



## KÖSTER Acrylic Gel Pump

### Stainless steel pneumatic pump for the application of the KÖSTER Injection Gel G4 and KÖSTER Injection Gel S4

#### Features

Stainless steel pneumatic pump for injecting KÖSTER G4 and S4 acrylic gels.

- Mixing ratio 1 : 1.
- Delivery rate max 11 l / min.
- Working pressure 15 - 220 bar.

Complete set consisting of the stainless steel piston pump with intake system, 2 manometers 0 - 250 bar and integrated rinse pump, 3 component stainless steel mixing head with nonreturn valve, 3 x 10 m HD material hoses for the A and B components and rinsing line, injection whip (30 cm) and KÖSTER Slide Coupling.

#### Technical Data

##### Dimensions

Width:	approx. 48 cm
Height:	approx. 84 cm
Length:	approx. 55 cm
Weight	approx. 45 kg
Working pressure	15 - 220 bar
Min. compressor flow rate	min. 450 l/min
Delivery volume per double stroke	approx. 85 ml
Delivery volume	max. 11 l/min
Mixing ratio	1 : 1
(A and B components)	
Transmission ratio	1 : 25
Max. entry pressure	8 bar

#### Fields of Application

The KÖSTER Acrylic Gel Pump is used for the injection of KÖSTER Injection Gel G4 & S4 in curtain injection, area injection, as well as soil stabilization and filling joints and voids.

#### Application

A compressor of sufficient tank fill capacity is necessary to properly run the KÖSTER Acrylic Gel Pump. These compressors generally use high voltage current, (380 V, 16 A) and are not included in the delivery. Depending on the application; the following tank capacities can be considered acceptable:

- Area injection - 250 l / min
- Curtain injection - 300 l / min
- Filling voids - 375 l / min

An example compressor that would allow all applications without slowing down the work is the Kaeser 450/90. In some cases 220 volt compressors hooked up in series can be used. Trailer compressors can supply several KÖSTER Acrylate Gel Pumps simultaneously. Always use the proper pressure connectors. The maximal pressure that may be supplied to the KÖSTER Acrylate Gel Pump is 10 bar. Use proper fuses. Some fuse types may trip more often during current

peaks.

A detailed description of the KÖSTER Acrylic Gel Pump can be found in the enclosed user's manual. This contains the installation, operating and maintenance instructions. The operating instructions and the safety instructions in the user's manual must be followed exactly.

The KÖSTER Acrylate Pump is only for use for the injection of acrylate gels. Any use of any other injection material is not suggested and negates the warranty.

#### Cleaning

Clean the pump immediately after use exclusively with water.

After use all uptake hoses are put into separate clean water buckets and the pump is rinsed for approximately 30 seconds.

#### Packaging

IN 930 001 piece

#### Storage

In Winter the cylinders must be filled with oil if the pump is exposed to frost even for one night. This keeps residual rinsing water from freezing and damaging the seals.

The protective caps on the uptake hoses should always be used when the pump is not in use. Contaminating the uptake screens with sand must absolutely be avoided.

#### Safety

Working with high pressure requires extra security measures. Do not change the machine's construction or function. Check all connections before use. Wear safety gloves and goggles when using. It is recommended to have an eye rinsing bottle available. Observe all governmental, state, and local safety regulations when processing the material.

#### Related products

KÖSTER PUR Gel	Prod. code IN 285
KÖSTER Injection Gel G4	Prod. code IN 290
KÖSTER Injection Gel S4	Prod. code IN 294
KÖSTER Lamella Impact Packer Adapter	Prod. code IN 908 001
KÖSTER Lamella Impact Packer	Prod. code IN 909 001
KÖSTER Drive in aid for Lamella Packer	Prod. code IN 911 001
KÖSTER Superpacker 10 mm x 85 mm	Prod. code IN 912 001
CH	
KÖSTER Superpacker 10 mm x 115 mm	Prod. code IN 913 001
CH	
KÖSTER Superpacker 13 mm x 85 mm	Prod. code IN 914 001
CH	
KÖSTER Superpacker 13 mm x 115 mm	Prod. code IN 915 001
CH	

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.

KÖSTER Superpacker 13 mm x 85 mm PH	Prod. code IN 916 001
KÖSTER Superpacker 13 mm x 115 mm PH	Prod. code IN 917 001
KÖSTER PUR Gel Pump	Prod. code IN 928 001
KÖSTER Water Hose for KÖSTER PUR Gel Pump	Prod. code IN 928 002
KÖSTER Gel Hose for KÖSTER PUR Gel Pump	Prod. code IN 928 003
KÖSTER Manometer for KÖSTER PUR Gel Pump	Prod. code IN 928 004
KÖSTER Injection Whip for Gel Pumps	Prod. code IN 928 006
KÖSTER Injection Gun	Prod. code IN 929 016
KÖSTER Acrylic Gel Pump	Prod. code IN 930 001
KÖSTER Material Hose	Prod. code IN 930 002
KÖSTER Gel Packer (Base)	Prod. code IN 931 001
KÖSTER Gel Packer (End piece)	Prod. code IN 932 001
KÖSTER Gel Packer extension pipe 800 mm	Prod. code IN 933 001
KÖSTER Drive-in Aid for Gel Packers	Prod. code IN 935 001
KÖSTER Cutting Device for Gel Packers	Prod. code IN 936 001
KÖSTER Grip Head	Prod. code IN 953 005

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