



RPL-B17

Back Pressure Regulator

RPL-B17 is a high-performance spring type BP- regulator with a unique flexible volume to control an adjustable set pressure in the system upstream the regulator.

Features

- Patented, unique pressure sensing technology using a flexible volume
- Several pressure-ranges available
- Excellent repeatability of set pressure
- Low maintenance and life-cycle cost
- Zero pressure setup for safe drainage available
- Assessed for compliance with ATEX Directive 2014/34/EU, Marking: II 2 G Ex h IIC T6 Gb

Applications

- Pump discharge pressure control
- Precise opening and closing to control pressure set point

Specifications

Model designation	Operation	Material housing	Pressure rating housing	Max Set Pressure [bar]	Max Flow [l/h]	Gaskets	Connectors
RPL-B17	M = Manual A = Actuator	D = Duplex T = Titan S = 316L	J = 345 bar K = 690 bar *	P20 P50 P80 P300	F200 F800	N = NBR F = FKM/Viton® FFKM	N2 = 3/8 NPT S = others on request

Dimension and weight

Model	Ø x L(mm)	Weight
RPL-B17	Ø80 x 278	8,1 kg

Description

The RPL-B17 back pressure regulator incorporates OBS Technology's patented pressure sensing element enabling pressure stability. Due to the same mechanism, the sealing efficiency of the valve increases with increasing pressure until set pressure is reached.

Compression springs and valve geometry are selected for the required pressure range and flow capacity.

The RPL-B17 regulator is suitable for all common water and oil based hydraulic fluids and the internal materials are compatible with most oilfield injection chemicals.

As an option RPL-B-series can be delivered with actuator for remote operation.