

Shuttle valve

VFC

05.99.05.00 - Y

RE 18309-98

Edition: 05.2022

Replaces: 03.2016



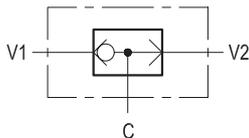
Technical data

Operating pressure	up to 210 bar (3000 psi)
Max. flow	50 l/min. (13 gpm)
Weight	0.17 kg (0.38 lbs)
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
MTTFD	150 years see RE 18350-51
Other technical data	see data sheet 18350-50

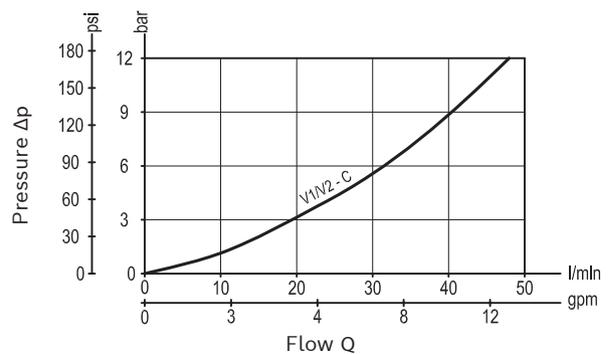
Note: for applications outside these parameters, please consult us.

Description

Single ball shuttle valve with 3 ports for in-line plumbing: when the ports V1 and V2 are connected to 2 work lines, the valve delivers the highest of the 2 pressures to the common port C. The single ball allows for the decay of the pressure signal when both work ports drop to a lower pressure level.



Characteristic curve



Ordering code

05.99.05.00	Y
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Shuttle valve

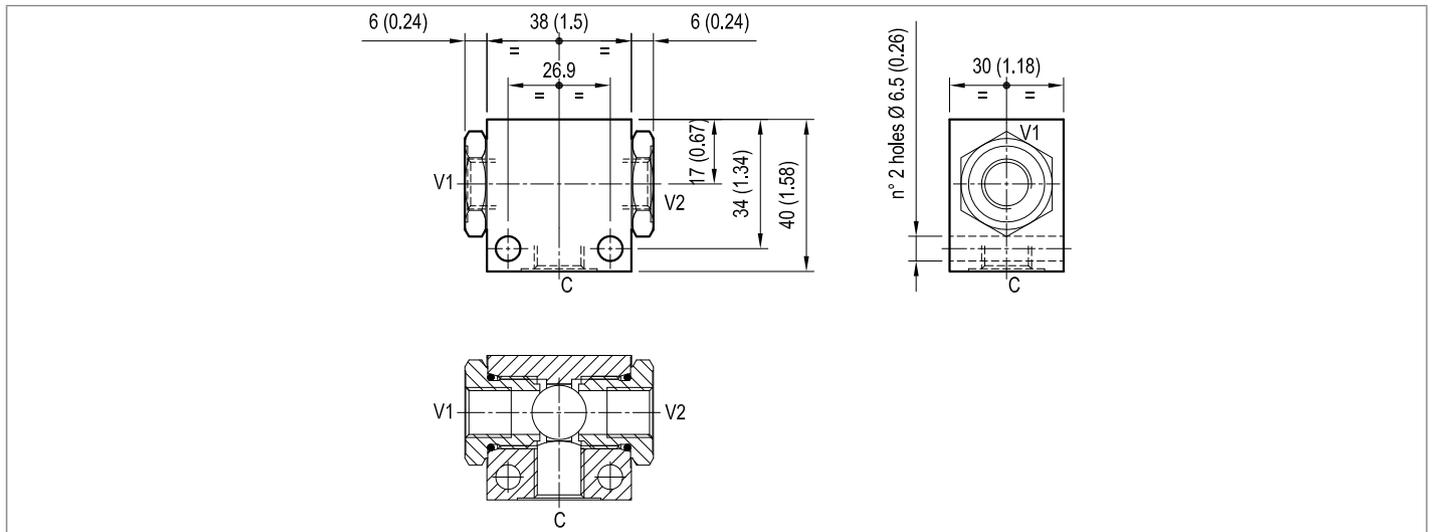
Port sizes	C	V1 - V2
09	G 1/4	G 1/4

Preferred types

Type	Material number
05990500090000A	R930002701

Type	Material number

Dimensions



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