

FULL QUALITY ASSURANCE CERTIFICATE

Certificate No.:
10000350309-PA-ACCREDIA-USA

Initial date:
02 April, 2020

Validity:
04 October, 2023 – 01 April, 2026

This certificate consists of 4 pages

This is to certify that the quality system of:

Total Valve Systems

1300 E Memphis Street, Broken Arrow, OK 74012
USA

has been assessed and found to comply with respect to the conformity assessment procedure described in:

ANNEX III MODULE H OF DIRECTIVE 2014/68/EU ON PRESSURE EQUIPMENT

This certificate is valid for the following scope:

Type of Pressure Equipment

Pressure Accessories

Product Name

**TVS Customer Excess Flow, Check and
Changeover Valves**

Place and date:
Vimercate, 04 October, 2023

Check Validity



SGQ N° 003 A
SGA N° 003 D
SGE N° 007 M
SCR N° 004 F

EMAS N° 009 P
PRD N° 003 B
PRS N° 094 C
SSI N° 002 G

Membro di MLA EA per gli schemi di accreditamento
SGQ, SGA, PRD, PRS, ISP, GHG, LAB e LAT, di MLA IAF
per gli schemi di accreditamento SGQ, SGA, SSI, FSM
e PRD e di MRA ILAC per gli schemi di accreditamento
LAB, MED, LAT e ISP

For the issuing office:
Notified Body 0496, Italy
DNV Business Assurance Italy S.r.l.



Maurizio Bellina
Management Representative

Jurisdiction

Application of Directive 2014/68/EU and Decreto Legislativo n. 26 of 15 February 2016.

Certificate history

Revision	Description	Issue date
00	Original issuance of Certificate	07 April, 2020
01	Recertification and new product addition; changeover valve 8000 and 8800 series	11 September, 2023
02	Update to correct a typo	04 October, 2023

Products covered by this certificate.

Product name	Product description	Type of material	Applied product standard
TVS Custom Excess Flow and Check Valves	Flanged, wafer, and threaded valves for unidirectional and bidirectional normal flows. These are mechanical shut-off devices with a defined automatic shut-off direction for piping systems.	See below	ASME B16.34-2020
Changeover Valves-8800 and 8000 series	Multi-flanged valves designed to handle 2 relief valves for overpressure emergencies.	See below	ASME B16.34-2020

Model	Size range and type	Pressure	PED Category
2100/3200	32 to 400 mm, Wafer	20 barg to 430 barg	I to III
2105/3205	32 to 400 mm, Wafer		
2120/3220	32 to 400 mm, Double flanged		
2125/3225	32 to 400 mm, Double flanged		
2130/3230	32 to 150 mm, Threaded		
2140/3240	32 to 150 mm, Threaded		
2150/3250	32 to 150 mm, Threaded		
2155/3255	32 to 150 mm, Threaded		
2160/3260	32 to 150 mm, Threaded		
2106	32 to 400 mm, Wafer		
2170/3270	32 to 150 mm, Socket weld (customer to provide welding of valve into line)		
8000	40 and 50 mm	20 barg	I
8800	40 to 250 mm	20 barg to 430 barg	I to III

Sites covered by this certificate

Site name	Site Address	Audited by	Date	Report ref
Total Valve Systems	1300 S. Memphis St., Broken Arrow, OK 74012 USA	Robert L. Keys	09-10 March 2023; 31 August 2023	Total Valve Systems 177130 Module H RC- SE Audit Report rlk03182023- 09042023

Applications/limitations

- TVS Customer Excess Flow products are not safety accessories as they only limit flow and not pressure.
- Refer to approved PMAs for design temperature limitations for product applications. In the case of Changeover valves, design temperatures are +345 or +400 to -40 °C.
- Approved PMAs include A352-LCC, A351-CF8M, SA350 LF2 CL1, SA 564- 630 H1150D/H1150, SA182-F316, SA320 L7 and SA194 Grade 7
- Valves which fall under SEP cannot be CE marked and are not in the scope of this certificate.

Terms and conditions

The certificate is subject to the following terms and conditions:

- In case of damages caused by defective products, directive 85/374/EEC, as amended, will apply
- The certificate is only valid for the products and/or manufacturing premises listed above.
- The Manufacturer shall fulfil the obligations arising out of the quality system as approved and uphold it so that it remains adequate and efficient.
- The Manufacturer shall inform the local DNV Office of any intended updating of the quality system and DNV will assess the changes and decide if the certificate remains valid.
- The Manufacturer shall inform the local DNV Office of any addition of products outside the scope for this Certificate and DNV will decide if a reassessment of the quality system is required.
- The local DNV office must be informed of any sub-suppliers for main pressure retaining parts.

The following may render this Certificate invalid:

- Changes in the quality system.
- Periodic audits not held within the allowed time window.

Terms and conditions

Valid terms and conditions are found in the DNV's PED Certification Requirements

End of Certificate