Declaration of Conformity



(According EN ISO/IEC 17050-1:2010 Conformity Assessment – Declaration of Conformity of Suppliers – Part 1: Basic Requirements)

ChemValve-Schmid AG, Duennernstrasse 540, CH-4716 Welschenrohr, Switzerland hereby declares, that

PTFE Lined Butterfly Valves Type CST

DN 25 – 1200 bare shaft / handlever & manual gear operated / pneumatic & electric actuated

to which this declaration relates, do **not** fall within the scope of application of "Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to equipment and protective systems intended for use in potentially explosive atmospheres (recast)".

This assessment is based on the note according to ATEX 2014/34/EU Guidelines, 1st Edition April 2016, §38, Section 'Simple' products and the fact that with the assembly of valve and an pneumatic or electric actuator no additional ignition source will be created. Hence, the conformity assessment pursuant to said Directive is omitted.

Disc		Liner / Seat		Backup		Body	
\mathbf{P}_{EXo}	PFA	\mathbf{P}_{EXo}	Virgin PTFE	S n.r.	Silicone (VMQ)	G _{EXi}	5.3103
\mathbf{C}_{EXi}	PFA, conductive (PFAc)	\mathbf{T}_{EXo}	Modified PTFE (mPTFE)	V _{n.r.}	FKM (Viton)	SEXi	Stainless Steel
S _{EXi}	Stainless Steel	C _{EXi}	Modified PTFE conductive (mPTFEc)	E n.r.	EPDM	C _{EXi}	Carbon Steel
F _{EXi}	Stainless Steel, polished	\bm{U}_{EXo}	UHMPE	D _{n.r.}	FKM, steam compliant	K _{EXi}	Duroplast (VECF)
J _{EXi}	Stainless Steel, polished	K _{EXi}	PTFE conductive (PTFEc)				
G _{EXi}	Stainless Steel, e-polished			<u>.</u>			
T _{EXi}	Titanium Grade 2						
\mathbf{H}_{EXi}	Hastelloy C						n.r. = not relevant

Audit report IBExU IB-13-8-014 of 22 February 2013 confirms that butterfly valves made of conductive disc materials (Codes "C", "S", "F", "J", "G", "T", "H"), conductive liner materials (Codes "C", "K"), conductive body materials (Codes "G", "S", "C", "K"), additional equipotential bonding connections between "stem-body" / "liner-body" and earth connector are not chargeable and hence do not have an inherent ignition source.

Type EXi:

Hence, butterfly valves with **conductive** materials used for disc, liner and body, with additional equipotential bonding connections between "stem-body" and "liner-body" and earth connector can be used within the Ex zones 0, 1, 2, 20, 21 and 22.

No restrictions regarding the operating media exist.

Type EXo:

Butterfly valves with **non-conductive** materials used for disc, liner and body, but still with additional equipotential bonding connection between "stem-body" and earth connector can be used within the Ex zones 0, 1, 2, 20, 21 and 22. As aerosols, liquid droplets or solid particles can cause dangerous electric potentials, these restrictions regarding the operating media apply:

a. The operating medium is not explosive, or

b. the medium is explosive, but an ultra-pure or at least a pure gas

Further information:

The Butterfly Valves Type CST may not be labelled with the specific ATEX marking (ATEX hexagon) nor with an Ex marking pursuant to Directive 2014/34/EU.

The requirements pursuant to TRBS (Technical Regulations on Industrial Safety and Health) 2153 Chapter 8 regarding grounding and potential equalisation must be observed!

It is absolutely essential to follow the instructions in the operating manual!

In case of after sales refurbishment the operator is responsible for that only accessories (actuators, limit switches, etc.) with designated conformity may be assembled.

Welschenrohr, december 07, 2016

Christoph Schmid Managing Director