

Flow regulator 3 way, pressure compensated

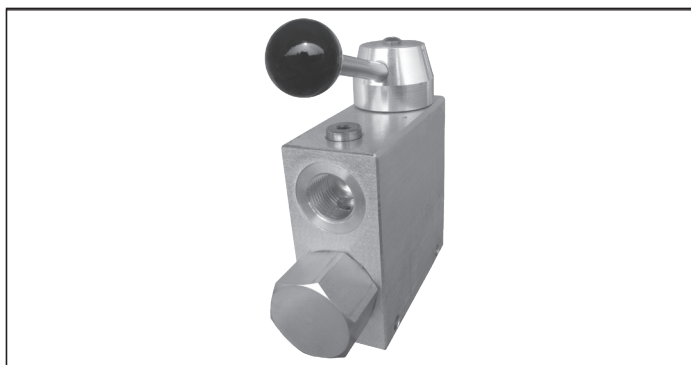
VRFC3-L

0M.32.03.50 - Y

RE 18309-40

Edition: 02.2017

Replaces: 03.2016



Technical data

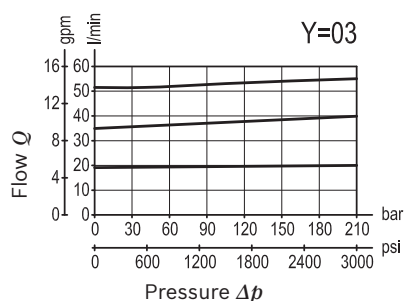
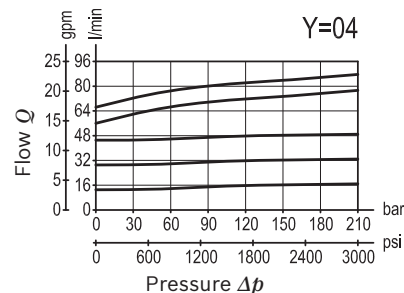
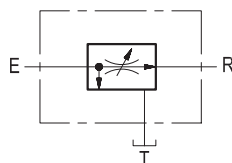
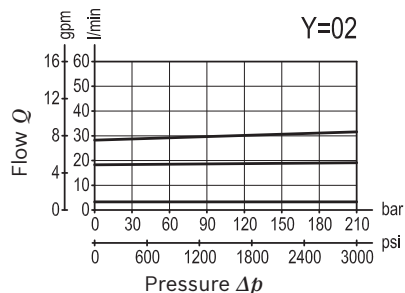
Operating pressure	up to 210 bar (3000 psi)
QE= max. inlet flow "E" port (see "Dimensions")	
QR= max. regulated flow "R" port (see "Dimensions")	
Weight	see "Dimensions"
Manifold material	Aluminium
Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending 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



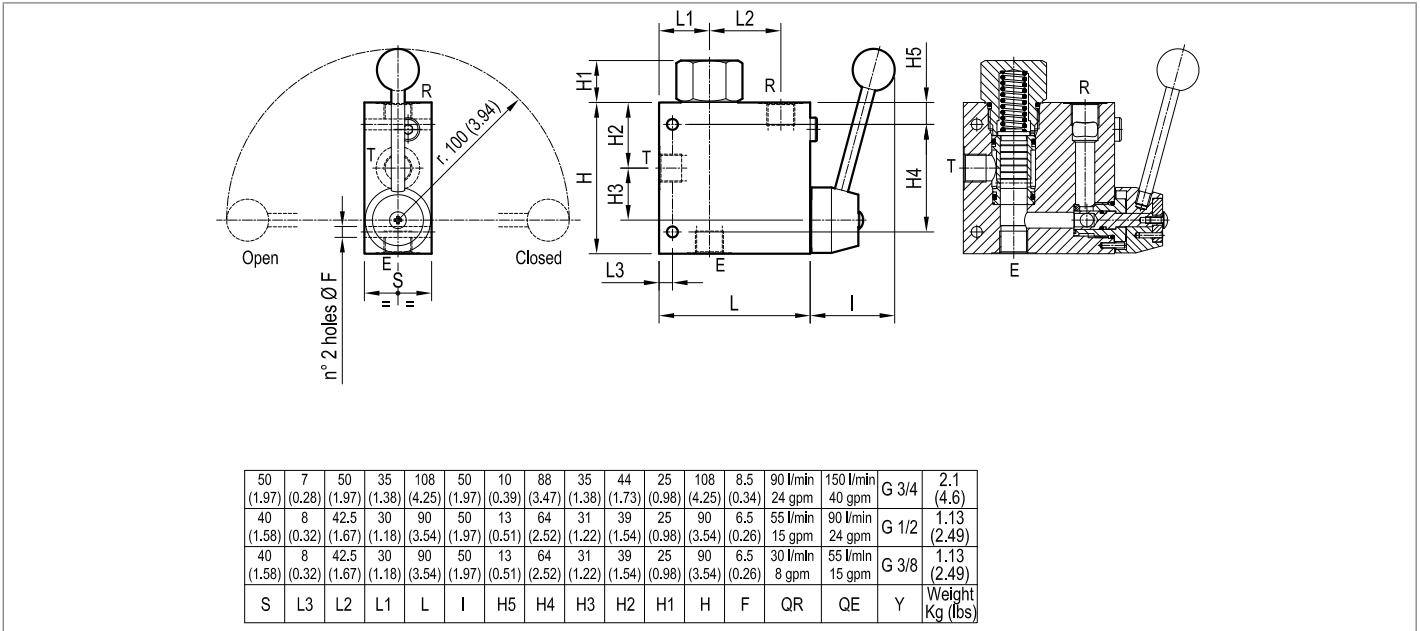
Ordering code

<div> <div>0M.32.03</div> <div>50</div> <div>Y</div> </div>			
<div> <div>Flow regulator</div> <div>3 way, pressure compensated</div> </div>			
<div> <div>Adjustments</div> <div>Lever with built in friction clutch</div> </div>		<div>Port sizes</div>	<div>E - R</div>
		<div>02</div>	<div>G 3/8</div>
		<div>03</div>	<div>G 1/2</div>
		<div>04</div>	<div>G 3/4</div>

Preferred types

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

Dimensions



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