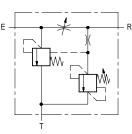


RE 18309-45/04.10 1/2 Replaces: RE 00171/02.07

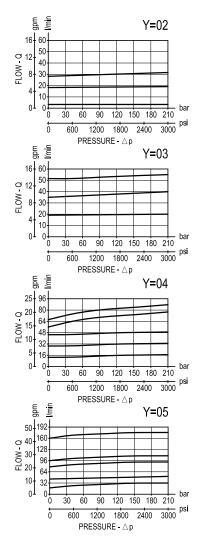
Flow regulator, 3-way, pressure compensated, with relief



VRFC3-VS



Performance



0M.33.03 - X - Y

A constant pressure compensated flow rate 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 bypassed to T. Output flow can be varied from closed to the nominal maximum rating for the valve. The valve module includes a small pilot relief cartridge which senses the pressure of the Regulated flow and diverts it to tank if the maximum allowed pressure is reached. 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 permitted.

Technical data

Description

Hydraulic

Max. pressure	bar (psi)	210 (3000)					
Adj. relief valve: range 35-210 bar (500-3000 psi). Standard setting: 210 bar (3000 psi)							
QE = max inlet flow "E" port (see "Dimensions")							
QR = max regulated flow "R" port (see "Dimensions")							
Flow range adjustment : 0 - 3 turns							

General

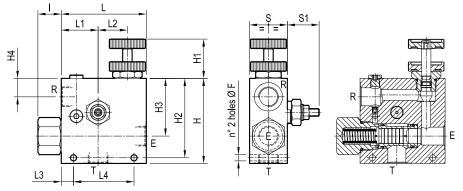
Manifold material	Aluminium	

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



34	60	75	20	62	65	155	25	46	83	100	40	110	8.5	190 l/min	280 l/min	0.1	3.3
(1.34)	(2.36)	(2.95)	(0.79)	(2.44)	(2.56)	(6.1)	(0.98)	(1.81)	(3.27)		(1.58)	(4.33)			74 gpm	G1	(7.3)
34	50	88	10	35	44	108	25	23	73	101	40	108	8.5	90 l/min	150 l/min	C 2/4	2
(1.34)	(1.97)	(3.47)	(0.39)	(1.38)	(1.73)	(4.25)	(0.98)	(0.91)	(2.87)	(3.98)	(1.58)	(4.25)	(0.34)	24 gpm	40 qpm		(4.4)
34	40	64	13	31	39	90	25	17.5	60	84	40	90	6.5	55 l/min	90 l/min 24 gpm	0 1/2	1.1
(1.34)	(1.58)	(2.52)	(0.51)	(1.22)	(1.54)	(3.54)	(0.98)	(0.69)	(2.36)	(3.31)	(1.58)	(3.54)	(0.26)				
34	40	64	13	31	39	90	25	17.5	60	84	40	90	6.5	30 l/min	55 l/min 15 gpm	C 2/0	1.1
(1.34)	(1.58)	(2.52)	(0.51)	(1.22)	(1.54)	(3.54)	(0.98)	(0.69)	(2.36)	(3.31)	(1.58)	(3.54)	(0.26)	8 gpm	15 gpm	0 3/0	(2.42)
S1	s	L4	L3	L2	14	1	1	H4	НЗ	H2	H1	н	E	QR	QE	v	Weight
31	3	L4	LO	LZ	LI	L	1	Π4	пэ	пг	пі	п	Г	QR	QE	I	kg (lbs)

mm (inches)

Ordering code

		OM.3	3.03	X	Y		
Flow re	egulator,					_	
3-way, with rel	pressure compensati	ed					
							1
Adjustr	nents		_		F	Port sizes	
					=	= 02	
= 70	Handknob and loc	knut		_	=	= 03	
			П		=	= 04	
= 80	Screw and locknut	t		2	=	= 05	
= 40	Graduated handkr	nob		Ţ			

Туре	Material number	Туре	Material number
0M330370020000A	R930004260	0M330340020000A	R930004251
0M330370030000A	R930004262	0M330340030000A	R930004252
0M330370040000A	R930004263	0M330340040000A	R930004254
0M330370050000A	R930004264	0M330340050000A	R930004255
0M330380020000A	R930004266		
0M330380030000A	R930004267		
0M330380040000A	R930004268		
0M330380050000A	R930004270		

E - R - T G 3/8 G 1/2 G 3/4 G 1

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Subject to change.