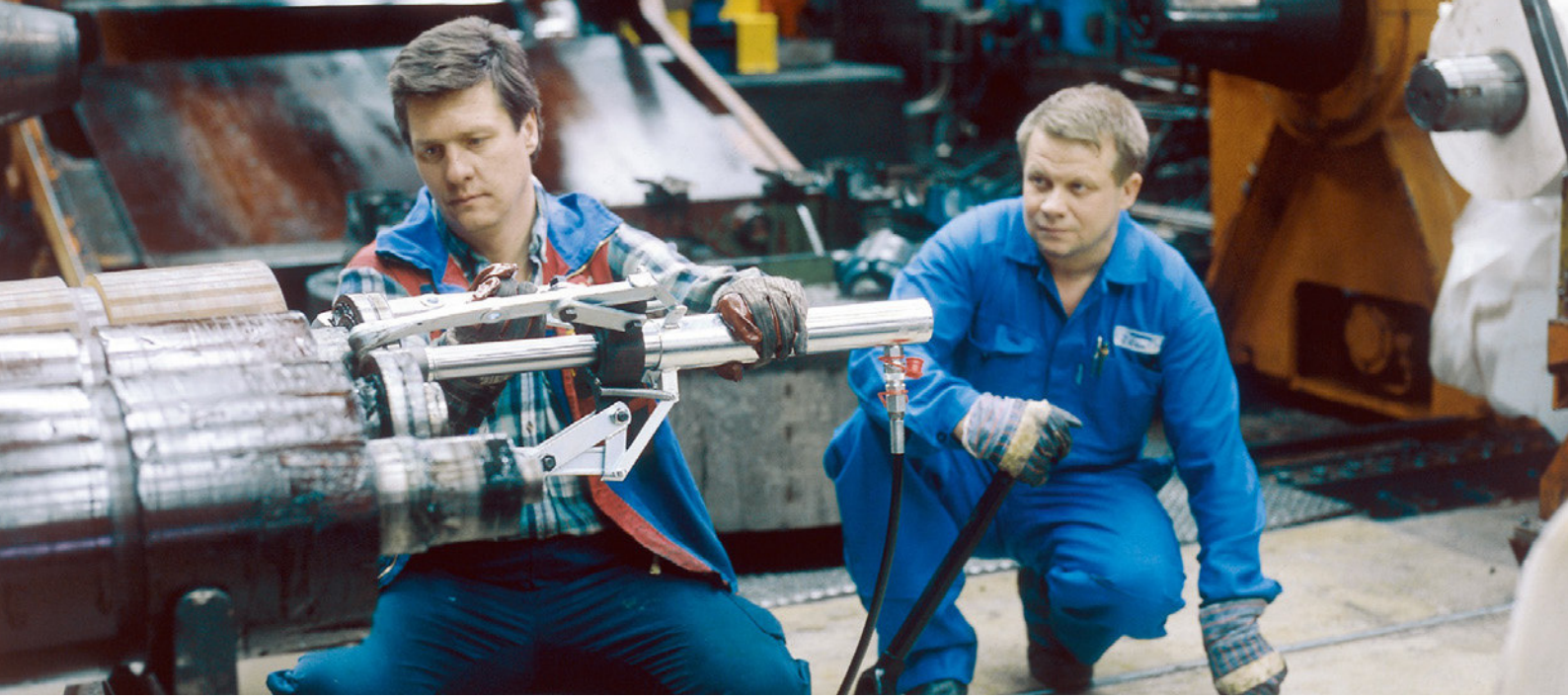
REHOBOT, works in close collaboration with many leading OEM Companies, which has resulted in the development of customised solutions, meeting the client's exact unique demands, ensuring a long and mutually profitable relationship.

REHOBOT Hydraulics is certified in accordance with ISO 9001 & ISO 14001 - standards.

REHOBOT's products are suitable for use in harsh environments.

Lifting capacity and stroke can be adjusted to match the application that the cylinders are used in.

Custom made pumps developed for the Automotive industry. Constantly challenged to improve automotive productivity.



PUMPS – CREATING POWER!

