

CERTIFICATE

No. 30508401E/SW/02.07.2024

The valve with the brand name

11.3
NPS 2" / Class 600

of the manufacturer

XOMOX International GmbH & Co. OHG
DE – 88131 Lindau

was tested according to DIN EN ISO 15848-1 (dated 2017). The following sealing systems were used:

stem sealing(s):

- 1 pc. bellow; material: 1.4571; dimensions: Ø 42 x Ø 29 x 103 mm,
- 1 pc. packing; material: graphite; dimensions: Ø 30 x Ø 20 x 20 mm,
- 2 pcs. packing; material: graphite; dimensions: Ø 30 x Ø 20 x 5 mm.

body sealing(s):

- 1 pc. grooved gasket; material: 1.4571 / graphite; dimensions: Ø 87 Ø 73 x 2.5 mm.

In the laboratory of amtec a test with the test no. 24-423 was conducted under the following test conditions:

endurance class:	CO5	
test temperatures:	RT / 450	°C
test pressures:	102.1 / 57.6	bar
medium:	He	
tightness class:	AH	
mechanical cycles:	4500	pcs.
stem movement:	20	mm (stroke)
stem diameter D_0 :	20	mm
number of stem seal adjustments (SSA):	0	pcs.

The maximal leak rate measured with the helium leak detector during the test with 4500 mechanical cycles and 6 thermal cycles was $1.1 \cdot 10^{-7} \text{ mg/(s}\cdot\text{m)}$ for the stem sealing. The concentration for the body sealing was less than 50 ppmv.


The performance class of the tested valve is:

ISO FE AH – CO5 – SSA 0 – t400 (450 °C) – (102.1/57.6 bar) – ISO 15848-1

This qualification may be transferred to untested valves with a stem diameter of $D_0 / 2 \leq D \leq 2 \cdot D_0$, provided that the criteria listed in Chapter 8 of DIN EN ISO 15848-1 are met. This certificate is valid only in connection with the test report 3050841/- and the boundary conditions listed therein.

amtec Advanced Measurement Messtechnischer Service GmbH

Lauffen, July 2nd, 2024


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