



rspro.com

HYDRAULIC HAND & FOOT PUMPS

PRODUCT RANGE GUIDE



RS PRO HYDRAULIC HAND FOOT PUMPS



Hydraulic Hand Pumps & Air-hydraulic Foot Pumps

Hydraulic Hand Pumps & Air-hydraulic Foot Pumps

While the air-hydraulic pumps require a pneumatic line (air-compressed) to make any operation effortless, the hydraulic hand pumps do not need any out power-source (electric or air compressed) to enable them to operate meaning you can work independently from a power source making them extremely portable. These hand pumps manually transfer fluids contained in their own oil reservoirs and are a practical and cost-effective solution for various applications including filling, pressure testing and hydro test. Both the air-hydraulic pumps and these manual pumps can be single acting (displacement in on the forward stroke) or double acting (displaces liquid on forward and return stroke).

RS PRO have a great range of hydraulic equipment including hydraulic hand pumps and air-hydraulic foot pumps which contain models suitable for a variety of requirements, offering variations in liquid volume displaced versus the frequency of a measured effort of operating the handle. These hydraulic pumps are available in various pump styles and flow rates with pressure options suited to different applications.

How Do They Work?

The Hydraulic hand pumps as well as the air-hydraulic pumps are endowed with a reservoir that delivers the oil contained within to the output whenever the hand pump is activated by a lever or the pedal is pressed on the foot pump. When the lever is pumped 'downward' it generates pressure on the fluid through with a properly sized piston which leads to it being displaced through the outlet. When the lever is pumped up it 'sucks in' oil from the reservoir, resetting the piston for the next activation. In the air-hydraulic pump this switch is automatic. Hydraulic hand pumps & foot pumps contain safeguard valves that prevent any fluid overpressure being delivered in through the outlet. Many hydraulic hand pumps are known as 'double action' which means the effort on the lever is drastically reduced against a pressure increase, for more efficiency and speed.

Features and Benefits:

- Easy to operate, no power source need (hand pumps)
- Durable
- Low Maintenance
- Portable
- Cost effective and practical
- Single speed or Two speed
- Single acting or double acting hand & foot pumps



AUDITED
In compliance with
industry standard



INSPECTED
By leading
engineers



TESTED
For guaranteed quality
and performance



HYDRAULIC HAND PUMPS RANGE



				
RS PRO Product	309-327	309-330	309-331	309-333
Maximum Operating Pressure	700 bar	700 bar	700 bar	700 bar
Single/Two Speed	Double	Double	Double	Double
Usable Oil Capacity	1.4l	5l	5l	1,400 cm ³
Oil Port	3/8" NPT	3/8" NPT	3/8" NPT	3/8 NPT
Cylinder Stroke	24 mm	18.4 mm	18.4 mm	24 mm
Displacement per Stroke 1st Stage	11.8 cm ³	4.7 cm ³	4.7 cm ³	11.8 cm ³
Displacement per Stroke 2nd Stage	1.9 cm ³	0.95 cm ³	0.95 cm ³	1.9 cm ³
Max Force	43 kg	30 kg	30 kg	43 kg
Dimensions	597 x 160 x 193 mm	356 x 125 x 138 mm	356 x 125 x 138 mm	598 x 182 x 193 mm
Weight	8.55 kg	3.3 kg	3.3 kg	8.5kg
Handle / Pedal Operated	Handle (also available with pedal 309-328)	Handle	Handle	Handle (also available with pedal 309-334)
Features	Light, sturdy, and transportable for top level performance. Single acting cylinder compatibility Double stage for a very low effort on the lever and an increased efficiency	Ultra-Light, ultra-slip, sturdy, and super-portable for top level performance. Single acting cylinder compatibility Double stage for a very low effort on the lever and an increased efficiency	Ultra-Light, ultra-slip, sturdy, and super-portable for top level performance. This is complete solution of 309-330 with all accessories needed such as pressure gauge, couplings & hose	Compact and sturdy construction for heavy duty Double acting cylinder compatibility Double stage for a very low effort on the lever and an increased efficiency
Seals Kit RS PRO Product Number	309-323	-	-	309-321

