

RE 18316-01/10.22

Replaces: 10.09

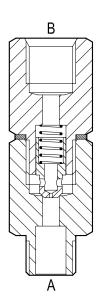
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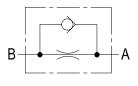
Flow control valves

Fixed orifice restrictor with reverse flow check

VF-MF 04.46.03.00-Y-Z







Description

The "B-A" flow is restricted by a calibrated orifice, while flow "A-B" is always allowed through the incorporated check valve. Pressure compensation is not provided and flow depends from pressure drop and oil viscosity.

drop and oil viscosity.

The valve is assembled with two hexagonal threaded sleeves and an internal check poppet. The drawing shows the valve with Male port A and Female port B: the two sleeves can be assembled in the reversed order and the result will be Female A port and Male B port.

Technical data

Port	Pressure P max bar (psi)	Flow Q max l/min (gpm)	Weight kg (lbs)	
G	350	10 (3)	0.10	
1/4	(5000)		(0.22)	

Steel body, zinc plated.

Installation torque: 33 - 37 Nm (24 - 27 ft-lb)

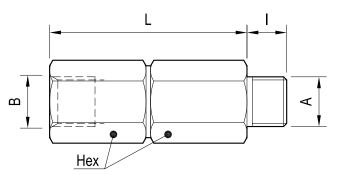
Advantages

-Very compact design and inline mounting for space saving.

-Mounting position is unrestricted.

MTTFD: 150 years see RE18350-51

Dimensions



The valve is only available with G $\frac{1}{4}$ ports, with different size restriction orifices, as indicated by the table of orifices.

Ports size / Dimensions

Υ	Ports A-B	L mm (inches)	l mm (inches)	Hex mm (inches)	
09	G 1/4	52 (2.05)	10.5 (0.41)	19 (0.75)	

Calibrated orifices											
Z	09	06	00	07	10	12	11	03	08	05	01
Calibrated orifice Ø mm (inches)	0.3* (0.012*)	0.4 (0.016)	0.5 (0.020)	0.6 (0.024)	0.7 (0.028)	0.8 (0.032)	0.9 (0.035)	1.0 (0.039)	1.3 (0.051)	1.5 (0.059)	1.75 (0.069)

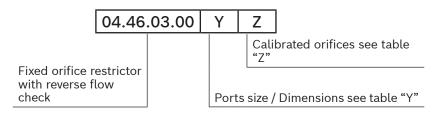
^{*} Hole Ø 0.5 mm (0.020 inch.) with Ø 0.4 mm (0.016 inch.) wire.

Applications

In a variety of cases when a one-way restrictor is needed, especially for cushioning a control circuit (like servo-controls), or delaying brake engagement, etc.

- -Control of delay for brake disengagement.
- -Dampening of pressure peaks in joystick controlled lines.
- -Simple and cost-effective solution for a one-way flow control.

Ordering code



Material number	Туре	Material number
R930000645	044603000912000	R930000655
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Type

Material number

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.

Bosch Rexroth Oil Control S.p.A. Fimma Division (Rge 2) Via G. Bovio, 7 Z.I. Mancasale 42124 Reggio Emilia, Italy Tel. +39 0522 517 277 Fax +39 0522 517 125

Fax +39 0522 517 125 cartridges@oilcontrol.com www.boschrexroth.com