

Pilot operated check, pilot to open SUN cavity interchange, T-17A

VSON-16U

04.33.09 - X - 47 - Z

RE 18319-41

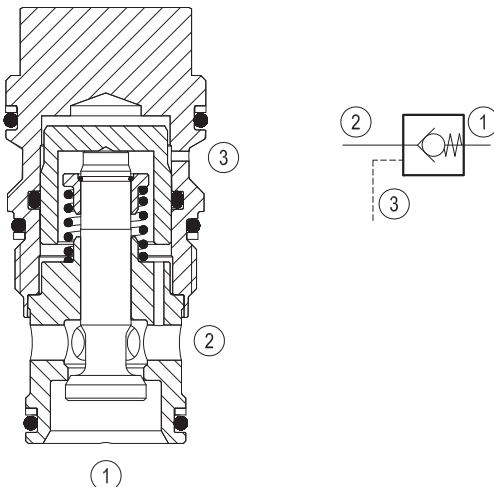
Edition: 12.2023

Replaces: 09.2019



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

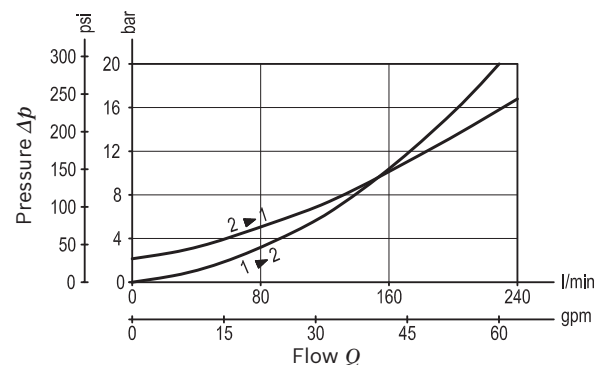


Technical data

Max. operating pressure	350 bar (5000 psi)
Max. flow	240 l/min. (63 gpm)
Pilot ratio	3:1
Max. internal leakage	5 drops/min.
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	200 - 215 Nm (148 - 159 ft-lbs)
Weight	0.67 kg (1.48 lbs)
Cavity	SUN T-17A
MTTFD	150 years see RE 18350-51
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit ¹⁾	Code: RG16U9020110100 material no: R930000995
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



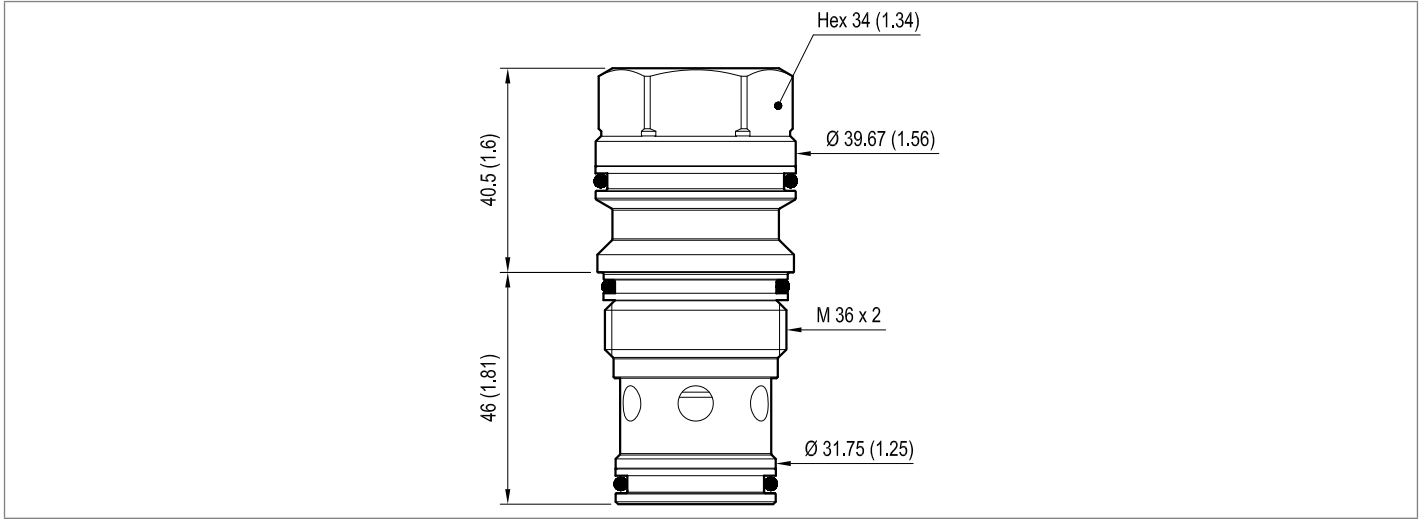
Ordering code

04.33.09	X	47	Z	00	*
Pilot operated check, pilot to open		Version and options standard			
O-Ring on pilot piston		SPRINGS			
00 No O-Ring		Cracking pressure bar (psi)			
10 With O-Ring		00 1.5 (22)			
47 SUN cavity interchange, SUN T-17A					

Preferred types

Type	Material number	Type	Material number
043309004700000	R901106640		
043309104700000	R901106641		

Dimensions



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