

Material pressure regulators

Pulsation-free metering at optimum pressure

Material pressure regulators reduce the pressure of the material being conveyed down to the necessary working pressure. A material pressure regulator with a diaphragm is available for abrasive or reactive materials. Material pressure regulators of this type are ideally

used for the processing of reactive, moisture-sensitive, abrasive media (ball/seat design made from hard metal), such as epoxy resin, polyurethane and various other materials. The spring chamber is sealed by means of a diaphragm.



Product properties

- Pressure reduction and smoothing of pulsations
- Standard sizes clear span 4, 8 and 12 mm
- Max. input pressure 250/400 bar
- Max. pressure reduction of 1:5
- Different output pressure (depending on version)

Options

- Manometer
- Heating
- Replacement sieve in different mesh sizes
- Mounting bracket

Technical specifications material pressure regulator with diaphragm

Version *	LW4/50 bar	LW4/150 bar	LW8/50 bar	LW8/150 bar	LW12/50 bar	LW12/150 bar
Clear span ø [mm]	4		8		12	
Flow rate at 50,000 mPas [l/min]	<0.5	<1.0	0.5-12.0	1.0-24.0	3.0-24.0	6.0-24.0
Input pressure max. [bar]	12-250	30-250	12-250	30-250	12-250	30-250
Output pressure max. [bar]	4-50	10-150	4-50	10-150	4-50	10-150
Connection input [G]	3/8"				1/2"	
Connection output [G]	4-50	10-150	4-50	10-150	4-50	10-150
Dimensions (AxB) [mm]	55 x 55				65 x 65	
Height max. (C) [mm]	200				210	

* Other versions available on request