REHOBOT pumps have a functional design to withstand rough handling in harsh environments. They can be used in many different applications & industries. The pumps can be used with all hydraulic tools and cylinders in the REHOBOT's product range.

REHOBOT pumps are used worldwide and every possible environment. Some examples can be found within the engineering, automotive, mining and petrochemical industries.

We are happy to tailor the pumps to our customers' needs, thus providing flexible and cost effective solutions.

Our designs are based on long experience within the field of hydraulics. The results are pumps that are easy to operate, repair & service - saving time and money for our customers! The life expectancy of REHOBOT products leads the market. Our pumps provide power that last for generations!

Hand powered pumps – Are lightweight, portable and do not require an external power source. These pumps are cost effective, easy to use, and are ideal for workshop or field use applications.

Air powered pumps – A cost effective option for faster and more efficient operations. No manual effort required by the operator. Portable and ideal for workshop use, only standard air-line supply required. Field use is feasible if access to a compressor is available.

Electrically powered pumps– The best option where large capacities of oil is required: e.g. multiple cylinder operations. By the addition of different valve types, these pumps can easily operate multiple tools. The electric pumps are suitable in stationary installations.

Petrol powered pumps – An excellent alternative where, field operations are required: e.g. construction sites and shipyards. No external power source is required.

Should you be unable to find a pump to suit your requirement in the following series and table, please contact REHOBOT to discuss your application in detail.

REHOBOT PUMPS ARE

- Cost effective
- High quality
- Reliable
- Ergonomically designed
- Simple to use

REHOBOT'S DIFFERENT PUMP SERIES

- PH - series - Single stage hand pump
- PHS - series - Two stageed hand pump
- PME - series - Electrically powered pump
- PMP - series - Petrol powered pump
- PP - series - Air powered pump

PH - SINGLE STAGE HAND PUMPS

The single stage PH series of hand pumps are available with 700 or 800 bar working pressure and with the option of 600 & 1000 cm^3 useable oil reservoir capacities.

The 700 bar version can also be fully assembled with 2m long hose (LS201ES), swivel coupling (ASE10) & female half coupling AQI7 upon order. The order code for these variants are: PH70-600/LS201 & PH70-1000/LS201 respectively.

Technical tip: To ensure complete operator safety at all times we recommend the fitting of a pressure gauge (AMT801) with gauge adaptor (AVM204) to this series of hand pumps.

PRESSURE GAUGES

An example of a pump PH70-600 equipped with pressure gauge AMT801 & gauge adaptor AVM204, used for display of the hydraulic pressure.

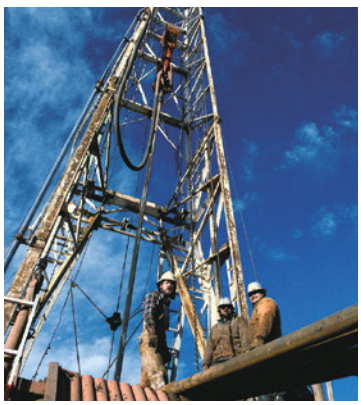
SHUT-OFF VALVE

VAD22 shot off valve increase and improve the usage of the hand pump. Shut-off valves for hose- or direct assembly onto the pump is included in the range of accessories

Name	Part number	Working pressure	Eff. oil volume	Capacity	Pump force	Length	Width	Height	Weight
		MPa	cm^3	cm^3/stroke	N	mm	mm	mm	kg
PH70A-600	49100	70	600	2.9	450	590	90	170	4.5
PH70A-600/LS201	49108	70	600	2.9	450	590	90	170	4.7
PH70A-1000	49101	70	1000	2.9	450	590	110	170	5.2
PH70A-1000/LS201	49109	70	1000	2.9	450	590	110	170	5.4
PH80A-600	49102	80	600	2.9	515	590	90	170	4.5
PH80A-1000	49103	80	1000	2.9	515	590	110	170	5.2

Note: *The hydraulic connection interface on all PH-pumps is constitued by a G1/4" threaded port.*

Technical tip: When fitting hoses & accessories to any hydraulic equipment, please ensure that the working pressure rating matches or exceeds that of the pump supplying the system. Also ensure the effective oil volume of the pump exceeds the total oil volume of the hydraulic system.



