

Flow regulator 2 way, pressure compensated

A-VRFC2

0M.B2.03 - X - Y

RE 18309-35

Edition: 03.2016

Replaces: 04.2010



Technical data

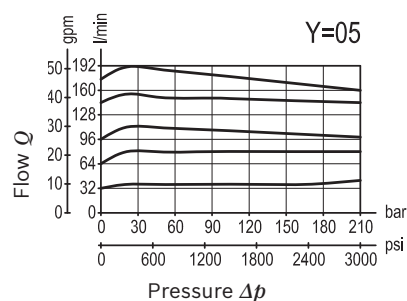
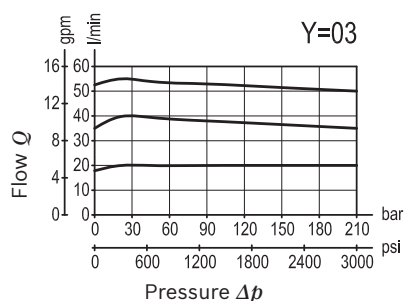
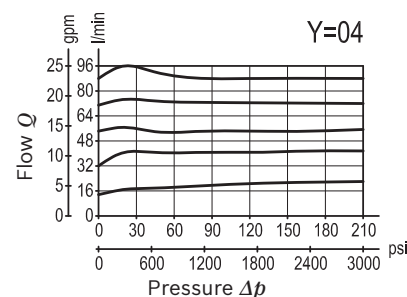
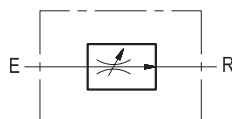
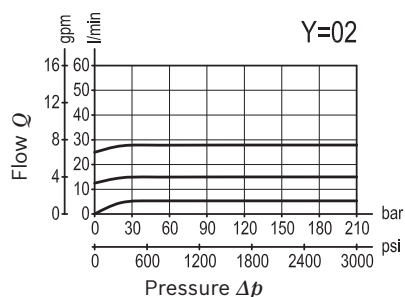
Max. operating pressure	350 bar (5000 psi)
Q= max. inlet flow "E" port (see "Dimensions")	
Flow range adjustment	0 - 3 turns
Weight	see "Dimensions"
Manifold material	Zinc plated steel
Fluid	Mineral oil (HL, HLP) according DIN 51524
Fluid temperature range	-30 °C to 100 (-22 to 212 °F)
Viscosity range	5 to 800 mm ² /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

0M.B2.03	X	Y
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Flow regulator,
2 way, pressure compensated

Adjustments

70	Handknob and locknut	
80	Screw and locknut	
40	Graduated handknob	

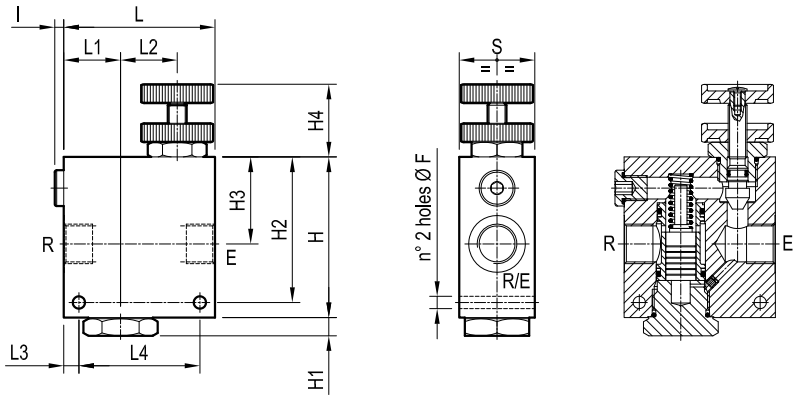
Port sizes	E - R
02	G 3/8
03	G 1/2
04	G 3/4
05	G 1

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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