

MC-I 910

Low-pressure diaphragm pump for the injection of suspensions

Product Properties

- Pneumatically driven pump
- High delivery rate
- Easily adjustable
- Low air demand
- Pressure limitation
- Self-priming
- Compact construction

Areas of Application

- Delivery of suspensions and similar liquids for injection

Application

System Description

The MC-I 910 is an airlessly operating, pneumatically driven injection pump. With an injection pressure of up to 7 bar at an entry-pressure of 8 bar the MC-I 910 fulfils the specifications of a low-pressure injection-pump.

The MC-I 910 is mounted on a frame. It is driven by compressed air, making it suitable for use in explosive areas.

Equipment consists of 7.5 m hose, NW 19, ball-valve 1/4", 2 m intake hose as well as sliding coupling and air coupling.

Due to its handy design the MC-I 910 can be used even in hardly accessible areas on site or on scaffolds.

Operation

Connect the MC-I 910 to an air pipe with sufficient

capacity (air flow 120 l/min, maximum pressure 8 bar). Open the compressed air regulator slowly to the point where the pump starts working. Keep opening the regulator slowly until the desired injection pressure is reached. The injection pressure is the pressure shown on the manometer minus 1 bar.

The injection pressure within the structural part is always lower as it is decreased by the delivery loss. Also take into account pressure loss at the packer valve.

Cleaning

The pump must be cleaned thoroughly with water right after use or at least within the pot life of the injection material. Within one work step partially cured material can be carried out with fresh material. After injection is completed the pump must be cleaned with water. Cured material can only be removed mechanically.



Technical Data for MC-I 910

Characteristic	Unit	Value
Air requirement	l/min	120
Air inlet pressure (max.)	bar	8
Pressure ratio		1 : 1
Injection pressure (max.)	bar	7
Discharge flow (max.)	l/min	approx. 21
Dimensions (length/width/height)	cm	37 / 37 / 37
Weight	kg	12

Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information sheets.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

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