

# MC-I 520

High pressure piston pump for resin injection



## PRODUCT PROPERTIES

- High pressure pump for injection resins
- Complete with high pressure hoses and storage tank
- Well adjustable
- Self-priming
- Delivery volume measurement via stroke counting
- Compact, mobile, functional

## AREAS OF APPLICATION

- Injection of reaction resins

## APPLICATION ADVICE

**Intended use:** The MC-I 520 is used for the injection of single-component or premixed multi-component resins.

The ready-to-use resin is added to the pump's reservoir and injected within the substance-specific processing time. Information on mixing ratios, processing times, processing conditions and protective measures can be found in the data sheet of the respective injection material and must be observed. The delivery rate of the pump is influenced by hose length, hose diameter, delivery height and the properties of the filler.

**Operation:** Before starting the pump, check the level of the release agent. The operating instructions contain information on this.

The pump is connected to a compressed air hose with sufficient capacity. The pressure reducer must be completely unscrewed at the beginning of the work. It is then screwed in until the pump starts to work. By screwing it in further, the pressure is slowly increased to the desired injection pressure of the pump. The injection pressure is determined from the indicated air inlet pressure and the transmission ratio (factor 33). The injection pressure is reduced by pressure losses of the delivery hose, the packer and the adapters up to the component.

**Equipment cleaning:** The pump must be flushed thoroughly immediately after use or within the processing time of the injection material. Within the processing time, reacted injection resin can be discharged by fresh resin.

The MC-I 520 must be thoroughly cleaned and maintained before longer interruptions to work or after completion of the injection work. For this purpose, use a cleaning agent adapted to the injection material.

After the reaction resin has been discharged with solvent, the solvent is pumped further in the circuit so that residual adhesions are dissolved. After cleaning, fill the pump with oil.

**Inspection cycles and maintenance schedule:** Instructions for inspection, maintenance and replacement of wear parts can be found in the operating instructions of the MC-I 520.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Weight	kg	approx. 20	
Dimensions (L:W:H)	cm	46 / 42 / 76	
Air inlet pressure (maximum)	bar	8	
Air requirement	l/min	230	
Discharge rate (maximum)	l/min	3	
Injection pressure (maximum)	bar	264	
Pressure ratio		1 : 33	
Volume of integrated feed tank	l	1.5	

### Storage

### Safety instructions

The MC-I 520 is a high pressure pump with injection pressures of up to 264 bar. Read the user handbook carefully before starting up the pump. The user handbook must be kept ready to hand at the place of use. In particular, the injection jet must never be directed against living beings. Protective equipment such as protective goggles or visors, protective suits and gloves must be worn by all persons involved.

**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. [2200007956]