RE 18316-06/10.09

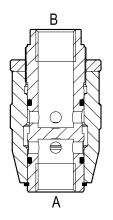
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Flow control valves

# Adjustable barrel type bidirectional restrictors



**SD Series** 



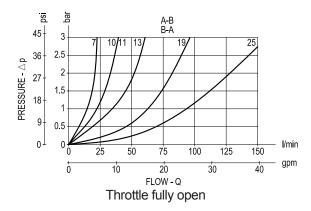


# **Description**

This line mounted valve provides a fully adjustable restriction. Pressure compensation is not provided and flow depends from pressure drop and oil viscosity. Once the flow is adjusted, lock the knurled ring nut (H) in order to maintain the desired opening.

Minor leakage in both directions can be expected with valve fully closed.

### **Performance**



# **Advantages**

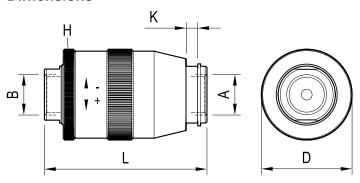
- -Compact design and inline mounting for space saving.
- -Seven sizes provide great adaptability to the system.
- -Easiness of adjustment.
- -Mounting position is unrestricted.

## **Technical data**

Code	Pressure P max bar (psi)	Flow <b>Q</b> max I/min (gpm)	Weight kg (lbs)
SD 7	350 (5000)	12 (3)	0.29 (0.64)
SD 10	350 (5000)	30 (8)	0.39 (0.86)
SD 11	350 (5000)	30 (8)	0.40 (0.88)
SD 13	350 (5000)	45 (12)	0.69 (1.52)
SD 19	250 (3600)	80 (21)	1.08 (2.38)
SD 25	250 (3600)	140 (37)	3.0 (6.6)
SD 32	250 (3600)	250 (66)	2.9 (6.4)

Steel body, zinc plated

#### **Dimensions**



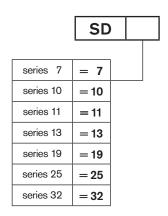
### Ports size / Dimensions

		1		
Code	Ports size A-B	Ø D mm (inches)	L mm (inches)	K mm (inches)
SD 7	G 1/4	35 (1.38)	62 (2.44)	5 (0.20)
SD 10	G 3/8	38 (1.50)	72 (2.84)	7 (0.28)
SD 11	M18x1.5	38 (1.50)	72 (2.84)	7 (0.28)
SD 13	G 1/2	48 (1.89)	86 (3.39)	8 (0.32)
SD 19	G 3/4	55 (2.17)	100 (3.94)	11 (0.43)
SD 25	G 1	79 (3.11)	126 (4.96)	12 (0.47)
SD 32	G 1-1/4	79 (3.11)	143 (5.63)	12 (0.47)

# **Applications**

The SD Series valve is a fully and easily adjustable non-compensated flow control which can be employed for meter-in (Port A connected to the actuator inlet) or meter-out (Port B connected to the actuator outlet in order to control the oil flow from the actuator). The cost effectiveness and the easiness of adjustment make it suitable for many circuits and many applications where a non-compensated flow control is desired.

## Ordering code



Туре	Material number
SD 7	R932500579
SD 10	R932500580
SD 11	R932006966
SD 13	R932500581
SD 19	R932500582
SD 25	R932500583
SD 32	R932500584

Type	Material Hurriber

.,,,,	material name		
	-		

Material number

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Type

The data specified above only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging.

Subject to change.