

Technical data sheet

MANUAL GROUTING PUMP



CHARACTERISTIC

Manual grouting pump is a simple device for application of one-component injecting resins into the constructions for the purpose of sealing, water-proofing, penetration, impregnation, bonding and consolidation of engineering structures. It's use is suitable in case of a low range jobs or in complicated conditions.

DESCRIPTION

The principle of the manual pump is a cylinder. There is a 1 liter container with a lid screwed on the cylinder. The cylinder is placed on the bottom part of the container. Part of the cylinder is a piston. There is a manual jack fixed on the piston from the side of the container. By oscillatory motion the piston will start moving, it will push the injecting material in the space of the cylinder, which will form the pressure and then the material is injected through the clack valve, compound of the ball with the spring, into the injecting hose of standard length of 0,5 m.

TECHNICAL DETAILS

Delivery capacity		25 MPa	100 ml = approx. 66 pumpings = approx. 1 min	
Drive		0 MPa	manual	
Max. pressure	depends on the material viscosity	max. 50 °C	40 Mpa	
Working pressure	depends on the material viscosity		25 MPa	
Suction pressure			0 MPa	
Temperature of the liquid			max. 50 °C	
Weight of the pump	empty	8 Kg	1,480 Kg	