

XLINE
PERFECTION | QUALITY | PERFORMANCE

FPR 2 / FPR 6 XLINE Fluid Pressure Regulators



FPR 2



FPR 6

The new Krautzberger FPR 2 and FPR 6 material pressure regulators are designed to deliver precise and accurate regulation of the material flow. In addition to the standard 1:1 ratio, the reduction ratios 1:2 and 1:5 are also available. Our XLINE production and testing procedures enable us to integrate complete functional testing of the new XLINE FPR 2 and FPR 6 fluid pressure regulators into our process.

- Modern & Compact Design
- Long Lasting Components
- Three reduction ratios available
- Stable and accurate at very low
- Easy exchange to change the reduction ratio
- Pressure fluctuations compensated in a highly dynamic manner when switching diaphragm pumps
- All material-carrying parts made of stainless steel (except diaphragm)
- Ball seat optionally available in Tungsten Carbide

- Easy cleaning process when changing material
- Optional quick-flush control function available for cleaning process
- Easy exchange of the valve cartridge
- Fine adjustment for precise material quantity

Technical information

Dimensions:

FPR 2:
Width with fastening 54.5 mm,
Height 81 mm, Ø49 mm

FPR 6:
Width with fastening 124.5 mm,
Height 108 mm, Ø83 mm

Connections:

FPR 2:
Material connections: 1/4" male
optional 3/8" male

FPR 6:
Material connections: 3/8" male
optional 1/4" male

Weight:

FPR 2: approx. 370 g

FPR 6: approx. 1,480 g

Maximum flow rate:

(tested in a 1:1 ratio with water and an 8/6 material hose)

FPR 2: 3,8 l/min

FPR 6: 11,1 l/min

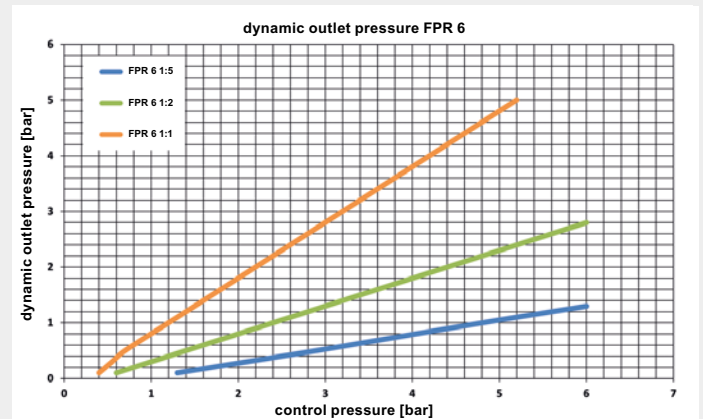
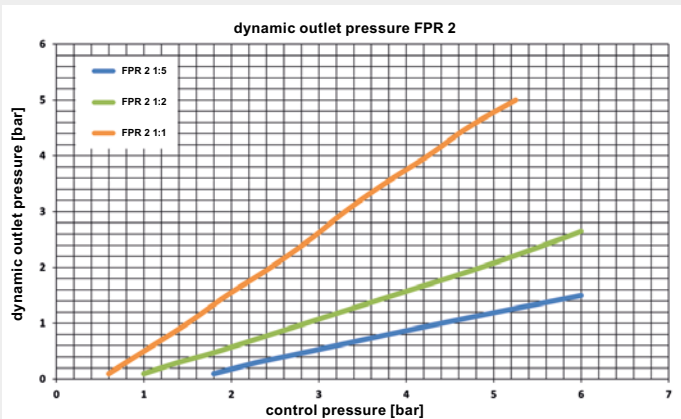
As of a control pressure of 0.4 to 0.5 bar, the material pressure can be set, controlled and regulated from 0.1 bar, depending on the reduction ratio installed.

The fluid pressure regulator can optionally be fitted with a quick-flush feature. This feature reroutes control air straight onto the material diaphragm through a quick-flush connection. This opens the valve without affecting the control air setting.



FPR 2 and FPR 6

- For a dynamic outlet pressure of 0.1 – 1.2 bar, we recommend the ratio 1:5
- For a dynamic outlet pressure of 1.0 – 2.2 bar, we recommend the ratio 1:2
- For a dynamic outlet pressure of 2.0 – 5.0 bar, we recommend the ratio 1:1



Test conditions FPR 2 and FPR 6: Material nozzle size 0.5 mm, spray gun A 16, material inlet pressure 5 bar, regulator directly on A 16, material hose PK-8/6, Air hose PK-6/4, device open time 20 s, medium: water



The valve cartridge can be quickly and efficiently removed from the XLINE FPR fluid pressure regulator and be replaced. The valve cartridge contains the ball, the ball seat and the spring.