PHS - TWO STAGE HAND PUMPS

The REHOBOT two-stage PHS hand pump comes with a pressure gauge as standard. This gives the user a precise and safe control over the work carried out. The gauge is directly mounted onto the pump and well protected by the specially designed pump lever. The 2-stage function makes the pump simple to operate permitting the cylinder or hydraulic tool to reach its working position much faster compared with 1-stage pumps.

- Hydraulic return connection port standard on all pumps
- Robust aluminium tank with low weight and simple oil filling
- Needle hold/release valve - ensures precise control over lowering operation
- Mounting holes for fixed installations & handle locking system for easy carrying

The PHS-pumps with 70MPa pumps are also available fully assembled with hose including a quick coupling AQI7 and swivel coupling ASE10. Please contact REHOBOT to obtain further details and ordering information.

Name	Part number	Working pressure	Eff. oil volume	Capacity cm³/stroke		Pump force	Pressure gauge	Length	Width	Height	Weight
		MPa	cm³	High-pressure	Low-pressure	N	Type	mm	mm	mm	kg
PHS70-300	44411	70	300	1	20	350	AMT801	320	110	170	6
PHS70-1000	44400	70	1000	2	20	320	AMT801	620	110	170	8.1
PHS70-2400	44405	70	2400	2	20	320	AMT801	620	110	170	9.9
PHS70-4100	50605	70	4100	2	20	320	AMT801	620	185	170	13.7
PHS80-300	44412	80	300	1	20	400	AMT801	320	110	170	6
PHS80-1000	44401	80	1000	2	20	360	AMT801	620	110	170	8.1
PHS80-2400	44406	80	2400	2	20	360	AMT801	620	110	170	9.9
PHS80-4100	50606	80	4100	2	20	360	AMT801	620	185	170	13.7
PHS100-1000	44402	100	1000	1	20	230	TX104	620	110	170	8.3
PHS100-2400	44407	100	2400	1	20	230	TX104	620	110	170	10.1
PHS150-1000	44403	150	1000	1	20	370	TX104	620	110	170	8.3
PHS150-2400	44408	150	2400	1	20	370	TX104	620	110	170	10.1
PHS150-1000L	44899	150	1000	1	20	370	AMT151	620	110	170	8.5
PHS150-2400L	44903	150	2400	1	20	370	AMT151	620	110	170	10.3
PHS240-2400L*)	44910	240	2400	0.7	20	460	AMT301	620	110	170	10.3

**) PHS240 are designed for ultra high pressures. All additional components & accessories needs to be selected for use with ultra high pressures e.g. equipped with a conical sealing principle. The hydraulic pressure port connection interface on the PHS240-2400L is a 9/16" - 18 UNF thread port with 60° Internal cone. The pressure return connection is constituted by a G1/4" internal threaded port.*

***Note:** The hydraulic pressure & return connection interface on all other PHS-pumps are constituted by two G1/4" threaded ports.*

Technical tip: When fitting hoses & accessories to any hydraulic equipment, please ensure that the working pressure rating matches or exceeds that of the pump supplying the system. Also ensure the effective oil volume of the pump exceeds the total oil volume of the hydraulic system.

PRESSURE GAUGE

All pumps in the PHS-series comes with a pressure gauge as standard. Different units for the representation of pressure or load can be supplied upon request.

PRESSURE VALVES

PHS-pumps with the pressure range of 70-80 MPa can be equipped with a directional valves. These accessories enable operation of double acting cylinders or other hydraulic tools.

PME - ELECTRICALLY POWERED PUMPS

REHOBOT's electrically powered hydraulic pumps are reliable, versatile and easy to use. All pumps have a double-speed operation with automatic switching between high and low pressure at 2 MPa - 6 MPa depending on the pump type.

The low-pressure unit is a gear pump that gives a high flow up to the switching pressure. The high-pressure unit is a single or double-piston pump.

PME70-2030ADV and PME70-2030MRV are equipped with foot actuated pedal for on/off control. All other models have a start/stop button placed on the motor.

