

Pilot operated check, pilot to open SUN cavity interchange, T-11A

VSON-08U

04.33.06 - X - 20 - Z

RE 18319-39

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Description

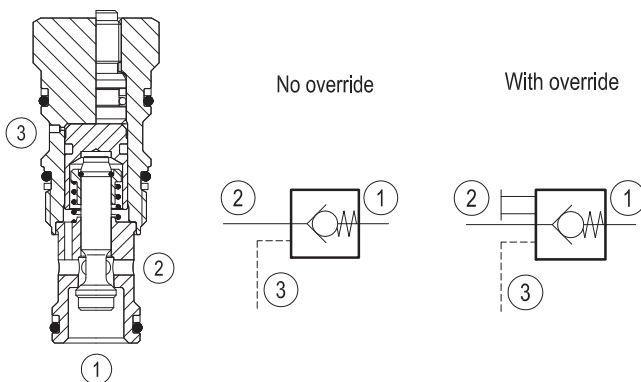
When pressure at 2 rises above the spring bias pressure, the poppet is pushed from its seat and flow is allowed from 2 to 1. The valve is normally closed (checked) from 1 to 2. When sufficient pilot pressure is present at port 3, the pilot piston acts to push the poppet from its seat and flow is allowed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

In case of valve application in redundancy systems it is especially recommended to use version with sealed pilot piston.

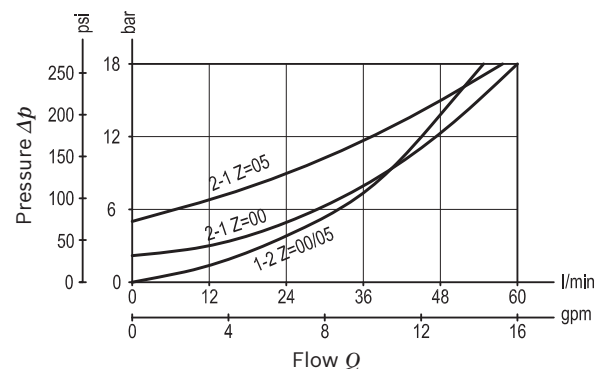
Technical data

Max. operating pressure	350 bar (5000 psi)
Max. flow	60 l/min. (16 gpm)
Pilot ratio	3.2:1
Max. internal leakage	5 drops/min.
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	40 - 50 Nm (30 - 37 ft-lbs)
Weight	0.12 kg (0.27 lbs)
Cavity	SUN T-11A
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit ¹⁾	Code: RG08U9020110100 material no: R901193388
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

04.33.06	X	20	Z	00	*
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Pilot operated check, pilot to open

Version and options standard

Options

00 No O-Ring, no manual override

10 With O-Ring, no manual override

01 No O-Ring, with manual override

11 With O-Ring, with manual override

20 SUN cavity interchange, SUN T-11A

Series 0/A to L

unchanged performances and dimensions

SPRINGS

Cracking pressure

bar (psi)

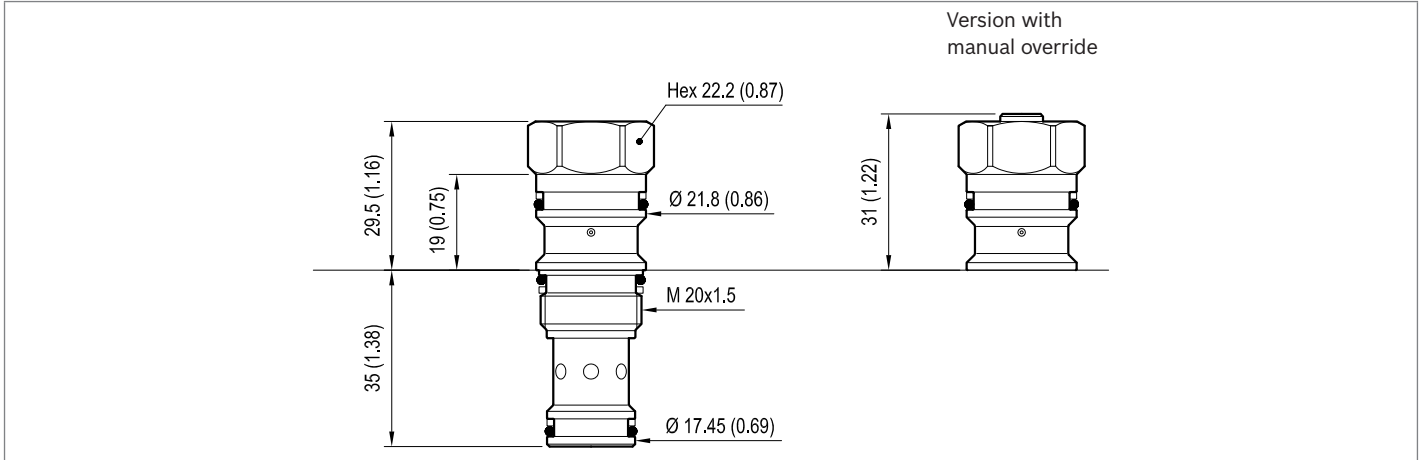
002 (30)

055 (73)

Preferred types

Type	Material number	Type	Material number
04330600200000A	R901106637	043306002005000	R930056986
04330610200000A	R901104068	043306102005000	R930056987
043306012000000	R930005647	043306012005000	R930056988
043306112000000	R930001975	043306112005000	R930056989

Dimensions



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