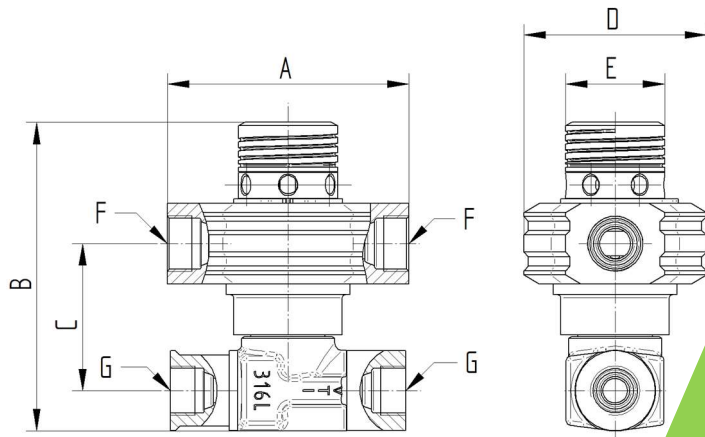




general information

product area	AlternativeFUELcontrol
application	TPRD thermally activated pressure relief device for H2 fuel systems with a service pressure up to 700 bar (10150 psi)
characteristics	• TPRD with glass bulb technology • shorter release times due to convection • weight-reduced aluminium design • rotatable outlet connection • the design enables an in line assembly and thus no additional fitting installation is required • fixing groove enables proper attachment to the bottle with a strap clamp

technical data

gas type	hydrogen (CHG)
release temperature	110 °C ± 10 °C (230 °F ± 18 °F)
inlet port (G)	• 3/4-16 UNF-2B SAE J1926-1 • 9/16-18 UNF-2B SAE J1926-1 • 7/16-20 UNF-2B SAE J1926-1 • VOSS MM06-12
outlet port (F)	• 3/4-16 UNF-2B SAE J1926-1 • 9/16-18 UNF-2B SAE J1926-1 • 7/16-20 UNF-2B SAE J1926-1 • VOSS MM06-12
nominal working pressure (NWP)	700 bar @ 15 °C (10150 psi @ 59 °F)
maximum fuelling pressure (MFP)	875 bar @ 85 °C (12690 psi @ 185 °F)
orifice diameter	3.8 mm (0.15 inch)
temperature range	-40 °C to +85 °C (-40 °F to 185 °F)
Kv-value [m³/h]	0.52
Cv-value [US-gallons/min]	0.60
weight	approx. 900 g (approx. 2 lb)
activation	thermal

dimensions

A	78 mm (3.07 inch)
B	100 mm (3.94 inch)
C	48 mm (1.89 inch)
D	59 mm (2.32 inch)
E	32 mm (1.26 inch)
F	outlet port
G	inlet port

materials

metals	• components in permanent contact with gas: AISI 316L (1.4404) • other: anodized aluminium
polymers	• support rings: NBR, PVDF • o-rings: EPDM

certification & approval

- UN ECE-R134
- CSA/ANSI HPRD 1 on request
- CGA S-1.1-2022 conform
- 2014/68/EU PED in pending