



Physical-Technical Testing Institute
Ostrava - Radvanice

Supplementary Type Examination Certificate No. 1

about verification of non-electrical apparatus for potentially explosive atmospheres

Type Examination Certificate number:

FTZÚ 14 Ex 0004

Product: **Butterfly valves - type series 900**

Manufacturer: **ABO valve, s.r.o., Dalimilova 285/54, 783 35 Olomouc, Czech Republic**

Applicant: **ABO valve, s.r.o., Dalimilova 285/54, 783 35 Olomouc, Czech Republic**

This supplementary certificate extends Certificate No. FTZÚ 14 Ex 0004 to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

Physical-Technical Testing Institute, Certification Body No. 3051 accredited by ČIA o.p.s. Prague according to ČSN EN ISO / IEC 17065: 2013 confirms that the above mentioned product is in conformity with the requirements of the following standards:

EN ISO 80079-36:2016, EN IEC 60079-0:2018

Manufacturer (or applicant) listed in the certificate is responsible for product conformity assurance in accordance with its specification (documentation) listed in this certificate and for successful performance of all specified routine tests and verification.

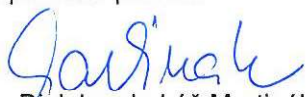
Product marking: **II 1/2G IIC T6 ... Tx* Ga/Gb**
II 1/2D IIIC T...* °C Da/Db

*) The actual maximum temperature does not depend on the product itself but on its operating conditions, in particular the operating medium temperature.

This supplementary certificate relates only to verification of non-electrical apparatus for potentially explosive atmospheres. Further requirements can be applied to the manufacturing process and supply of this product. These are not covered by this certificate.

This certificate is valid till: **30.04.2024**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 23.04.2019

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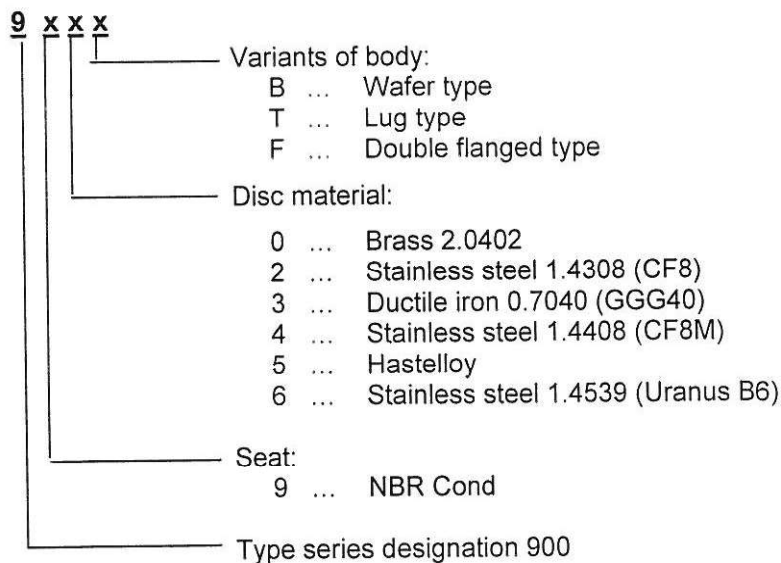
Description of product changes:

The subject of this supplementary certificate is:

- modification of certified product,
- product recertification according to the requirements of the mentioned standards,
- prolongation of certificate validity.

The product modification applies only to products of the DN 32 to DN 400 dimension series. The basis of the product modification is a design change related to securing the lower pivot of the butterfly disk. The original locking pin is replaced by a stopper plug. Remaining DN 450 to DN 1600 product dimension series are without design changes.

Review of recertified product variants:



Test report No.: 14/0004/1

Specific Conditions of Use: none

Responsible person:

Lukáš Martinák
Dipl. Ing. Lukáš Martinák
Head of Certification Body



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Essential conditions for use in hazardous areas:

1. The actual maximum temperature doesn't depend on the product itself but on its operating conditions, in particular on the operating medium temperature. The maximum temperature of butterfly valve in relation to the ignition temperature of explosive atmosphere will by comply with general requirements of EN 1127-1, cl. 6.4.2.
2. The butterfly valve will be grounded through its earthing clamp. Grounding will meet the requirements of CLC/TR 60079-32-1, cl. 13.
3. Other essential safety requirements are covered by the standards listed on the title page of this document.

List of documentation (only updated or new documentation is listed):

Number	Issue	Sheets	Date	Description
924T04090	A	1	14.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN32-40“
924B04000Z	B	1	12.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN32-40“
924T05000Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN050“
924B05000Z	A	1	12.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN050“
924T06500Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN065“
924B06500Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN065“
924T08000Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN080“
924B08000Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN080“
21823	A	1	14.03.2019	Drawing „Klapka s.900-úprava ATEX, světlost DN32-80“
924T10000Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN100“
924B10000Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN100“
21835	A	1	25.03.2019	Drawing „Klapka s.900-úprava ATEX, světlost DN100“
924T12500Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN125“
924B12500Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN125“
924T15000Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN150“

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List of documentation (continued):

Number	Issue	Sheets	Date	Description
924B15000Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN150“
21824	A	1	25.03.2019	Drawing „Klapka s.900-úprava ATEX, světlost DN125-150“
924T20000Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN200“
924B20000Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN200“
21836	A	1	25.03.2019	Drawing „Klapka s.900-úprava ATEX, světlost DN200“
924T2500010Z	A	1	14.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN250“
924B25000Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN250“
21838	A	1	25.03.2019	Drawing „Klapka s.900-úprava ATEX, světlost DN250“
924T3000010Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN300“
924B30000Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN300“
21839	A	1	25.03.2019	Drawing „Klapka s.900-úprava ATEX, světlost DN300“
924T3500010Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN350“
924B35000Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN350“
924T4000010Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN400“
924B40000Z	A	1	13.03.2019	Drawing „UZAVÍRACÍ KLAPKA s.900, světlost DN400“
21840	A	1	26.03.2019	Drawing „Klapka s.900-úprava ATEX, světlost DN350-400“
70130-x	-	1	24.06.2013	Drawing „Šroubek pro klapky ATEX“
70166-x	-	1	13.11.2013	Drawing „Šroubek pro klapky ATEX“
-	-	7	09.04.2019	Instruction for use

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