



Remediation pressure pump

General:

Pump model:	Art. no. 12.62
Outside diameter:	89 mm
Liquid intake:	Bottom filling
Overall length:	1145 mm
Weight:	7.5 kg
Maximum flow rate:	55 lit/min
Average cycle volume:	1.20 lit
Maximum drawdown level:	660 mm
Restart liquid level:	720 mm

Performance:

Maximum head:	80 metres
Pressure range:	2 to 8 bar
Air usage at max flow:	140 lit/min (5 cfm)
Minimum density range:	0.7 SpG
Typical liquids:	Landfill leachate/dissolved solvents/fuels

Materials:

Body:	FRP/Stainless steel
Float:	Closed cell polyurethane
Main components:	Stainless steel

Connections & fittings

Discharge:	1" BSP
Air vent:	3/8" BSP
Air inlet:	1/4" BSP
Fittings:	One touch or hoesetail

Tubing:

Discharge:	Polyethylene/PUR
Air:	Nylon/polyethylene/PUR
Vent:	Nylon/polyethylene/PUR

Ordering information

- 12.62 Pneumatic submersible pressure pump, large capacity for contaminated water or hydrocarbons. Bottom filling. Adjustable liquid level and flow rate, with internal float. Diameter 89 mm, length 1145 mm. Capacity till 3300 l/hr. Maximum pressure head 80 m, air usage 140 l/min.



Pumping capacity:

As liquid enters the 12.62 pump under gravity and exits under the pressure of compressed air the performance of the pump is dependent on several factors which include:

- Depth of liquid above pump inlet (submergence)
- Operating air pressure
- Internal diameter of hoses used
- Total dynamic head

The performance curve opposite is based on the following criteria:

Air pressure:	7 bar
Liquid discharge ID:	25 mm
Air vent ID:	19 mm
Air inlet ID:	12 mm

Air requirement

Pressure

The pressure required will depend on the total dynamic head of the system. It is recommended that the pressure should be set at the calculated maximum air pressure plus 1 bar.

Volume

The amount of air required for the 12.62 pump will depend on the volume of liquid which is being pumped. This is determined by the total dynamic head of the system.

Maximum air requirement: 140 lit/min (5 cfm)

If the liquid level above the pump inlet is reduced then the pump will fill slower and therefore the flow will be reduced. The air requirement will therefore also be reduced. To size the correct compressor for any installation it is recommended that it be sized for the maximum air requirement.

Should the flow be reduced due to drawdown within the well then the actual air requirement will decrease which will save on energy or allow additional pumps to be added to the same compressor.

Specifications may be changed without prior notice.

