

Check, poppet type

Common cavity, Size 12

VUCN-12A

04.31.28.00.57 - Z

RE 18318-91

Edition: 01.2019

Replaces: 11.2018



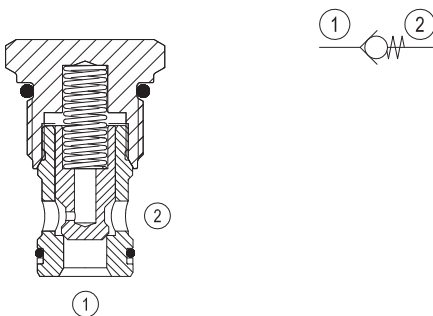
Description

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.

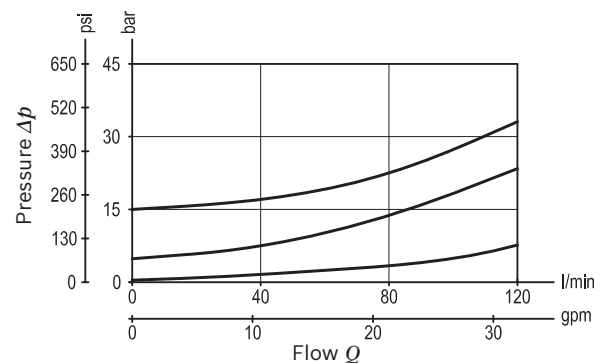
Technical data

| | |
|---|---|
| Max. operating pressure | 350 bar (5000 psi) |
| Max. flow | 120 l/min (32 gpm) |
| Max. internal leakage | 5 drops/min. |
| Fluid temperature range | -30 to 100 °C (-22 to 212 °F) |
| Installation torque | 81 - 95 Nm (60 - 70 ft-lbs) |
| Weight | 0.18 kg (0.4 lbs) |
| MTTFD | 150 years see RE 18350-51 |
| 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 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

| | | | | |
|-------------|----|---|----|---|
| 04.31.28.00 | 57 | Z | 00 | * |
|-------------|----|---|----|---|

Check, poppet type

Version and options standard

57 Common cavity, Size 12

| | |
|----|-----------------------------|
| | SPRINGS |
| | Cracking pressure bar (psi) |
| 00 | 1 (15) |
| 05 | 5 (75) |
| 08 | 8 (115) |
| 15 | 15 (220) |

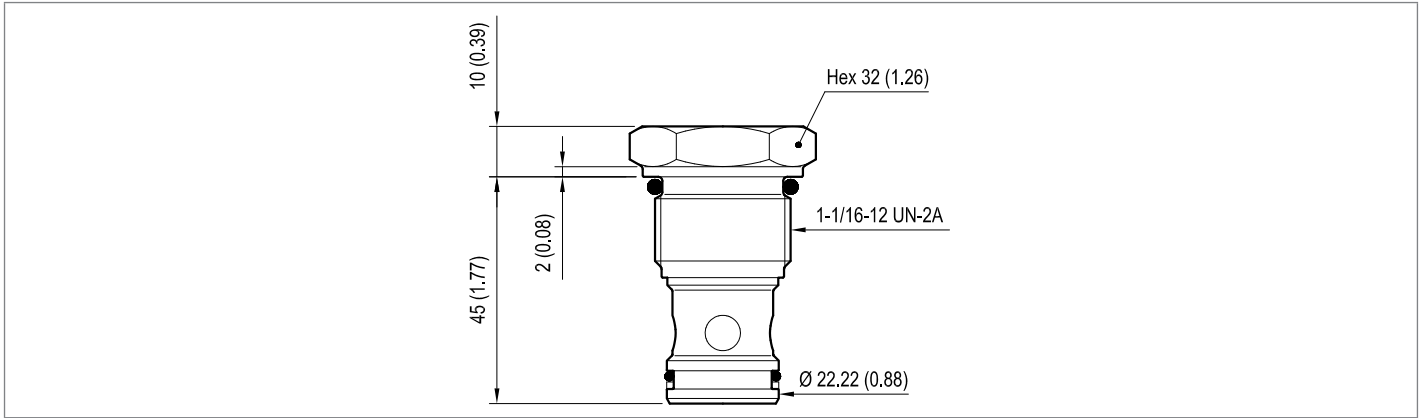
Series 0/A to L

unchanged performances and dimensions

Preferred types

| Type | Material number | Type | Material number |
|-----------------|-----------------|------|-----------------|
| 043128005700000 | R901106613 | | |
| 043128005705000 | R901106614 | | |
| 043128005708000 | R930000490 | | |
| 043128005715000 | R901106615 | | |

Dimensions



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