

Part number:

006-11458

HYDROMA

HYDRAULICKÉ SYSTÉMY

HIDROMA
SISTEMS

UKŁADY HYDRAULICZNE

HYDROMA

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

Pilot operated check, single

VSO-SE-FC1

05.52.02 - X - Y - Z

RE 18307-05

Edition: 03.2016

Replaces: 04.2010



Technical data

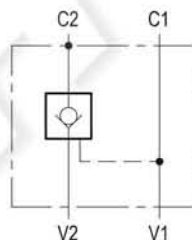
Operating pressure	up to 210 bar (3000 psi)
Max. flow	50 l/min. (13 gpm)
Weight	0.72 kg (1.59 lbs)
Manifold material	Aluminium
Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network.	
Flange seal kit ¹⁾	E00000000000008 (R930004538)
Fluid	Mineral oil (HL, HLP) according DIN 51524
Fluid temperature range	-30 °C to 100 (-22 to 212 °F)
Viscosity range	10 to 500 mm ² /s (cSt)
Recommended degree of fluid contamination	Class 19/17/14 according to ISO 4406
Other technical data	see data sheet 18350-50
The version with O-Ring and heavier spring is generally recommended.	

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

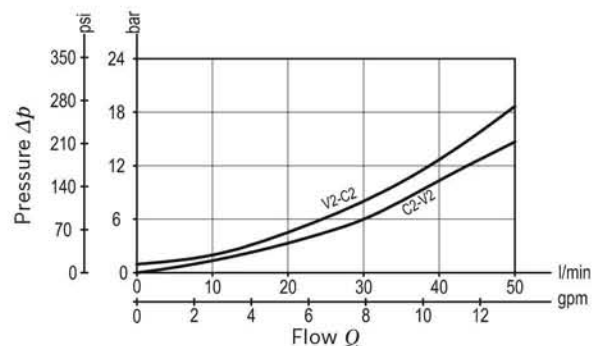
¹⁾ Seal for 20 valves.

Description

Flow is allowed to pass from V2 to C2 when pressure at V2 rises above the spring bias pressure and the poppet is pushed from its seat. The valve is normally closed (checked) from C2 to V2; when sufficient pilot pressure is present at V1-C1 the pilot piston acts to push the poppet from its seat and flow is allowed from C2 to V2. Precision machining and hardening processes allow virtually leak-free performance in the checked condition. For better safety and compact assembly, the C2 port is flanged (gasket mounted) directly on the actuator.



Characteristic curve



Ordering code

05.52.02	X	Y	Z
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Pilot operated check, single

O-Ring on pilot piston	Pilot ratio
00 No O-Ring	3.2 : 1
10 With O-Ring	3.2 : 1
25 With O-Ring	6 : 1

Port sizes	V1 - V2	C1	C2
03	G 1/2	G 1/2	Ø7 (0.28)

SPRINGS	
Cracking pressure bar (psi)	
00	only for X=00 1 (15)
01	only for X=10 and X=25 8 (116)

Preferred types

Type	Material number
05520200030000A	R930002310
055202100301000	R930002313

Type	Material number
055202250301000	R930002314

Dimensions

