

Cement Injection Pump [RMT 545 RNS]

The **RMT 545 RNS** pump is an air operated pump. It is suitable for Cement Injection. It is pneumatically operated unit and can be easily installed at any place without any trouble and it is fully safe to use.

It is basically designed for Cement grouts & water based binder where low volume but high Pressure is required. The major attraction of **545 RNS** is its portability because of its light weight. Still it is rugged to withstand the normal mines handling. It also produces a high pressure for spraying . It is very easy to maintain due to very few screws.



Specifications

Model #	RMT 545 RNS
Total weight	22 kg
Total height	44"
Width & Length	24" x 8"
Air pressure required	90 - 100 CFM at 70 - 80 PSI pressure
Total head capacity	3 - 20 Meter

Features

- Bottom feed - no hopper or suction pipe needed, no air interference.
- Only one valve operation - for complete & perfect control.
- Allen screwed main parts. Slurry section can be opened quickly in case of any blockage.
- All major parts are constructed of stainless steel and rust proof electrically galvanized treated.
- Air functioned pump with all active parts fitted inside only.
- A special grout mixer including 2 nos. of drums of 75 litres capacity with mixing blades, air motor and torque multiplying speed reduction gear box.

Main Application

Mines

- Roof bolting & cable grouting fully grouted bolts & anchors installed by pre-grouting or post injection.
- Long hole grouting from 3-20 metre can be injected with cementitious or other mixer (water base resins etc) in ratio from 1: 0.33 up to 1: 2
- Ventilation control by spraying on to walls and prefabricated meshes.
- Rock sealing pre-grouting weathering or degradation by spraying.
- Injection of grouts-set props with a modification to produce high pressure setting up to 500 psi.

Civil engineering & constructions

- Cavity injection - particularly where ground is sensitive, this pump gives a high degree of operator control.
- Very low water / cement ratio mixes.

Chemical & technical industries

- Pumping any liquid or viscous material especially in hazardous atmosphere.

(Note: Illustration and specification are not binding in detail and are subject to modification and improvement without notice)