

Flow regulator 3 way, pressure compensated

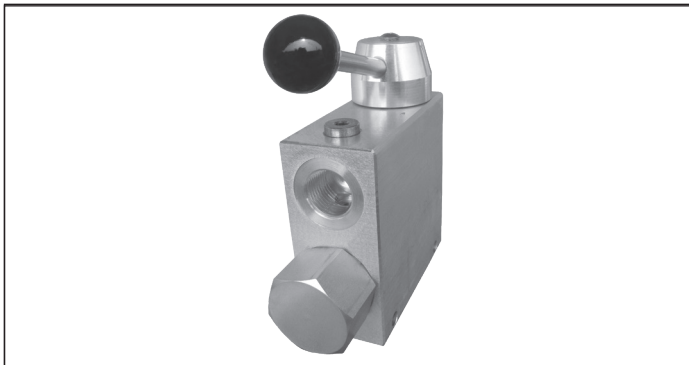
VRFC3-L

0M.32.03.50 - Y

RE 18309-40

Edition: 02.2017

Replaces: 03.2016



Technical data

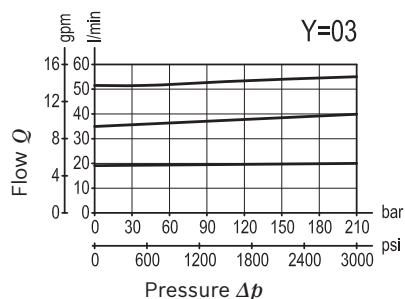
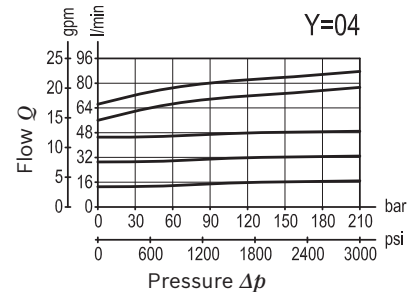
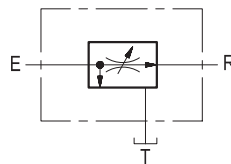
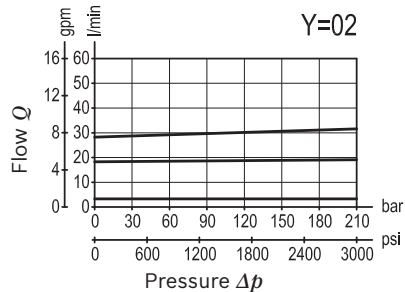
Operating pressure	up to 210 bar (3000 psi)
QE= max. inlet flow "E" port (see "Dimensions")	
QR= max. regulated flow "R" port (see "Dimensions")	
Weight	see "Dimensions"
Manifold material	Aluminium
Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network.	
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 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.

Characteristic curve



Ordering code

0M.32.03	50	Y
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Flow regulator
3 way, pressure compensated

Adjustments
Lever with built in friction clutch

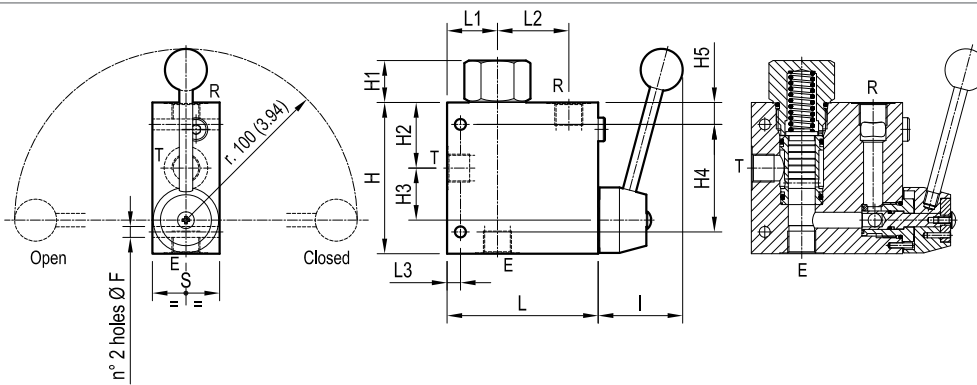
Port sizes	E - R
02	G 3/8
03	G 1/2
04	G 3/4

Preferred types

Type	Material number
0M3203500200000	R930004228
0M320350030000A	R930004229
0M3203500400000	R930004230

Type	Material number

Dimensions



50	7	50	35	108	50	10	88	35	44	25	108	8.5	90 l/min	150 l/min	G 3/4	2.1
(1.97)	(0.28)	(1.97)	(1.38)	(4.25)	(1.97)	(0.39)	(3.47)	(1.38)	(1.73)	(0.98)	(4.25)	(0.34)	24 gpm	40 gpm		(4.6)
40	8	42.5	30	90	50	13	64	31	39	25	90	6.5	55 l/min	90 l/min	G 1/2	1.13
(1.58)	(0.32)	(1.67)	(1.18)	(3.54)	(1.97)	(0.51)	(2.52)	(1.22)	(1.54)	(0.98)	(3.54)	(0.26)	15 gpm	24 gpm		(2.49)
40	8	42.5	30	90	50	13	64	31	39	25	90	6.5	30 l/min	55 l/min	G 3/8	1.13
(1.58)	(0.32)	(1.67)	(1.18)	(3.54)	(1.97)	(0.51)	(2.52)	(1.22)	(1.54)	(0.98)	(3.54)	(0.26)	8 gpm	15 gpm		(2.49)
S	L3	L2	L1	L	I	H5	H4	H3	H2	H1	H	F	QR	QE	Y	Weight
																Kg (lbs)

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