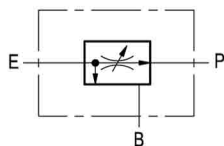
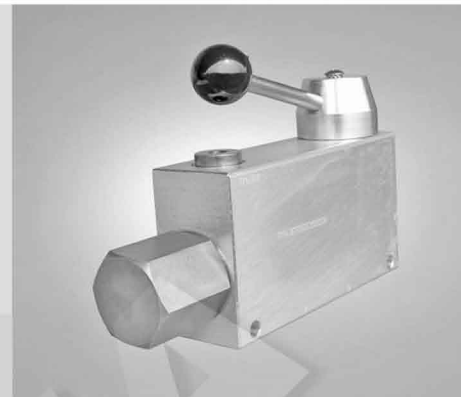


Part number:

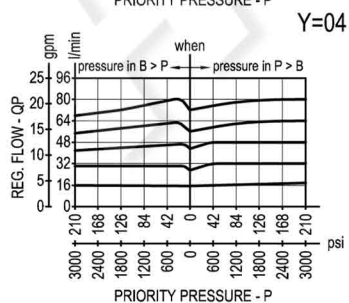
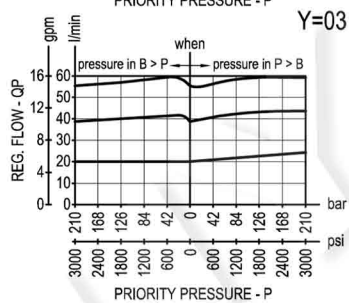
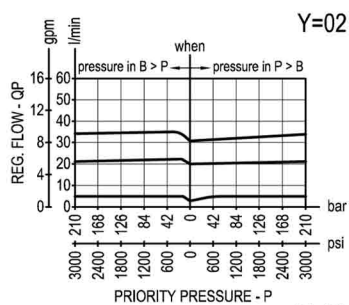
Flow regulator, 3-way, combination type pressure compensated

VRFC3C

0M.42.03.50 - Y



Performance



Description

A constant priority flow, regardless of system pressures, is established from E to P, while a minimum pressure differential of appr. 5 bar (70 psi) exists between the two ports. While the regulated priority flow from P is used in the priority circuit, the flow supplied to E in excess of priority is by-passed to port B and can be sent to power other actuators. Priority flow can be varied from zero (Closed) to the nominal maximum rating for the valve (Open). Reverse flow from P to E is limited by the selected opening of the restrictor and is not pressure compensated. Reverse flow from B is not permitted.

Technical data

Hydraulic

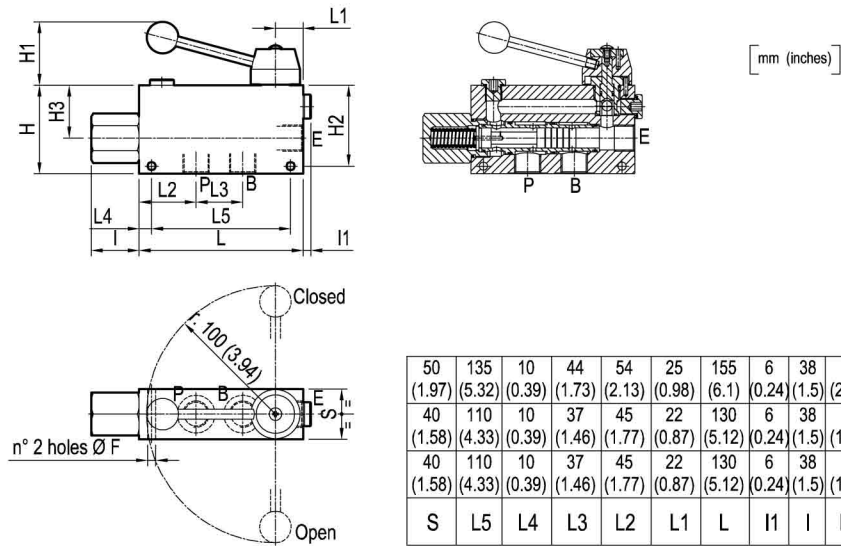
Operating pressure	bar (psi)	up to 210 (3000)
QE = max inlet flow "E" port (see "Dimensions")		
QP = max priority flow "P" port (see "Dimensions")		

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 (1.97)	135 (5.32)	10 (0.39)	44 (1.73)	54 (2.13)	25 (0.98)	155 (6.1)	6 (0.24)	38 (1.5)	55 (2.17)	83 (3.27)	50 (1.97)	90 (3.54)	8.5 (0.34)	90 l/min 24 gpm	150 l/min 40 gpm	G 3/4	2.6 (5.7)
40 (1.58)	110 (4.33)	10 (0.39)	37 (1.46)	45 (1.77)	22 (0.87)	130 (5.12)	6 (0.24)	38 (1.5)	42 (1.65)	64 (2.52)	50 (1.97)	70 (2.76)	6.5 (0.26)	55 l/min 15 gpm	90 l/min 24 gpm	G 1/2	1.4 (3.1)
40 (1.58)	110 (4.33)	10 (0.39)	37 (1.46)	45 (1.77)	22 (0.87)	130 (5.12)	6 (0.24)	38 (1.5)	42 (1.65)	64 (2.52)	50 (1.97)	70 (2.76)	6.5 (0.26)	30 l/min 8 gpm	55 l/min 15 gpm	G 3/8	1.4 (3.1)
S	L5	L4	L3	L2	L1	L	I1	I	H3	H2	H1	H	F	QP	QE	Y	Weight kg (lbs)

Ordering code

OM.42.03 50 Y

Flow regulator,
3-way, combination type,
pressure compensated

Adjustments

Lever with built in friction clutch

Port sizes	E - B - P
= 02	G 3/8
= 03	G 1/2
= 04	G 3/4

Type	Material number
OM420350020000A	R930000033
OM4203500300000	R930004322
OM4203500400000	R930004323

Type	Material number