

## CERTIFICATE

No. 30454402bE/SW/17.05.2021

The valve with the brand name

**ball valve type 2370 (DN25/PN16)**

of the manufacturer

**Viega GmbH & Co. KG  
DE – 57439 Attendorn**

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

shaft sealing:

- 2 x O-Ring; material: EPDM B1-4771; dimensions:  $\varnothing$  12.5 mm x  $\varnothing$  7.5 mm x 2.5 mm,
- 1 x sliding ring; material: PTFE G500; dimensions:  $\varnothing$  13.5 mm x  $\varnothing$  11.5 mm x 3 mm.

body sealing:

- 1 x body sealing; material: EPDM B1-4771;  
dimensions:  $\varnothing$  34.5 mm x  $\varnothing$  28.3 mm x 3.1 mm.

In the laboratory of amtec a test was conducted under the following test conditions:

test no.:	21-044	
endurance class:	CO1	isolating valve
temperature:	RT / 110	°C
test pressure:	16 / 16	bar
medium:	He	
tightness class:	BH	
mechanical cycles:	205	pcs.
shaft motion:	90	° (rotation)
shaft diameter $D_0$ :	11.5	mm
number of shaft seal adjustments (SSA):	0	pcs.

The maximal leak rate measured with the helium leak detector during the test with 205 mechanical cycles and 2 thermal cycles was  **$6.8 \cdot 10^{-5}$  mg/(s·m)** for the shaft sealing. The concentration for the body sealing was less than 50 ppmv.

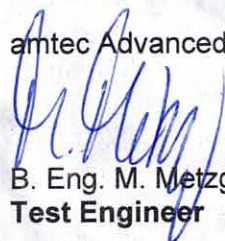
The performance class of the tested valve is:

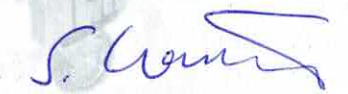
**ISO FE BH – CO1 – SSA 0 – tRT (110 °C) – (16/16 bar) – ISO 15848-1**

This qualification may be transferred to untested valves with a shaft 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 3045444/b and the boundary conditions listed therein.

amtec Advanced Measurement Messtechnischer Service GmbH

Lauffen, May 17<sup>th</sup> 2021

  
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