

# ATTESTATION



America

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**Attestation Number:** 721004505 R1

**Issued To:** Swagelok Company  
29500 Solon Road  
Solon, Ohio 44139-3449

**Standards:** Gaseous hydrogen fuelling stations – Part 3: Valves.  
International Standard ISO 19880-3:2018 /  
CSA/ANSI HGV 4.4:21

**Components:** See drawing: CVT SERIES H2 CHECK VALVE Rev.-  
on the 2<sup>nd</sup> page of this Attestation.

As an independent inspection agency, TÜV SÜD America attests that representative components listed on the 2<sup>nd</sup> page of this attestation have met all the design and test qualification requirements of International Standard ISO 19880-3:2018 / CSA/ANSI HGV 4.4:21 - Gaseous hydrogen fuelling stations as applicable. Test results can be found in reports #TR-05589-05-R0 (*Bending Moment*), #TR-05589-06-R0 (*Excess Torque Resistance*), #TR-05589-07-R0 *Swagelok (Pressure Cycle)*, and #TR-05589-08-R0 (*Non-Metallic Material*).

These components were designed and tested for use with compressed hydrogen gas. These components should be installed, used, and maintained in accordance with the manufacturer's Installation / Operation Manual.

**Prepared and approved by:**

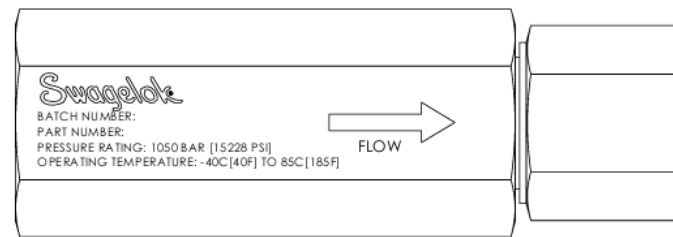
A handwritten signature in blue ink, reading 'André Frégeau'.

André Frégeau  
Manager Alternative Fuels  
TÜV SÜD America,  
05/20/2025.



1. PRODUCT TO BE TESTED IN ACCORDANCE WITH ISO 9880-3 AND HGV 4.4.
2. CONNECTION AVAILABLE ONLY IN LIKE-KIND AND SIZE.
3. MARKING METHOD: PRODUCT MARKED ON INLET BODY HEX.
4. OPERATING SPECS:  
NOMINAL PRESSURE RATING: 1050 BAR / 15,228 PSI  
TEMPERATURE RATING: (-40°C TO +85°C)

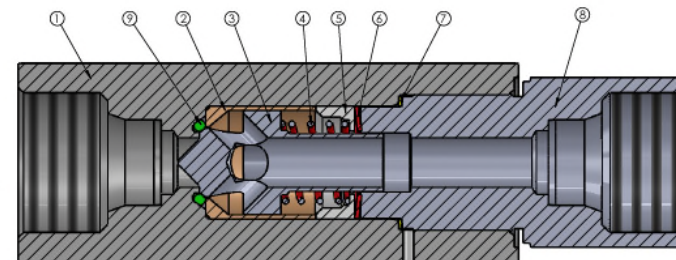
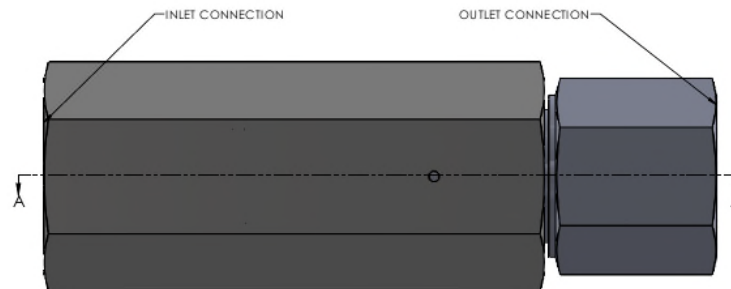
DWG. NO.	CVT SERIES H2 CHECK VALVE
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## PRODUCT MARKING

VALVE SIZE / SERIES NUMBER	INLET / OUTLET CONNECTION	BODY HEX SIZE	END SCREW HEX SIZE
CVT6	1/4" FK	1"	3/4"
	1/4" C&T		
	3/8" FK		
	3/8" C&T		
CVT9	1/2" FK	1-1/2"	1-1/4"
	9/16" FK		
	9/16" C&T		
	9/16" FK		
CVT12	9/16" C&T	1-3/4"	1-1/2"
	3/4" FK		
	3/4" C&T		
	3/4" C&T		

ITEM NO.	QTY.	DESCRIPTION	MATERIAL
1	1	INLET BODY	ASTM A276 - 316 S.S.
2	1	O-RING	90 DUROMETER FKM
3	1	BUSHING	UNS C63000
4	1	POPPET	ASTM A276 - 316 S.S.
5	1	COMPRESSION SPRING	ASTM A313 - 316 S.S.
6	1	SPRING CARRIER	ASTM A276 - 316 S.S.
7	1	BEVELVILLE SPRING	ASTM A240/A466 - 316 S.S.
8	1	METAL GASKET	ASTM A240 - 316 S.S.
9	1	END SCREW	ASTM A276 - 316 S.S.



SECTION A-A  
SCALE 3 : 2

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UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
.001 .01  
.003 .005  
.015 .020  
ANGLES .50 MINUTES  
INTERPRET DIM. AND TOL. PER ASME Y14.5M-1994

TITLE CVT SERIES H2 CHECK VALVE ISO 19880-3 WITNESS TESTING APPROVAL			
MATERIAL	SA P CHANGE NUMBER	DCN-00247938	SCALE 1:1
	DATE	1/20/2025	DWG. NO.

Swagelok

	SHEET 1 of 1
VS	00
REV.	-