Description of the valve alternatives:

ADV - Automatic release valve. Oil returns to tank when motor is switched off. The pressure built up in the tool then drops and the tool returns automatically. For crimping, cutting or press tools that are used in high-frequency applications. Not for lifting applications!

MRV - Manual release valve. Suitable when you want to maintain the pressure in the tool for an extended period and have a controlled release. Recommended usage with tools for cable crimping or cutting.

AP - Adapter plate. This pump has no valve, but simply a connecting plate with G1/4" pressure & return ports.

MLS - With lever valve for single-acting tool/cylinder.

MLD - With lever valve for double-acting tool/cylinder.

SS - With solenoid valve for single-acting tool/cylinder (24 V DC). Remote control TRC230-24 or external input control is needed.

SD - With solenoid valve for double-acting tool/cylinder (24 V DC). Remote control TRC230-24 or external input control is needed.

Name	Part number	Working pressure	Eff. oil volyme	Capacity cm³/min		Motor	Length	Width	Height	Weight
		MPa	cm³	Low pressure	High pressure	V/kW	mm	mm	mm	kg
PME70-2030ADV	43005	70	3200	2700	300	230/0.55	285	285	520	23
PME70-2030MRV	43006	70	3200	2700	300	230/0.55	335	285	520	23
PME70-2030AP	43000	70	3200	2700	300	230/0.55	285	285	520	23
PME70-2030MLS	43001	70	3200	2700	300	230/0.55	330	285	520	24
PME70-2030MLD	43002	70	3200	2700	300	230/0.55	330	285	520	24
PME70-2030SS	43003	70	3200	2700	300	230/0.55	380	300	520	27
PME70-2030SD	43004	70	3200	2700	300	230/0.55	380	300	520	27
PME70A-4100AP	43007	70	10000	7500	1600	400/2.2	335	370	575	45
PME70A-4100MLS	43008	70	10000	7500	1600	400/2.2	375	370	575	46
PME70A-4100MLD	43009	70	10000	7500	1600	400/2.2	375	370	575	46
PME70A-4100SS	43010	70	10000	7500	1600	400/2.2	430	370	575	49
PME70A-4100SD	43011	70	10000	7500	1600	400/2.2	430	370	575	49
PME70A-4200AP	43012	70	20000	7500	1600	400/2.2	460	525	525	62
PME70A-4200MLS	43013	70	20000	7500	1600	400/2.2	480	525	525	63
PME70A-4200MLD	43014	70	20000	7500	1600	400/2.2	480	525	525	63
PME70A-4200SS	43015	70	20000	7500	1600	400/2.2	460	525	525	66
PME70A-4200SD	43043	70	20000	7500	1600	400/2.2	460	525	525	66

Note: *The hydraulic pressure & return connection interface on all PME-pumps are constituted by two G1/4" threaded ports.*

Technical tip! To ensure complete operator safety at all times we recommend the fitting of a pressure gauge (AMT801) with gauge adaptor (AAM14) to this series of pumps

PMP - PETROL POWERED PUMPS

Hydraulic petrol-driven pumps with a high oil flow rate. Petrol-driven pumps are a good alternative when you need a mobile pump that doesn't require an external power source. Examples are on building sites, shipyards and in rescue situations

- Double-speed pumps with automatic switching between low and high pressure.
- Supplied with protective frame and rubber feet.
- Open design for effective cooling during operation.
- Can be equipped with hose reel and other accessories.

MLS - version is suitable for single acting tools.
MLD - version is suitable for double acting tools.

Name	Part number	Working pressure	Eff. oil volyme	Capacity cm³/min		Motor	Length	Width	Height	Weight
		MPa	cm³	Low pressure	High pressure	kW	mm	mm	mm	kg
PMP70-2100MLS	46248	70	2100	2350	550	1 cyl, 4-takt, 1.3 kW	337	280	397	15.4
PMP70-2100MLD	46249	70	2100	2350	550	1 cyl, 4-takt, 1.3 kW	337	280	397	16.9

Note: *The hydraulic pressure & return connection interface on all PME-pumps are constituted by two G1/4" threaded ports.*

Technical tip! The PMP pump can be equipped with a pressure gauge for instance pressure gauge AMT801.

