

EU DESIGN-EXAMINATION CERTIFICATE

Certificate No.:
10000437758-PA-ACCREDIA-USA

Initial date:
18 February, 2021

This certificate consists of 3 pages

This is to certify that the design of products manufactured by

Total Valve Systems

1300 E Memphis Street, Broken Arrow, OK 74012

have been assessed with respect to the conformity assessment procedure described in:
**ANNEX III MODULE H1 OF DIRECTIVE 2014/68/EU ON
PRESSURE EQUIPMENT**

and found to comply with the requirements in Annex I – Essential Safety Requirements
of the Directive.

The certificate is valid for the following products:

Type of Pressure Equipment	Safety Accessories
Product Name	Total Relief Valve
Product Version	6820

Place and date:
Vimercate 22 February, 2021



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

EMAS N° 009 P
PRD N° 003 B
PRS N° 004 C
SSI N° 002 G

Membro di MLA EA per gli schemi di accreditamento
SGQ, SGA, PRD, PRS, SSR, GHG, LAB e LAT; di MLA DAF
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 notified body 0496:
DNV GL Business Assurance Italia S.r.l.

Nicola Privato
Management Representative

Certificate No.: 10000437758-PA-ACCREDIA-USA
 Place and date: Vimercate 22 February, 2021
 Revision No.: 00

Jurisdiction

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

Certificate history

Revision	Description	Issued date
0	Initial certificate	22 February, 2021

Products covered by this certificate

Product name	Product description	Product version	PED Category	Product standard
Total Relief valve	TRV module, Triple offset valve and actuation system with key systems options for set pressure release	6820	IV	ASME B16.34- 2017 and ASME Sec VIII- Div 1 - 2019

Design data

MODEL NUMBER	PS (barg)	Test Pressure (barg)	DN (mm)	Fluid Group	Fluid State	PED Category
6820-0DH	20	31.03	20	1	Gas	IV
6820-01J	51	77.59	25			
6820-0DP	414	624.14	20			
6820-0GH	20	31.03	40			
6820-02H	20	31.03	50			
6820-0HH	20	31.03	65			
6820-03J	102	155.17	80			
6820-04N	250	387.93	100			
6820-04P	414	624.14	100			
6820-06J	51	77.59	150			
6820-100H	20	31.03	2500			
6820-08J	51	77.59	200			
6820-12N	414	624.14	300			
6820-100N	250	387.93	2500			
6820-100P	414	624.14	2500			

Applications/limitations

- Temperature (-196°C to 427°C) Dependent on Material/Design Considerations.
- Only approved materials under PMAs can be utilized on Main Pressure Boundary parts.

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Model Code breakdown

6820 - XXX A - K C C C - B E C

XXX = Valve size
 A = Valve Class
 K = Valve Body style
 C C C = "Main valve body material", "Main valve trim material" and "Pilot spring material"
 B = Seat type
 E = Features 1
 C = Features 2

Drawing/ Document No.	Rev.	Date	Title	Status
6820	4	June 17, 2019	6820 Series Relief Valve 3" to 80" Pressure ranges 7-1250 psig	A
PLT-2-BLT	1	Dec 29, 2020	Pilot Assembly	A
6820-MDL-2	1	Feb 13, 2019	6820 NPRV module	A
5.0 Q119_R0_ESR List	-	Nov 30, 2020	ESR report	A
R 108 / CEOC / CP99 dEf	1	-	Hazard Analysis	FI
6820M1-2009	1	Jan 15, 2021	Installation, Operation and Maintenance Instructions	FI
-	-	Nov 20, 2020	Declaration of Conformity	A

*) A=Approved, FI=For information

Terms and conditions for the certificate

This certificate does not give the manufacturer the right to CE mark and put on the market the product(s) listed on this certificate. The product(s) must be manufactured under a Full Product Quality Management System according to Module H1, in order to allow the manufacturer to draw up an EU declaration of conformity and legally affix the CE mark followed by the Notified Body identification number (0496) of DNV GL Business Assurance Italia S.r.l.

Other valid terms and conditions are found in the DNV GL's PED Certification Requirements.

END OF CERTIFICATE