Part number:

HYDROMA HYDRAULICKÉ SYSTÉMY

HIDROMA SISTEMS UKŁADY HYDRAULICZNE

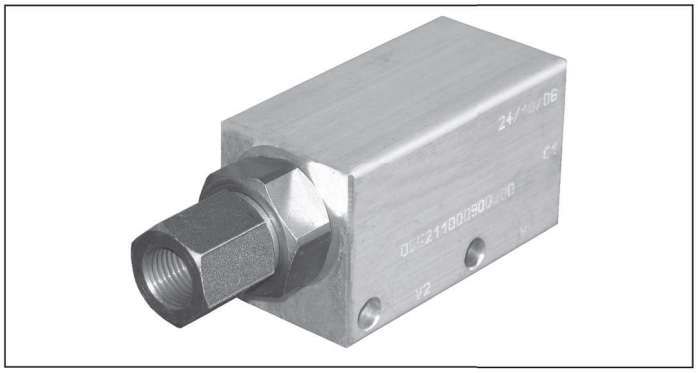
HYDROMA ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

Pilot operated check, single

VSO-SE-DL

05.52.11 - X - 09 - Z

RE 18307-06
Edition: 03.2016
Replaces: 02.2007



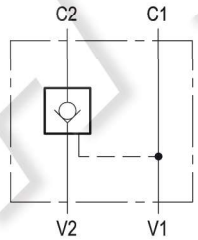
Description

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.

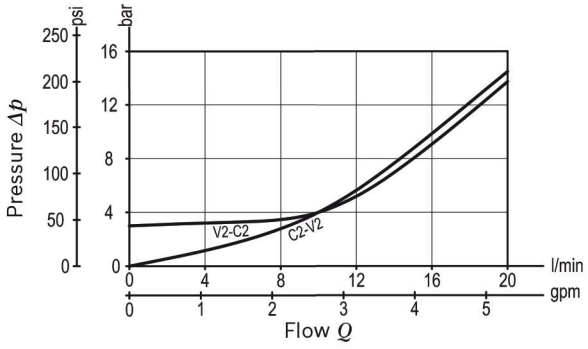
Technical data

Operating pressure	up to 210 bar (3000 psi)
Max. flow	20 l/min. (5 gpm)
Weight	0.39 kg (0.86 lbs)
Manifold material	Anodized 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	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.



Characteristic curve



Ordering code

05.52.11	X	09	Z

Pilot operated check, single

O-Ring on pilot piston	Pilot ratio
00 No O-Ring	4 : 1
10 With O-Ring	4 : 1
37 With O-Ring	9 : 1

Port sizes	V1 - V2	C1 - C2
09	G 1/4	G 1/4

		SPRINGS
		Cracking pressure bar (psi)
00	only for X=00	2 (29)
01	only for X=10 and X=37	8 (116)

Preferred types

Type	Material number
055211000900000	R930002318
055211100901000	R930002323

Type	Material number
055211370901000	R930002330

Dimensions