PPxx-1000 - AIR HYDRAULIC PUMPS

PPxx-1000 air hydraulic pumps are compact pumps that operate in any position, horizontally or vertically. The pumps can easily be operated by hand or foot.

- High oil flow.
- Easy to fill & chec oil level.
- Over pressure safety valve prevents overfilling of the tank during release operation which minimizes risk of injury!
- Return oil hose can easily be connected to oil reservoir filler hole.

Technical tip! For PPxx - pump series we recommend pressure gauge AMT801 & gauge adaptor AVM204.

PP70-1000 - the pumps can be supplied with pre-mounted hose 2 m or 2,5 m, quick coupling (AQI7) and swivel coupling (ASE10). The product designation in such cases are PP70-1000/LS201 (2m) with part nr: 45193 or PP70-1000/LS250 (2,5m) with part nr: 45192

Name	Part number	Working pressure	Eff. oil volyme	Capacity cm³/min		Air pressure MPa		Length	Width	Height	Weight
		MPa	cm³	Low-pressure	High-perssure	min	max	mm	mm	mm	kg
PP70B-1000	49300	70	1000	750	170	0.6	1.2	439	100	174	5.9
PP80B-1000	49301	80	1000	600	160	0.6	1.2	439	100	174	5.9
PP100B-1000	49302	100	1000	600	120	0.6	1.2	439	100	174	5.9
PP150B-1000	47685	150	1000	369	65	0.6	1.2	439	100	174	5.9

Note: *The hydraulic connection interface on all PP - pumps is constituted by a G1/4" threaded port.*

PPxx-2500 - AIR HYDRAULIC PUMPS

The PPxx-2500 series incorporates the following features:

- FP, RC and MRV models have built-in release valve that return oil to the tank.
- Safe, internal overflow & integrated safety valve.
- High oil-flow, sight level glass & robust aluminium design

Designed to be powered by 2.5 to 10 Bar air pressure line the PPxx-2500 ensures a trouble free and ergonomic way of generating hydraulic pressure. The air driven pump is suitable for stationary use in workshops and many other industrial applications.

The PPxx-2500 is ideally suited for use with REHOBOT Push & Pull kits and other hydraulic tools or cylinders. The pump can easily be equipped with additional pressure gauges, preassemble with hoses or couplings and comes with a vast number of valve options.

VALVE OPTIONS

Name	Description
FP	Foot Pedal. The FP option is ideal when both hands of the operator needs to be working with the work piece or tool. The foot pedal control the start/stop of hydraulic flow and also its release back to the oil reservoir.
RC	Remote Control. The RC option with a remote control is utilized by a 2.5 m remote control unit. The pump is controlled by two push buttons on the remote unit controlling the start/stop of hydraulic flow and its release back to the oil reservoir.
MLD	Manual Lever control for Double acting tools. The manual lever is set to direct the hydraulic flow over 2 different ports. A foot pedal is used for the start/stop function.
MRV	Manual Release Valve. The MRV option is suitable when the pump is used together with tools equipped with internal valve functions. The pumps has a G1/4" pressure & return connection and a manual release valve.

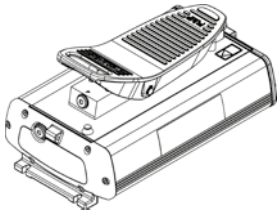
Name	Part number	Working pressure	Eff. oil volyme	Capacity cm³/min		Air pressure MPa	Length	Width	Height	Weight
		MPa	cm³	Low-pressure	High-pressure	min	mm	mm	mm	kg
PP70-2500FP	50000	70/700	2500	1150	260	0.65/6.5	355	209	187	10.1
PP70-2500RC	50001	70/700	2500	1070	200	0.65/6.5	355	209	175	10.8
PP70-2500MLD	50002	70/700	2500	1150	260	0.65/6.5	355	209	214	10.5
PP70-2500MRV	50003	70/700	2500	1150	260	0.65/6.5	355	209	171	9.8
PP80-2500FP	50004	80/800	2500	760	170	0.6/6	355	209	187	10.1
PP80-2500RC	50005	80/800	2500	710	130	0.6/6	355	209	175	10.8
PP80-2500MLD	50006	80/800	2500	760	170	0.6/6	355	209	214	10.5
PP80-2500MRV	50007	80/800	2500	760	170	0.6/6	355	209	171	9.8
PP100-2500FP	50008	100/1000	2500	760	100	0.65/6.5	355	209	187	10.8
PP100-2500RC	50009	100/1000	2500	710	80	0.65/6.5	355	209	175	11.5

