

<http://www.cornelsen.co.uk/Products/Remediation-Total-Fluids-Pumps/SRX-Remediation-Pump.html>

PRODUCT CODE: TR-974 / TR-975 / TR976 / TR977 / TR-978

SRX Remediation Pump



Pneumatic pumps for use in 2-inch and larger-diameter wells up to 200 ft.

BENEFITS

- More Uptime
- Reliable
- Simple Routine Maintenance
- Very Competitive Price
- Few Parts - Low Inventory
- Easy Replacement for Existing Pump
- Lightweight

KEY DESIGN FEATURES

- Advanced, positive-sealing air valves with built-in filtration
- Tolerance for high temperatures (120 oC)
- Complete disassembly with only one spanner
- Stainless Steel, brass and Viton®
- Durable Ebonite float

DESCRIPTION:

The SRX is an air-powered pump used to extract ground water or total fluids at variable rates equal to the well recharge rates. The SRX is available in a 43.75mm OD or 87.5mm OD for use in 2" and 4" wells. Pump flow rates are up to 35 l/min (2.1m³/hr) The SRX pump is available in top loading for recovering total fluids or bottom loading for dissolved phase and higher pumping rates

Number	Model	Pump OD (in)	Pump Length (in)	Vol. per. Cycle (US gal.)	Min. Submergence (in)	Pump Weight (lb)	Max. Flow Rate(gpm)	Air Valve Filtration
TR-974	SRX-R LS (short)	3.5	39.0	0.2	39.0	16.6	7.0	Yes
TR-975	SRX-R BL	3.5	46.25	0.4	29.1	16.7	9.5	Yes
TR-976	SRX-R TL	3.5	44.5	0.4	44.5	18.0	8.0	Yes
TR-977	SRX-R BL	1.75	44	0.12	29.3	4.0	2.3	Yes
TR-978	SRX-R TL	1.75	43.5	0.12	43.5	4.2	1.8	Yes

AIR VALVE DESIGN

The advanced air valve design provides a leak-tight seal. This is accomplished with a special Viton® ball on a stainless steel seat. The positive seal eliminates air leakage that can increase the formation of precipitates at the pump head. Assisted by an isolated magnet, the valve shifts positively, every time. This prevents stalling even in slow-filling situations. No adjustments are necessary with this valve assembly.

without disassembling the body. In addition, the internal valve assemblies can be accessed by removing the hose barb.

LIGHTWEIGHT CONTROL ROD

The lightweight control rod is a primary reason why the SRX does not stall. Less weight translates into less force to open the air valve. This ensures a quick, positive opening every time. The control rod is isolated from the energy that is created by the float movement, therefore eliminating any stress on the rod.

AIR VALVE FILTRATION

The air valve incorporates 330-mesh stainless steel screens to prevent debris from entering the ball/seat sealing assembly, possibly causing the valve to malfunction. On other pumps, when the air supply to the pump is turned off, the float will activate the air valve and create a pathway through which debris may enter the air valve and interfere with the proper seating of the ball. This is not a concern with the SRX pump. Please note the two inch pump does not include a filter assembly.

PUMP DISASSEMBLY

The SRX pump is designed to be completely disassembled with just one wrench. Remove the bolts from the bottom assembly, slide the body off and remove two cotter pins to fully disassemble the pump. Simple!

SCREEN INLET

For cleaning bottom-loading pumps, the screen is easily removed by unthreading a single bolt. To protect the screen from collapse, the screen assembly is supported by the arch at the bottom of the pump.



Top view of TR-975 and TR-977 bottom-loading pumps



Bottom-loading pump, TR-975, disassembled.

EASY ACCESS

To make routine maintenance easier, the air and exhaust valves on the SRX can be accessed from the top of the pump

