

# Flow regulator 2 way, pressure compensated

A-VRFC2

0M.B2.03 - X - Y

**RE 18309-35**

Edition: 03.2016

Replaces: 04.2010



### Technical data

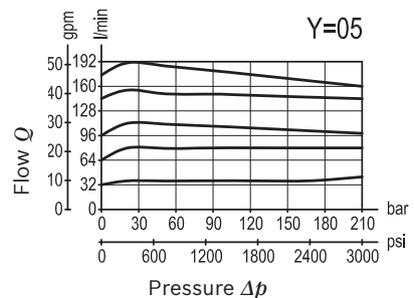
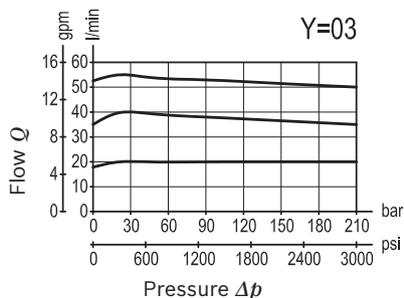
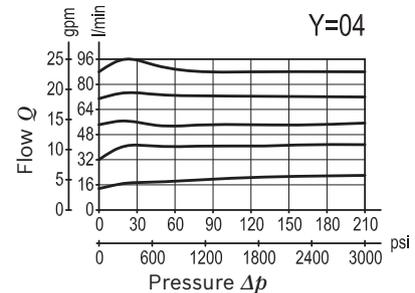
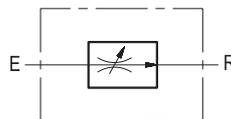
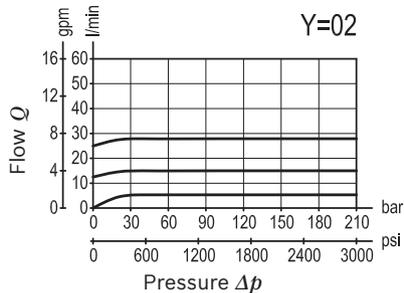
Max. operating pressure	350 bar (5000 psi)
Q= max. inlet flow "E" port (see "Dimensions")	
Flow range adjustment	0 - 3 turns
Weight	see "Dimensions"
Manifold material	Zinc plated steel
Fluid	Mineral oil (HL, HLP) according DIN 51524
Fluid temperature range	-30 °C to 100 (-22 to 212 °F)
Viscosity range	5 to 800 mm <sup>2</sup> /s (cSt)
Recommended degree of fluid contamination	Class 19/17/14 according to ISO 4406
Other technical data	see data sheet 18350-50

Note: for applications outside these parameters, please consult us.

### Description

A constant flow rate, regardless of system pressures, is established from E to R, while a minimum pressure differential of approximately 5 bar (70 psi) exists between the two ports. Output flow can be varied from zero (closed) to the nominal maximum rating. Reverse flow from R to E is limited by the selected opening of the restrictor and is not pressure compensated.

### Characteristic curve



**Ordering code**

<b>0M.B2.03</b>	<b>X</b>	<b>Y</b>
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Flow regulator,  
2 way, pressure compensated

Adjustments

<b>70</b>	Handknob and locknut	
<b>80</b>	Screw and locknut	
<b>40</b>	Graduated handknob	

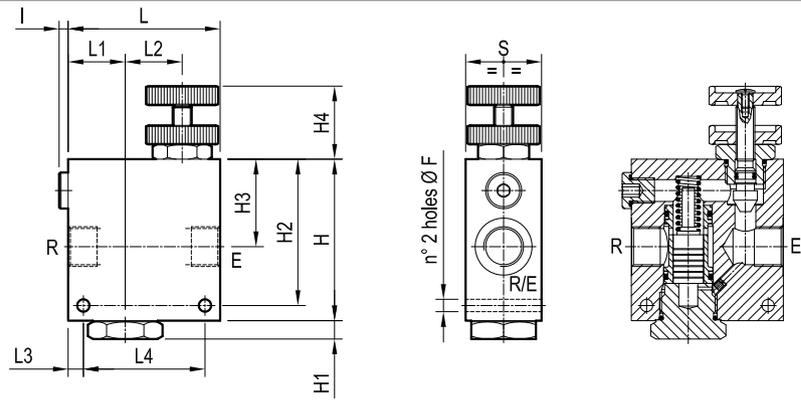
Port sizes	E - R
<b>02</b>	G 3/8
<b>03</b>	G 1/2
<b>04</b>	G 3/4
<b>05</b>	G 1

**Preferred types**

Type	Material number
OMB203700200000	R930004469
OMB203700300000	R930004470
OMB203700400000	R930004471
OMB203700500000	R930004472
OMB203800200000	R930000225
OMB203800300000	R930000234

Type	Material number
OMB203800400000	R930000241
OMB203800500000	R930000250
OMB203400200000	R930000228
OMB203400300000	R930000229
OMB203400400000	R930000238
OMB203400500000	R930000254

**Dimensions**



50 (1.97)	82 (3.23)	8 (0.32)	38 (1.5)	40 (1.58)	108 (4.25)	5 (0.2)	40 (1.58)	62 (2.44)	98 (3.86)	10 (0.39)	100 (3.94)	8.5 (0.34)	190 l/min 50 gpm	G 1	4.3 (9.5)
50 (1.97)	82 (3.23)	8 (0.32)	40 (1.58)	35 (1.38)	100 (3.94)	5 (0.2)	40 (1.58)	56 (2.21)	90 (3.54)	10 (0.39)	100 (3.94)	8.5 (0.34)	90 l/min 24 gpm	G 3/4	3.5 (7.7)
40 (1.58)	64 (2.52)	8 (0.32)	30 (1.18)	30 (1.18)	80 (3.15)	5 (0.2)	40 (1.58)	46 (1.81)	77 (3.03)	10 (0.39)	85 (3.35)	6.5 (0.26)	55 l/min 15 gpm	G 1/2	1.9 (4.19)
40 (1.58)	64 (2.52)	8 (0.32)	30 (1.18)	30 (1.18)	80 (3.15)	5 (0.2)	40 (1.58)	46 (1.81)	77 (3.03)	10 (0.39)	85 (3.35)	6.5 (0.26)	30 l/min 8 gpm	G 3/8	1.9 (4.19)
S	L4	L3	L2	L1	L	I	H4	H3	H2	H1	H	F	Q	Y	Weight kg (lbs)

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