

Part number:

**HYDROMA**

HYDRAULICKÉ SYSTÉMY

**HIDROMA  
SISTEMS**

UKLADY HYDRAULICZNE

**HYDROMA**

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

Pilot operated check,  
pilot to open  
Common cavity, Size 16

VSON-16A

04.33.08 - X - 27 - Z

**RE 18319-33**

Edition: 03.2016

Replaces: 09.2009



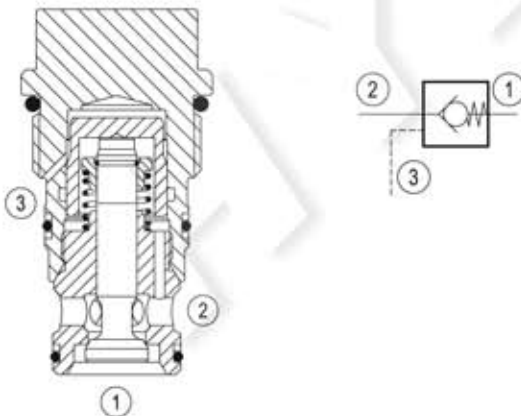
### Description

When pressure at 2 rises above the spring bias pressure, the poppet is pushed from its seat and flow is allowed from 2 to 1. The valve is normally closed (checked) from 1 to 2. When sufficient pilot pressure is present at port 3, the pilot piston acts to push the poppet from its seat and flow is allowed from 1 to 2. Precision machining and hardening processes allow virtually leak-free performance in the checked condition.

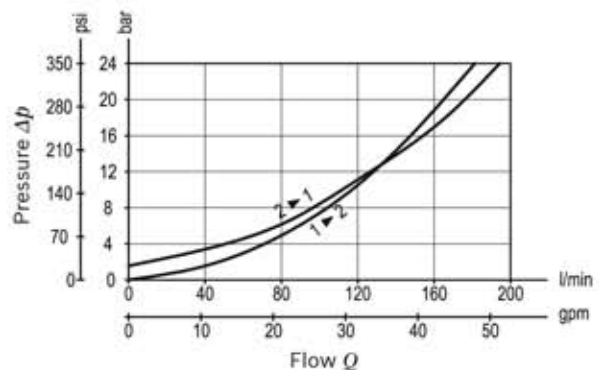
### Technical data

Max. operating pressure	350 bar (5000 psi)
Max. flow	200 l/min. (53 gpm)
Pilot ratio	3:1
Max. internal leakage	5 drops/min.
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	108 - 122 Nm (80 - 90 ft-lbs)
Weight	0.32 kg (0.71 lbs)
Cavity	CA-16A-3C (see data sheet 18325-70)
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit <sup>1)</sup>	Code: RG16A9010520100 material no: R901111388
Fluids	Mineral-based or synthetics with lubricating properties at viscosities of 5 to 800 mm <sup>2</sup> /s (cSt)
Recommended degree of fluid contamination	Nominal value max. 10µm (NAS 8) / ISO 4406 19/17/14
Installation position	No restrictions
Other Technical Data	See data sheet 18350-50

1) Only external seals for 10 valves



### Characteristic curve



**Ordering code**

<b>04.33.08</b>	<b>X</b>	<b>27</b>	<b>Z</b>	<b>00</b>	<b>*</b>
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Pilot operated check, pilot to open

O-Ring on pilot piston

**00** No O-Ring

**10** With O-Ring

**27** Common cavity, Size 16

Series O/A to L  
unchanged performances and dimensions

Version and options standard

SPRINGS	
	Cracking pressure bar (psi)
<b>00</b>	1.5 (22)

**Preferred types**

Type	Material number
043308002700000	R901106635
043308102700000	R901106636

Type	Material number

**Dimensions**

