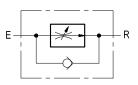
Service

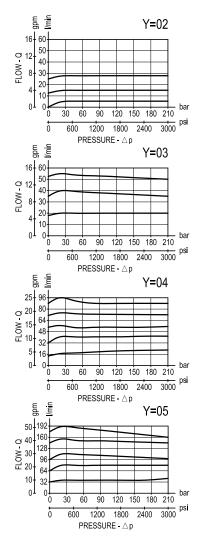
RE 18309-36/04.10 1/2 Replaces: RE 00171/02.07

Flow regulator, 2-way, pressure compensated, with check valve for free reverse flow

VRFC2-VU



Performance



Description

0M.24.03 - X - Y

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. Free flow is permitted from R to E, regardless of valve adjustment, when pressure overcomes the spring bias of the check valve.

Technical data

Hydraulic

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

General

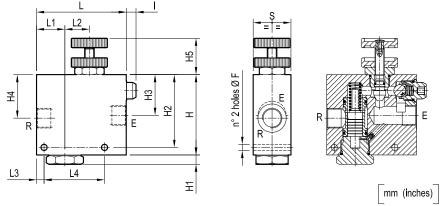
Manifold material	Aluminium					
Note: aluminium bodies are often strong enough for operating pressures						

exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network.

Weight		see "Dimensions"
Fluid temperature range	°C (°F)	between -30 (-22) and +100 (212)
Other technical data		see data sheet RE 18350-50

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

Dimensions



50	82	8	40	40	145	13	40	64	66	100	10	110	8.5	190 i /min	G 1	3.1
(1.97)	(3.23)	(0.32)	(1.58)	(1.58)	(5.71)	(0.51)	(1.58)	(2.52)	(2.6)	(3.94)	(0.39)	(4.33)	(0.34)	50 gpm	01	6.8)
50	82	8	40	35	130	13	40	56	54	90	10	100	8.5	90 I /min	G 3/4	2.1
(1.97)	(3.23)	(0.32)	(1.58)	(1.38)	(5.12)	(0.51)	(1.58)	(2.21)	(2.13)	(3.54)	(0.39)	(3.94)	(0.34)	24 gpm	0.5/4	(4.6)
40	64	8	26	30	95	10	40	46	42	77	10	85	6.5	55 l/min	G 1/2	1.04
(1.58)	(2.52)	(0.32)	(1.02)	(1.18)	(3.74)	(0.39)	(1.58)	(1.81)	(1.65)	(3.03)	(0.39)	(3.35)	(0.26)	15 gpm	G 1/2	(2.3)
40	64	8	26	30	95	10	40	46	41.5	77	10	85	6.5	30 l/min	G 3/8	1.04
(1.58)	(2.52)	(0.32)	(1.02)	(1.18)	(3.74)	(0.39)	(1.58)	(1.81)	(1.63)	(3.03)	(0.39)	(3.35)	(0.26)	8 gpm	G 3/0	(2.3)
s	L4	L3	L2	11	1	1	H5	H4	НЗ	H2	H1	н	с	Q	v	Weight
3	L4	LJ	LZ	LI	L	1	пр	Π4	пэ	п	пі	п	Г	Q	1	kg (lbs)

Ordering code

		0M.24	4.03	Х	(`	Y		
Flow re	gulator,							
	pressure compensate valve for free reverse							
Adjustr	nents					Po	ort sizes	
						=	02	
= 70	Handknob and loc	knut		P		=	03	
			Π			=	04	
= 80	Screw and locknut	t		1		=	05	
= 40	Graduated handkn	nob						

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

Туре	Material number	Туре
0M2403700200000	R930004201	0M2403400200000
0M2403700300000	R930004202	0M2403400300000
0M2403700400000	R930004203	0M2403400400000
0M2403700500000	R930004204	0M2403400500000
0M2403800200000	R930000267	
0M2403800300000	R930004205	
0M2403800400000	R930000221	
0M2403800500000	R930000256	

 Type
 Material number

 0M2403400200000
 R930004200

 0M2403400300000
 R930000524

 0M2403400400000
 R930000525

 0M2403400500000
 R930000274

Bosch Rexroth Oil Control S.p.A. Via Leonardo da Vinci 5 P.O. Box no. 5 41015 Nonantola – Modena, Italy Tel. +39 059 887 611 Fax +39 059 547 848 motion-control-valves@oilcontrol.com www.boschrexroth.com $\ensuremath{\mathbb{C}}$ 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.