

MC-I 910

Low-pressure diaphragm pump for suspension/slurry injection



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 ADVICE

System description: The MC-I 910 is an airlessly operating, pneumatically driven injection-pump. With a maximum output pressure of 7 bar and an entry-pressure of 8 bar, the MC-I 910 fulfils the specification 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 potentially explosive areas.

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

Due to its handiness, the MC-I 910 can also be used in hardly accessible structural areas or on scaffolds directly at the injection site.

Operation: The MC-I 910 is connected to an air pipe with sufficient capacity (air volume 120 l/min, maximum pressure 8 bar). The compressed air regulator should be turned up slowly until the pump starts to work. The pressure can be slowly increased to the desired injection pressure by further turning. The injection pressure corresponds to the manometer minus 1 bar.

The injection pressure in the structural part is always lower as it is decreased by delivery losses. In addition, pressure losses at the packer valve must be taken into account.

Equipment cleaning: The pump must be carefully flushed with water immediately after use or within the processing time of the injection material. Within a working section, partially reacted injection material can be discharged through fresh material. After completing the injection work, the pump must be cleaned with water. Partially or fully reacted material can only be removed mechanically.

Test cycles and maintenance plan: Information on testing, maintenance and replacement of wearing parts can be found in the user manual.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Weight	kg	12	
Dimensions (L:W:H)	cm	37 / 37 / 37	
Air inlet pressure (maximum)	bar	8	
Air requirement	l/min	120	minimum
Discharge rate (maximum)	l/min	approx. 21	
Injection pressure (maximum)	bar	7	
Pressure ratio		1 : 1	

Storage

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets.

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2100004201]