

Flow regulator 3 way, pressure compensated

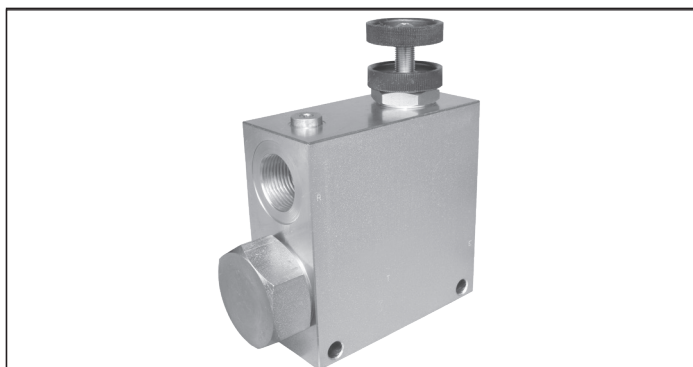
A-VRFC3

0M.C2.03 - X - Y

RE 18309-41

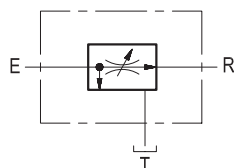
Edition: 03.2016

Replaces: 04.2010



Description

A constant flow rate, regardless of system pressures, is established from E to R, while a minimum pressure differential of appr. 5 bar (70 psi) exists between the two ports. Input flow supplied to E in excess of the regulated output at R is by-passed to T. Output flow can be varied from closed to the nominal maximum rating for the valve. Reverse flow from R to E is limited by the selected opening of the restrictor and is not pressure compensated. Flow from T to E or from T to R is not possible. Increasing or decreasing inlet flow may cause slight increase or decrease of Regulated flow.

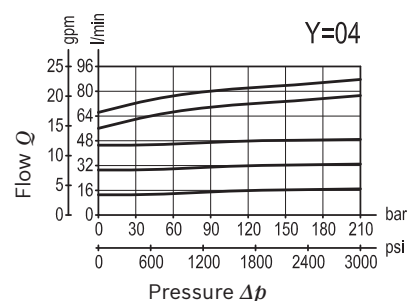
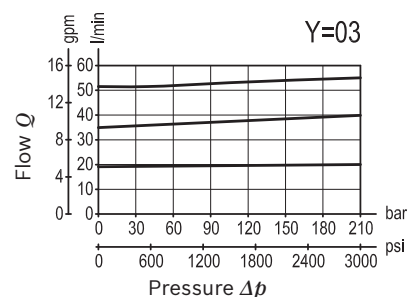


Technical data

Max operating pressure	350 bar (5000 psi)
QE= max. inlet flow "E" port (see "Dimensions")	
QR= max. regulated flow "R" 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.

Characteristic curve



Ordering code

0M.C2.03	X	Y
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Adjustments

70	Handknob and locknut	
80	Screw and locknut	
40	Graduated handknob	

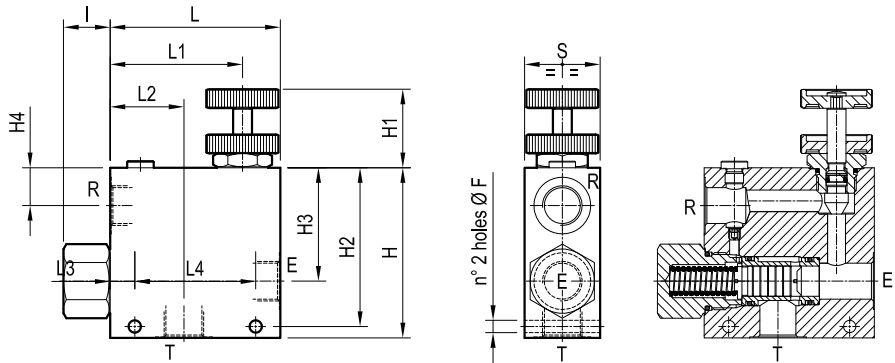
Port sizes	E - R - T
03	G 1/2
04	G 3/4

Preferred types

Type	Material number
OMC20370030000A	R930004477
OMC203700400000	R930004478
OMC20380030000A	R930004480

Type	Material number
OMC203800400000	R930006088
OMC20340030000A	R930004474
OMC203400400000	R930004475

Dimensions



50 (1.97)	38 (.88)	10 (.44)	49 (1.33)	39 (1.17)	71 (2.11)	108 (4.25)	21 (.83)	23 (.91)	73 (2.87)	101 (3.98)	40 (1.58)	108 (4.25)	8.5 (.34)	90 l/min 24 gpm	150 l/min 40 gpm	G 3/4	4.3 (9.5)
40 (1.58)	64 (2.52)	13 (.51)	39 (1.54)	70 (2.76)	90 (3.54)	21 (.83)	17.5 (.69)	60 (2.36)	84 (3.31)	90 (3.54)	6.5 (.26)	55 l/min 15 gpm	90 l/min 24 gpm	G 1/2	2.1 (4.6)		
S	L4	L3	L2	L1	L	I	H4	H3	H2	H1	H	F	QR	QE	Y		Weight kg (lbs)

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