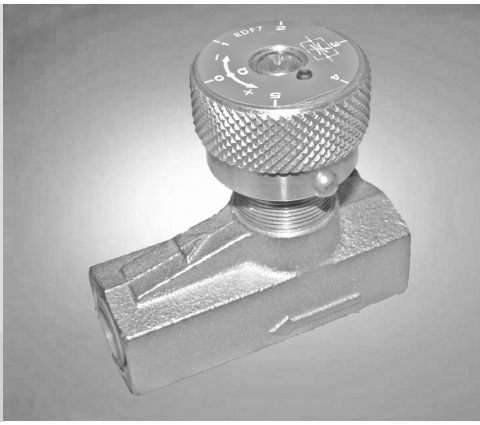
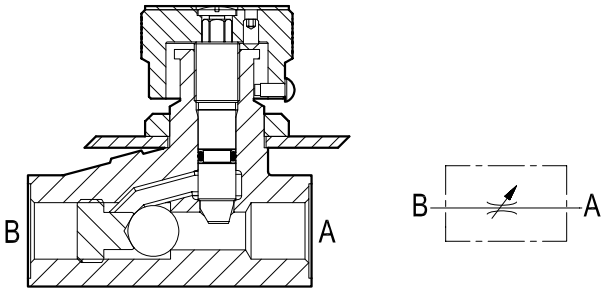
Flow control valves

Adjustable bidirectional flow restrictors



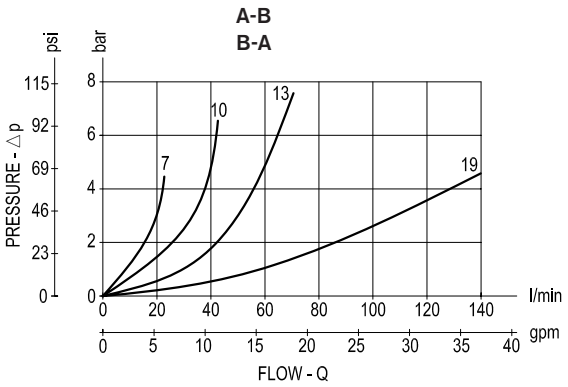
RDF Series



Description

This valve provides a fully adjustable orifice restriction. Even though the Performance curves shown in the tables refer to the A-B flow direction, the valve is actually bi-directional and the performance curves can be assumed almost accurate also for the reverse flow direction B-A.
Pressure compensation is not provided and flow depends from pressure drop and oil viscosity.
This RDF flow restrictor can be line mounted or panel mounted and the hand-knob can be locked after adjustment.

Performance



Throttle fully open

Technical data

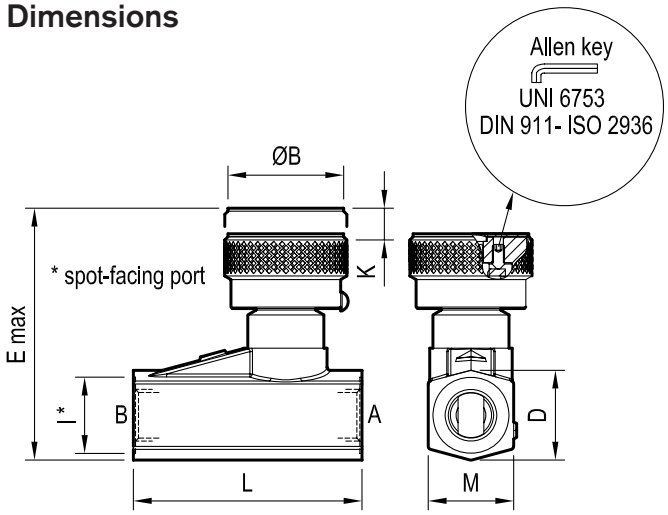
Code	Pressure **P** max bar (psi)	Flow **Q** max l/min (gpm)	Weight kg (lbs)
RDF 7	350 (5000)	25 (7)	0.28 (0.62)
RDF 10	350 (500)	45 (12)	0.48 (1.06)
RDF 13	350 (5000)	70 (19)	0.85 (1.87)
RDF 19	350 (5000)	140 (37)	1.58 (3.48)

Cast iron, zinc plated with aluminium hand knob

Advantages

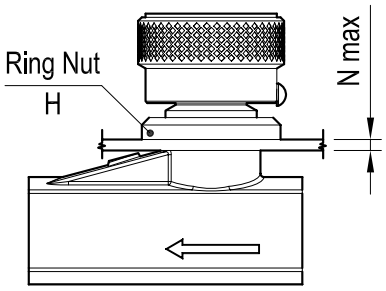
-Compact design.
-Panel mounting.
-Four sizes provide great adaptability to the system.
-Fine adjustment.
-Mounting position is unrestricted.

Dimensions



Ports size / Dimensions

Code	Ports size A-B	l* mm (inches)	L mm (inches)	Ø B mm (inches)	E max mm (inches)	D mm (inches)	M mm (inches)
RDF 7	G 1/4	21 (0.83)	64 (2.52)	33 (1.30)	63.5 (2.5)	24 (0.95)	24 (0.95)
RDF 10	G 3/8	25 (0.98)	75 (2.95)	40 (1.58)	73 (2.87)	30 (1.18)	28 (1.10)
RDF 13	G 1/2	29 (1.14)	92 (3.62)	45 (1.77)	93 (3.66)	36 (1.42)	35 (1.38)
RDF 19	G 3/4	36.5 (1.44)	115 (3.62)	53 (2.09)	120 (4.72)	43 (1.69)	43 (1.69)



Code	N max mm (inches)	H
RDF 7	5.5 (0.22)	M20 x 1
RDF 10	5.5 (0.22)	M25 x 1.5
RDF 13	7.5 (0.30)	M30 x 1.5
RDF 19	7.5 (0.30)	M35 x 1.5

Applications

The RDF Series valve is a fully and easily adjustable non-compensated flow control which can be employed many applications where a non-compensated bidirectional flow control is desired.

Ordering code

RDF	

series 7	= **7**
series 10	= **10**
series 13	= **13**
series 19	= **19**

Adj. travel (only bar value see below)

	RDF 7	RDF 10	RDF 13	RDF 19
K mm (inch)	7 (0.28)	8 (0.31)	11 (0.43)	14 (0.55)

Type	Material number
RDF7	R932500532
RDF10	R932500533
RDF13	R932500534
RDF19	R932500535

Type	Material number

Type	Material number