

Check, poppet type with thermal relief Common cavity, Size 12

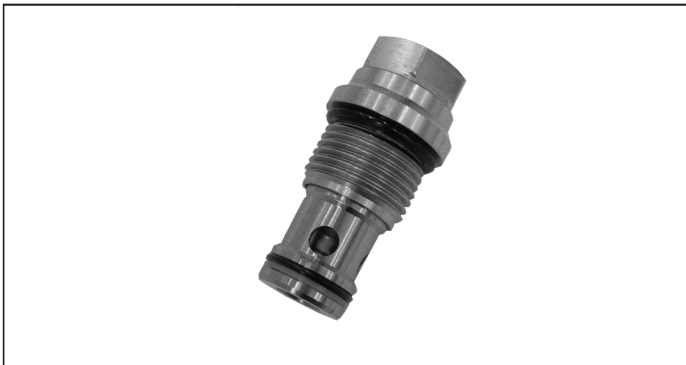
VUCN-12A-TR

04.31.37 - X - 57 - Z

RE 18318-95

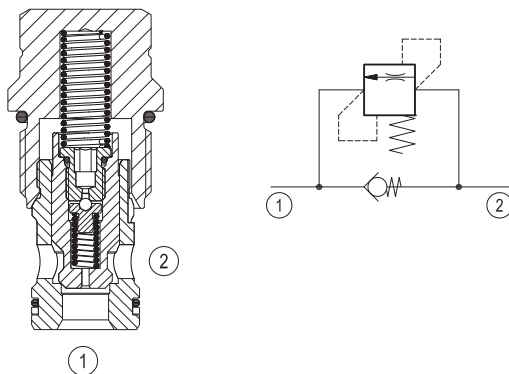
Edition: 03.2016

Replaces: 07.2010



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. If the pressure at 2 increases to meet the thermal relief valve setting, a small amount of oil is allowed from 2 to 1, preventing damage from increasing pressure. Precision machining and hardening processes allow virtually leak-free performance in the checked condition.

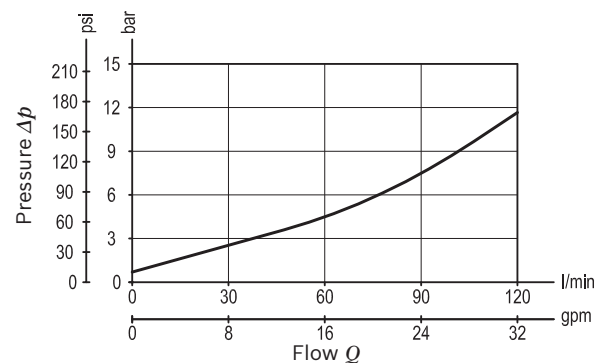


Technical data

Max. operating pressure	350 bar (5000 psi)
Max. flow	120 l/min (32 gpm)
Max. flow relief function	1 l/min. (0.26 gpm)
Thermal relief setting	350 ± 20 bar (5000 ± 290 psi)
Thermal relief reseal	270 bar (4000 psi)
Max. internal leakage	15 drops/min. at 250 bar (3600 psi)
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	81 - 95 Nm (60 - 70 ft-lbs)
Weight	0.2 kg (0.44 lbs)
Cavity	CA-12A-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: RG12A2010520100 material no: R901111377
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 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

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Check, poppet type with thermal relief

Thermal relief Std. Setting bar (psi)

35 350 ± 20 (5000 ± 290)

(Different pressure settings available on request)

Version and options standard

Series 0/A to L unchanged performances and dimensions

SPRINGS

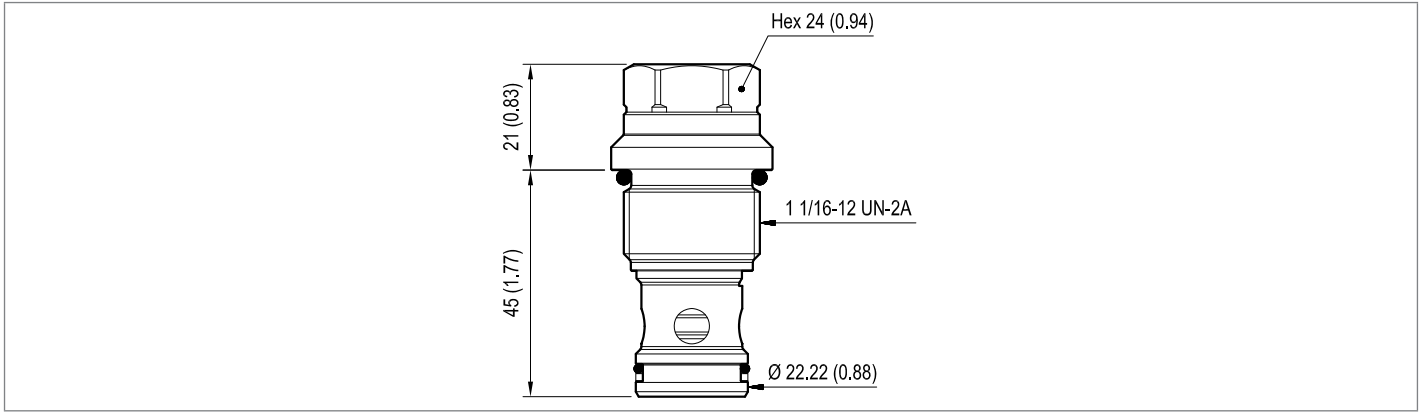
00 1 (14.5)

57 Common cavity, Size 12

Preferred types

Type	Material number	Type	Material number
04313735570000A	R930005591		

Dimensions



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