

Features

- Suitable with agricultural chemicals or water.
- For spraying & transferring liquids.
- Ideal for use with: ATV mounted sprayers, horticultural spraying equipment, portable water systems, pole window cleaning.
- 4 piston type pump.
- Built in pressure/demand switch. Self-priming to 2.2m. EPDM diaphragm.
- Can be run dry. Max run time: 30 mins.
- Polypropylene pump housing. Temperature rating 5 - 50°C.

RS PRO Positive Displacement Pumps

RS Stock No.: 0326875



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

The RS PRO range of diaphragm pumps are self-priming and suitable for pumping water or agricultural chemicals. All pumps are designed for intermittent duty and are fitted with pressure switches for on-demand operation.

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- Can be run dry. **Max run time: 30 mins.**
- Polypropylene pump housing. Temperature rating 5 - 50°C.
- Inlet filter included

Ports:

- Includes, 1 x plug in - 1/2" threaded elbow, 1 x plug in elbow - 3/4" hose tail, 1 x 3/4" plug in hose tail.

General Specifications

Pump Type	4 piston on demand
Drive Type	Diaphragm
Input Thread Standard or Connection Type	Includes, 1 x plug in - 1/2" threaded elbow, 1 x plug in elbow - 3/4" hose tail, 1 x 3/4" plug in hose tail
Output Thread Standard or Connection Type	Includes, 1 x plug in - 1/2" threaded elbow, 1 x plug in elbow - 3/4" hose tail, 1 x 3/4" plug in hose tail
Feed/Flow Configuration	n/a
High Cycle Life	n/a
Self-Priming	Up to 2.2m
Elastomers	EPDM
Bypass	n/a

Electrical Specifications

Supply Voltage	230V
Input Power	n/a
Current	0.4A

Mechanical Specifications

Maximum Flow Rate	17 litres per minute
Maximum Head	Not available
Maximum Discharge Pressure	2.7bar (40psi)
Input Connection	Includes, 1 x plug in - 1/2" threaded elbow, 1 x plug in elbow - 3/4" hose tail, 1 x 3/4" plug in hose tail
Output Connection	Includes, 1 x plug in - 1/2" threaded elbow, 1 x plug in elbow - 3/4" hose tail, 1 x 3/4" plug in hose tail
Net Weight	2.8 kilos
Body Material	Polypropylene pump housing
Wetted Materials	EPDM. Polypropylene
Output Connection Size	Includes, 1 x plug in - 1/2" threaded elbow, 1 x plug in elbow - 3/4" hose tail, 1 x 3/4" plug in hose tail
Input Connection Size	Includes, 1 x plug in - 1/2" threaded elbow, 1 x plug in elbow - 3/4" hose tail, 1 x 3/4" plug in hose tail
Tubing Bore Size	n/a
Water Free Flow Rate	n/a
Water Delta Pressure	n/a
Air Free Flow Rate	n/a
Air Max Delta Pressure	n/a
Size	250mm long x 105mm wide x 100mm high
Maximum Viscosity	n/a
Noise	Not available
Connector Material	Polypropylene
Impeller Material	n/a
Seal Material	EPDM
Motor HP	92 watts
Cable	1.3m cable with 3 pin plug

Operation Environment Specifications

Maximum Fluid Temperature	5°C to 50°C
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Protection Category

IP Rating	IP55
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Approvals

Compliance/Certifications	CE
Declarations	SI 2016 1091 Electromagnetic Compatibility Regulations SI 2016 1101 Electrical Equipment Safety Regulations SI 2008 1597 Supply of Machinery Safety Regulations SI 2016 1105 Pressure Equipment Safety Regulations SI 2013 3113 Waste Electrical & Electronic Equipment Regulations

Environmental Information

ENVIRONMENTAL INFORMATION

UK Regulation SI 2013 3113 requires that the equipment bearing this symbol on the product an/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product must be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities.



Important Warning Notes

IMPORTANT WARNING NOTES

1. The pump **MUST NOT** be used to dispense petrol or other flammable liquids.
2. Installation of this equipment and its associated tank, pipe work and fittings should only be carried out by qualified installation engineers.
3. The installation must conform to all relevant electrical and local authority regulations and standards.

Installation

INSTALLATION

The pumps are mounted via the soft rubber noise reducing mounts fitted to the base of each pump unit. The pumps are to be connected to a suitable power supply as follows:

12V DC: Red = (+) Positive
Black = (-) Negative

24V DC: Red = (+) Positive
Black = (-) Negative

110V AC Brown = Live
Blue = Neutral
Yellow/Green = Earth

230V AC: Brown = Live
Blue = Neutral
Yellow/Green = Earth

1. Ensure the inlet and outlet fittings are securely connected.
2. Power up the pump and ensure that any nozzle or valve on the outlet is open. The pump will self-prime and purge itself of any air present.
3. Close the nozzle/valve on the outlet and the pump will now stop.
4. Check the pump and all connections for any leaks after first use.

IMPORTANT: These RS PRO diaphragm pumps are intermittent duty pumps, which have a duty cycle of a maximum of 30 minutes. This means after 30 minutes of constant usage the pump must be turned off and left to cool down for 30 minutes before it can be restarted. Electrical load and ambient temperature may affect the duty cycle. Using the pump beyond its recommended duty cycle may damage the pump unit, reduce the pumps lifespan, and could invalidate any warranty.

SPECIFICATIONS See label on the pump unit for further information.