Note: *The hydraulic connection interface on all PP - pumps is constituted by a G1/4" threaded port.*
Air inlet interface on the RC & MRV versions are constituted by a G1/4" port.
Air inlet interface on the FP & MLD versions are constituted by a NPT1/4" port.

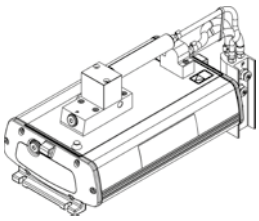
All pumps can be equipped with a pressure gauge. For pumps with valve option RC/MLD/MRV we recommend pressure gauge AMT801. For pumps with valve option FP we recommend pressure gauge AMT801 and gauge adaptor ATM214.

All PPxx-2500 series pumps are available in a pre-mounted version with hydraulic hose, Quick coupling AQI7 and Swivel coupling ASE10. Please contact you local REHOBOT representative to obtain the correct part number for PPxx-2500 equipped with these options.

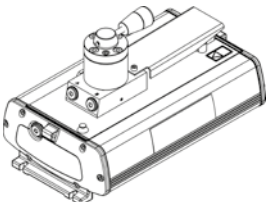
PPxx-2500 - AIR HYDRAULIC PUMPS *Continue*



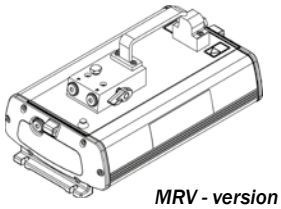
FP- version



RC- version



MLD- version



MRV - version

PPxx-9200 - AIR HYDRAULIC PUMPS

PPxx-9200 series pumps are delivered with remote control. Pump is controlled by two buttons on the control unit (start/stop and release).

- Large tank capacity (9.2 liter).
- 2.5 m remote lead & handle controls.
- Operating air pressure 6 to 12 bar
- Separate pressure gauge connection.
- Can easily be equipped with manifold blocks and valves ideal for multi cylinder operations.
- Internal safety relief valve for overload protection

Name	Part number	Working pressure	Eff. oil volyme	Capacity cm³/min		Air pressure Bar		Length	Width	Height	Weight
		MPa	cm³	Low-pressure	High-pressure	min	max	mm	mm	mm	kg
PP70-9200RC	50010	70	9200	1070	200	6	10	426	296	245	20
PP80-9200RC	50011	80	9200	710	150	6	10	426	296	245	20

Note: *The hydraulic pressure connection interface on all PP-pumps is constituted by a G1/4" threaded port.*

HYDRAULIC HOSES

Our original hoses are black polyamide / polyurethane hose with steel reinforcement. The case provides good abrasion resistance and long life.

See accessories catalogue for more information on the hoses. and all other accessories.

QUICK COUPLINGS

Swivel couplings can be installed on any pump, cylinder or hydraulic tool.

When using the swivel a variable/rotating (360°) connection between the pump and hose is achieved.

AROFLEX
Hydraulics Engineering

Innovative solutions tailored to your requirements:

- Hydraulics, power units and valves
- Pressure test units, high pressure hydraulics
- Production aids, machines

A wide range of excellent products:

- Proportional valves, emergency shut off valves, as well for hazardous areas
- Test couplings, check valves, pressure gauges
- Miniature-air/oil-coolers

Hydraulic components from well-known manufacturers,

- chosen by our high demands
- on quality and delivery reliability!

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- on hydraulic parts and systems
- carried out by our specialists.

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