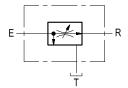
RE 18309-38/04.10 Replaces: RE 00171/02.07

1/2

Flow regulator, 3-way, pressure compensated



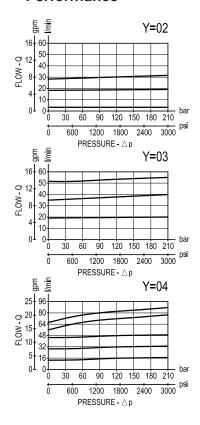
VRFC3 0M.32.03 - X - Y



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.

Performance



Technical data

Hydraulic

Operating pressure	bar (psi)	up to 210 (3000)			
QE = max inlet flow "E" port (see "Dimensions")					
QR = max regulated flow "R" port (see "Dimensions")					
Flow range adjustment : 0 - 3 turns					

General

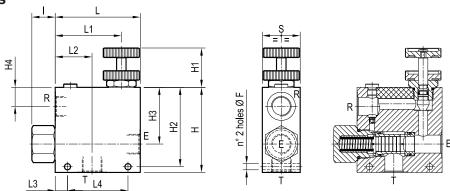
Other technical data

Manifold material		Aluminium				
	enough for operating pressures g from the fatigue life expected in the ur Service Network.					
Weight		see "Dimensions"				
Fluid temperature range	°C (°F)	between -30 (-22) and +100 (212)				

see data sheet RE 18350-50

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

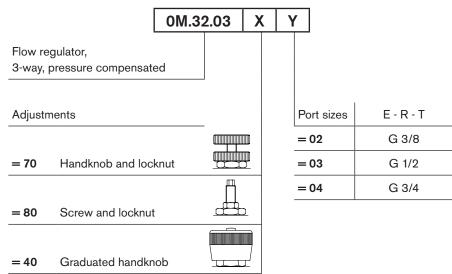
Dimensions



50	88	10	44	79	108	25	23	73	101	40	108	8.5	90 I/min	150 I/min	G 3/4	1.95
(1.97)	(3.47)	(0.39)	(1.73)	(3.11)	(4.25)	(0.98)	(0.91)	(2.87)	(3.98)	(1.58)	(4.25)	(0.34)	24 gpm	40 gpm	G 3/4	(4.3)
40	64	13	39	70	90	25	17.5	60	84	40	90	6.5	55 I/min	90 I/min	G 1/2	1.06
(1.58)	(2.52)	(0.51)	(1.54)	(2.76)	(3.54)	(0.98)	(0.69)	(2.36)	(3.31)	(1.58)	(3.54)	(0.26)	15 gpm	24 gpm	G 1/2	(2.34)
40	64	13	39	70	90	25	17.5	60	84	40	90	6.5	30 I/min	55 I/min	G 3/8	1.06
(1.58)	(2.52)	(0.51)	(1.54)	(2.76)	(3.54)	(0.98)	(0.69)	(2.36)	(3.31)	(1.58)	(3.54)	(0.26)	8 gpm	15 gpm	0 5/0	(2.34)
S	14	L3	L2	1.1	1		H4	НЗ	H2	H1	н	_	QR	QE	>	Weight
	L4	LJ			L	ı	114	113	112	111	17	F	QΛ	QΕ	ı	kg (lbs)

mm (inches)

Ordering code



Туре	Material number
0M3203700200000	R930004231
0M320370030000A	R930004232
0M3203700400000	R930004233
0M3203800200000	R930004241
0M320380030000A	R930004242
0M3203800400000	R930004244

Туре	Material number
0M3203400200000	R930004220
0M320340030000A	R930004221
0M3203400400000	R930004224

Bosch Rexroth Oil Control S.p.A. Via Leonardo da Vinci 5 P.O. Box no. 5

4404E Name at

41015 Nonantola – Modena, Italy

Tel. +39 059 887 611 Fax +39 059 547 848

motion-control-valves@oilcontrol.com

www.boschrexroth.com

© This document, as well as the data, specifications and other information set forth in it, are the exclusive property of Bosch Rexroth Oil Control S.p.a.. It may not be reproduced or given to third parties without its consent.

The data specified above only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging. Subject to change.