

RE 18316-04/10.09

1/2

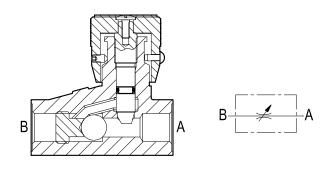
Flow control valves

Adjustable bidirectional flow restrictors



RD

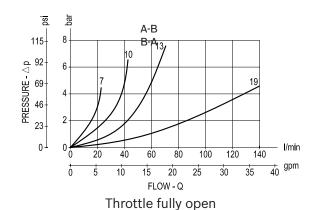
Series



Description

This line mounted 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.

Performance



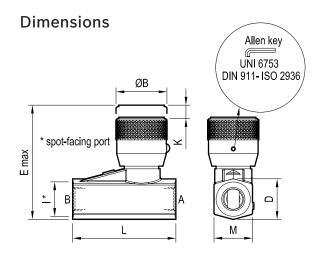
Advantages

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

Technical data

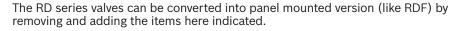
Code	Pressure P max bar (psi)	Flow Q max I/min (gpm)	Weight kg (lbs)
RD 7	350 (5000)	25 (7)	0.28 (0.62)
RD 10	350 (5000)	45 (12)	0.48 (1.06)
RD 13	350 (5000)	70 (19)	0.85 (1.87)
RD 19	350 (5000)	140 (37)	1.58 (3.48)

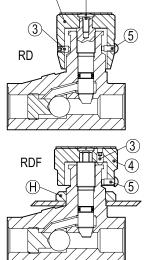
Cast iron, zinc plated with aluminium hand knob



Post size / Dimensions

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



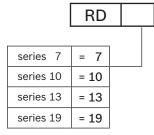


	Remove from RD valve			Add For panel mounting				
code	Screw (3)	Rivet (5)	Screw (2)	Hand Knob (1)	Ring Nut (H)	Hand Knob (4)	Screw (3)	Rivet (5)
RD 7 RDF 7	M3 x 6 UNI 5927.67 code: 0771432.01	4M x 6.5 code: 0771352.01	M4 x 10 code: 0771432.04	077.1431.01	20 x 1 code: 0811131.16	081.1431.05	M3 x 6 UNI 5927.67 code: 0771432.01	4M x 6.5 code: 0771352.01
RD 10 RDF 10	M4 x 8 UNI 5927.67 code: 0781432.02	6M x 8 code: 0781352.02	M4 x 10 code: 0771432.04	078.1431.02	25 x 1.5 code: 0821131.17	082.1431.06	M4 x 8 UNI 5927.67 code: 0781432.02	6M x 8 code: 0781352.02
RD 13 RDF 13	M4 x 8 UNI 5927.67 code: 0781432.02	6M x 8 code: 0781352.02	M5 x 12 0791432.05	079.1431.03	30 x 1.5 code: 0831131.18	083.1431.07	M4 x 8 UNI 5927.67 code: 0781432.02	6M x 8 code: 0781352.02
RD 19 RDF 19	M5 x 10 UNI 5927.67 code: 0801432.03	10M x 9.5 code: 0801352.03	M5 x 12 + rivet Ø 5 (0.20) UNI 6593-69 code: 0791432.05	080.1431.04	35 x 1.5 code: 0841131.19	084.1431.08	M5 x 10 UNI 5927.67 code: 0801432.03	10M x 9.5 code: 0801352.03

Applications

flow control is desired.

Ordering code



Adj. travel (only bar value see below)

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

Туре	Material number
RD7	R932500528
RD10	R932500529
RD13	R932500530
RD19	R932500531

Type	Material number
•	

lype	Material number

The RD Series valve is a fully and easily

where a non-compensated bidirectional

adjustable non-compensated flow control which can be employed many applications

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