

**GB**

Operating instructions  
Diaphragm pump MP-400

Article No. 200-0102  
Original operating instructions

T-Dok-236-EN-Rev.0-  
web

**Krautzberger** 

## 2 Technical data

### 2.1 Dimensions

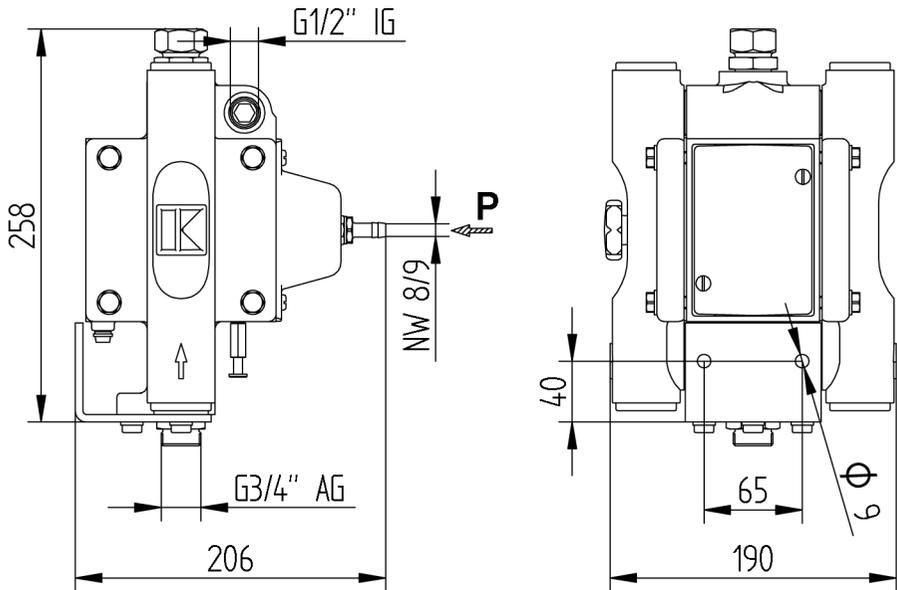


Fig. 1: Dimensions

### 2.2 General specifications

Data	Value	Unit
Pump capacity (with respect to water, free flow)	20	l/min
Material connection (outlet)	Thread 1/2 female thread	Inches
Max. temperature of the coating material used	0 ... +50	°C
Max. pressure	8 (116)	bar (psi)
Max. operating pressure	8 (116)	bar (psi)
Compressed air connection (hose sleeve)	8 or 9	mm
Min. air intake pressure	4 (58)	bar (psi)
Max. air intake pressure	8 (116)	bar (psi)
Material pressure (depends upon the material)	approx. 0.5 up to 8 (7.3 up to 116)	bar (psi)

Data	Value	Unit
Max. stroke (double strokes)	120	DS/min
Recommended number of strokes (double strokes)	100	DS/min
Weight	7.5	kg
Air consumption (at 8 bar)	160	l/min
Noise pressure level (at 8 bar and 100 DS)	78	dB(A)
Transformation ratio	1:1	
Compressed air supply	oil-free, filtered	

## 2.3 Material delivery properties

Material	Suitability
Paint (with solvent)	good
Water-based paint, dispersions, wood preservatives	good
Water	good
Oils, heating oils, diesel fuel	good
Emulsions, soap, detergents	good
Alcohol, glazes, latex	limited
Lime sludge	limited
Cell and fibre materials	unsuitable
Sludge, mash, pastes	unsuitable



*In case of doubt about suitability, inquire about materials not listed. In special cases we will determine the suitability in an experiment.*

## 4.2 Connection example

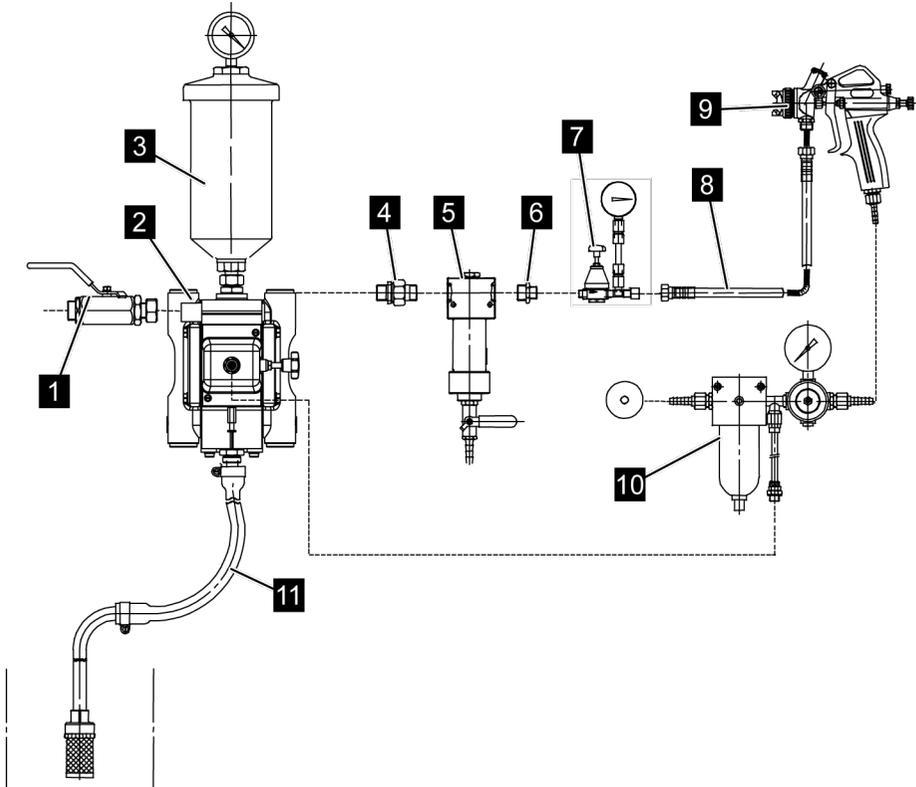


Fig. 5: Connection example

- 1 Ball cock
- 2 MP-400 diaphragm pump
- 3 Surge tank
- 4 Screw connection
- 5 Material filter
- 6 Reduction
- 7 Material controller
- 8 Low pressure material hose tube with fitting
- 9 Spray gun
- 10 Air controller unit with filter
- 11 Intake hose with suction cage