

Check, poppet type

Common cavity, Size 16

VUCN-16A

04.31.25.00.27 - Z

RE 18318-92

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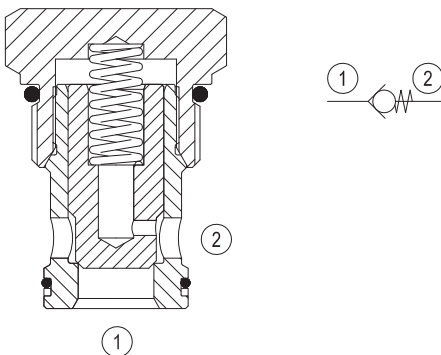
Description

When pressure at 1 rises above the spring bias pressure, the poppet is lifted and flow allowed from 1 to 2. The valve is closed (checked) from 2 to 1. Precision machining and hardening processes allow virtually leak-free performance in the checked condition.

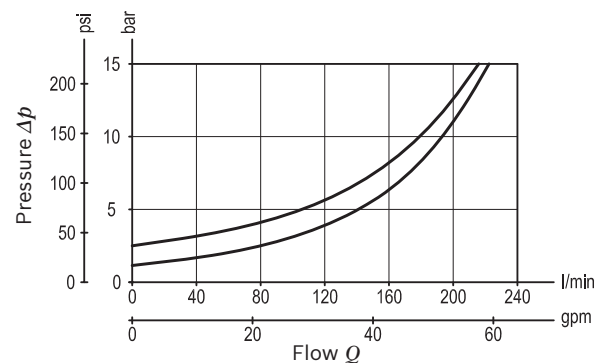
Technical data

Max. operating pressure	350 bar (5000 psi)
Max. flow	200 l/min (53 gpm)
Max. internal leakage	5 drops/min.
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	258 - 285 Nm (191 - 211 ft-lbs) for steel 170 - 190 Nm (126 - 141 ft-lbs) for aluminum
Weight	0.27 kg (0.6 lbs)
Cavity	CA-16A-2N (see data sheet 18325-70)
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit ¹⁾	Code: RG16A2010520100 material no: R901111386
Fluids	Mineral-based or synthetics with lubricating properties at viscosities of 5 to 800 mm ² /s (cSt)
Recommended degree of fluid contamination	Nominal value max. 10µm (NAS 8) / ISO 4406 20/18/15
Installation position	No restrictions
Other Technical Data	See data sheet 18350-50

1) Only external seals for 10 valves



Characteristic curve



Ordering code

04.31.25.00	27	Z	*0	*
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Series 0/A to L
unchanged performances and dimensions

- 0 NBR
- U Urethan/Polyurethan
- V FKM

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27 Common cavity, Size 16

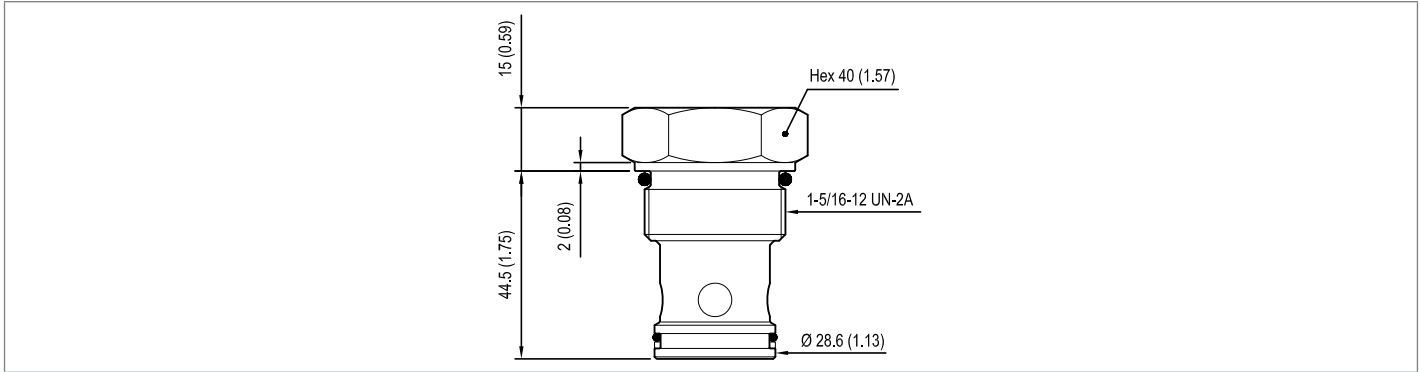
SPRINGS	
Cracking pressure bar (psi)	
A0	0.35 (5.1)
00	1 (15)
02	2 (30)
04	3.5 (51)
B0	0.6 (8.7)
01	1.7 (24.5)
05	4.1 (60)

Preferred types

Type	Material number
0431250027A0000	R930004414
043125002700000	R901106616
043125002702000	R901106617
043125002704000	R930000481
0431250027A0U10	R930097181
0431250027A0V10	R930097189

Type	Material number
0431250027A0010	R930097188
0431250027B0U10	R930097187
043125002701U10	R930097184
043125002705U10	R930097186

Dimensions



Bosch Rexroth Oil Control S.p.A.
Via Leonardo da Vinci 5
P.O. Box no. 5
41015 Nonantola – Modena, Italy
Tel. +39 059 887 611
Fax +39 059 547 848
compact-hydraulics-cv@boschrexroth.com
www.boschrexroth.com/compacthydraulics

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