HYDRAULIC FOOT PUMPS RANGE



					
RS PRO Product	309-328	309-334	RS PRO Product	309-336	309-337
Maximum Operating Pressure	700 bar	700 bar	Maximum Operating Pressure	700 bar	700 bar
Single/Two Speed	Double	Double	Single/Two Speed	Single	Double
Usable Oil Capacity	1.4l	1,400 cm ³	Type	Air-Hydraulic Pump	Air-Hydraulic Pump
Oil Port	3/8" NPT	3/8 NPT	Usable Oil Capacity	2.1l	9l
Cylinder Stroke	24 mm	24 mm	Oil Port	3/8" NPT	3/8" NPT
Displacement per Stroke 1st Stage	11.8 cm ³	11.8 cm ³	Oil Flow (Unload)	1.1 l/min	8.5 l/min
Displacement per Stroke 2nd Stage	1.9 cm ³	1.9 cm ³	Oil Flow (Load)	0.15 l/min	0.265 l/min
Max Force	43 kg	43 kg	Air Consumption	400 l/min	780 l/min
Dimensions	597 x 160 x 193 mm	598 x 182 x 193 mm	Dimensions	364 x 155 x 209 mm	375 x 297 x 327 mm
Weight	8.55 kg	8.5kg	Weight	6.76 kg	24.6kg
Handle / Pedal Operated	Pedal (also available with pedal 309-327)	Pedal (also available with pedal 309-333)	Handle / Pedal Operated	Pedal	Pedal
Features	Light, sturdy, and transportable for top level performance. Single acting cylinder compatibility Double stage for a very low effort on the lever and an increased efficiency	Compact and sturdy construction for heavy duty Double acting cylinder compatibility Double stage for a very low effort on the lever and an increased efficiency	Features	3-position pedal operation with spring return (advance, hold and release) Single-acting cylinder compatibility Relief safety valve on the lid Compact and robust construction for heavy duty and long durability	3-position pedal operation with spring return (advance, hold and release) Single-acting cylinder compatibility Double air motor for large oil flows (l/min) and high working pressures (700 bar)
Seals Kit RS PRO	309-323	309-321	Seals Kit RS PRO	309-324	309-325

HYDRAULIC HAND / FOOT PUMPS ACCESSORIES RANGE



	309-339 RS PRO G 1/4 Analogue Positive Pressure Gauge 1000bar Bottom Entry 63mm Outside Diameter - Maximum Pressure; 1000 Bar - Mounting Type: Bottom Entry - Connection Size: G 1/4" - Gauge Outside Diameter: 63mm - Case Material: Stainless Steel - Temperature Range: -20°C to 60°C - Pressure Range 0 → 1000bar - Applications: Industrial tools, clamping systems, pressure gauges, pneumo-hydraulic pumps, hydraulic pumps, hydraulic systems, equipment, compressors,		309-343 RS PRO Steel Male Hydraulic Quick Connect Coupling, NPT 3/8 Male - Thread: NPT 3/8" - Compatible With: Air-Hydraulic Pump - Material: Steel; Finish: Zinc; Seal Material: NBR - Maximum Operating Pressure 700 bar - The quick couplings can quickly connect and disconnect equipment from the circuit ensuring the absence of leaks and withstanding high pressures and temperatures. - Male to Female Connection
	309-340 RS PRO 2m PU Hydraulic Hose Assembly, 1500bar Max Pressure - Maximum Operating Pressure: 1500 Bar - Overall Length: 2m - Cover Material: PU - Inner Hose Material: Polyester Elastomer - NPT 3/8 Male - This hose comes supplied with a male coupling ready assembled for direct connection to a pump or cylinder - Flexible with a great dynamic and mechanical performance for very high-pressure hydraulic systems.		309-345 RS PRO Steel Female Hydraulic Quick Connect Coupling, NPT 3/8 Female - Thread: NPT 3/8" - Compatible With: Air-Hydraulic Pump - Material: Steel; Finish: Zinc; Seal Material: NBR - Maximum Operating Pressure 700 bar - The quick couplings can quickly connect and disconnect equipment from the circuit ensuring the absence of leaks and withstanding high pressures and temperatures. - Female to Male Connection
	309-342 RS PRO 3m PU Hydraulic Hose Assembly, 1500bar Max Pressure - Maximum Operating Pressure: 1500 Bar - Overall Length: 3m - Cover Material: PU - Inner Hose Material: Polyester Elastomer - NPT 3/8 Male - This hose comes supplied with a male coupling ready assembled for direct connection to a pump or cylinder - Flexible with a great dynamic and mechanical performance for very high-pressure hydraulic systems.		309-346 RS PRO Steel Female, Male Hydraulic Quick Connect Coupling Set NPT 3/8 Male, NPT 3/8 Female - Thread: NPT 3/8" - Compatible With: Air-Hydraulic Pump - Material: Steel; Finish: Zinc; Seal Material: NBR - Maximum Operating Pressure 700 bar - The quick couplings can quickly connect and disconnect equipment from the circuit ensuring the absence of leaks and withstanding high pressures and temperatures. - Set of Male and Female Coupling to provide solution

HYDRAULIC HAND / FOOT PUMPS ACCESSORIES RANGE



309-321



This seal kit is specifically put together to provide complete solution for our RS PRO Hydraulic

- Material: Elastomers; Nitrile
- Kit Content: 10 pieces set

For Hydraulic Pump
309-333



For Hydraulic Pump
309-334



309-323



This seal kit is specifically put together to provide complete solution for our RS PRO Hydraulic

- Material: Elastomers; Nitrile
- Kit Content: 10 pieces set

For Hydraulic Pump
309-327



For Hydraulic Pump
309-328



309-324



This seal kit is specifically put together to provide complete solution for our RS PRO Hydraulic

- Material: Elastomers; Nitrile
- Kit Content: 30 pieces set

For Hydraulic Pump
309-336



309-325



This seal kit is specifically put together to provide complete solution for our RS PRO Hydraulic

- Material: Elastomers; Nitrile
- Kit Content: 30 pieces set

For Hydraulic Pump
309-337



RS PRO is Your Smart Choice

A combination of quality, choice and value
for industrial supplies.



Learn more on **rspro.com**