



Confirmation of Leakage Rate

No. IS-AN5-MUC-2303-5010045327-001

ChemValve-Schmid AG
Valve Technology
Duennernstrasse 540
4716 Welschenrohr
Schweiz

we hereby confirm that the PTFE lined butterfly valve ChemFlyer I CST of the named company with regard to the properties according to

- TA-Luft (18.08.2021), § 5.2.6.4
- DIN EN ISO 15848-1 (07-2017)

has been verified and approved. Details can be found in the corresponding test report with the order no. 3731453.

The product fulfills the following requirements under the max. allowable operating conditions for the test medium helium defined by the manufacturer:

Tightness or compliance with the specific leakage rate as defined by the TA-Luft

$$\leq 1 \times 10^{-4} \text{ mbar} \times \text{l} \times \text{s}^{-1} \text{ m}^{-1} \text{ and } \leq 0,01 \text{ mg} \times \text{s}^{-1} \text{ m}^{-1}$$

Compliance and assessment based on the requirements of the TA-Luft and DIN EN ISO 15848-1

Housing seal: ≤ 50 ppmv
Classification in the tightness class: BH $\leq 10^{-4}$ mg \times s $^{-1}$ m $^{-1}$

Product description:

- ChemFlyer | CST
- PTFE lined butterfly valve
- Modular design
- DN 25 - 1200, 1" - 48"
- PN 10 - 16, Class 150, JIS 10 K



The product receives the marking according to the modular design:

The operating temperature and pressure must be adjusted to the corresponding values in the pressure / temperature diagram in the product brochure.

e. g. PFA disc, PTFE liner, VMQ insert, Ductile Iron housing:

ISO FE – BH – C060 – SSA0 – t (-20 °C/+200 °C) – PN16 – ISO 15848-1

Marking depending on the modular design:

| | |
|----------------------|--|
| C060: | 60'500 mechanical cycles (full stroke) |
| SSA0: | Number of readjustments: 0 |
| Temperature classes: | -60 °C to +200 °C |
| Nominal pressure: | According to product brochure pressure / temperature |

- Management instructions for installation, testing and maintenance of the sealing systems
- Type testing according to guideline VDI 2440 (11-2000) and DIN EN ISO 15848-1 (07-2017)

The attestation is based on the test programme of TA-Luft and DIN EN ISO 15848-1. This attestation includes the verification of flange gaskets and fittings with regard to tightness / leakage rate. This was proven by initial testing.

This confirmation is valid from December 2022 to March 2026.

Munich, 21 March 2023

TÜV SÜD Industrie Service GmbH
Institute for Plastics



i. A. Schweizer

