



ITIS B.V.
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ITIS Certificate
 201600123-C004



Industrie Service

VALVE TEST QUALIFICATION CERTIFICATE


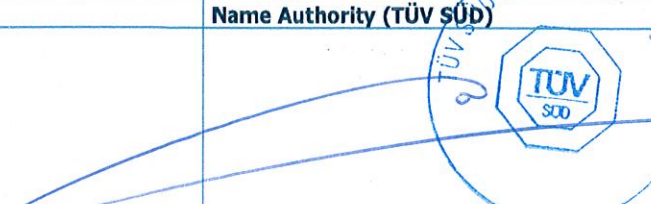
This certificate is to certify that the measured leak rates during the endurance test at room temperature on the test valve below, were within the limits according to the requirements of TA LUFT (Technische Anleitung zur Luft par. 5.2.6.4) Vom 24. Juli 2002 and VDI 2440 par. 3.3.1.3 November 2000 for 205 cycles at room temperature.

Test valve details

Manufacturer : ATEC Armaturenbau und Technik GmbH
 Address : Raiffeisenße 29, 55270 Klei-Winterheim, Germany
 Nominal size : DN50
 Pressure rating : PN40
 Valve Type : Ball Valve
 Valve serial type : Alpha
 Drawing number : 2W050F-00-Type Alpha rev.1 date: 04-12-2013
 Body material : 1.4404
 Body seal mat. : O-ring Viton (88.57 x 2.62)
 Stem material : 1.4404
 Stem seal material 1st : O-ring Viton (15.54 x 2.62)
 Stem seal material 2nd : PTFE (27.9/19.5 x 3)
 Stem seal material 3rd : Graphite (28/19.5 x 4)
 Stem seal brand : Angst & Pfister
 Stem surface finish : Rz 3.2µm
 Stem diameter (OD_{stem}) : 19.5mm
 Stud bolt material : A2-70
 Gland torque : 20Nm at start of the tests.
 Actuator : n.a.

Description	Tested valve
Stem Seal Material Type	Graphite
Stem surface finish	Rz 3.2µm
Gland torque	20Nm
Stem Diameter	19.5mm
Stem motion	Quarter turn
Body seal	O-ring Viton
Class	PN40
Temperature Class	Room Temperature

This certificate is only valid in conjunction with the full ITIS BV test report number 201600123-R004

Name (ITIS)		Name Authority (TÜV SÜD)	
<input checked="" type="checkbox"/> TESTED <input type="checkbox"/> REVIEW <input type="checkbox"/> WITNESSED Date/Signature  J. Meijjer Industrial Testing & Inspection Services 11-01-2017		 I. van Remoortere TÜV SÜD Industrie Service GmbH 11-01-2017	



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ITIS Certificate
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Industrie Service

VALVE TEST QUALIFICATION CERTIFICATE

This certificate is to certify that the measured leak rates during the endurance test at room temperature on the test valve below, were within the limits according to the requirements of TA LUFT (Technische Anleitung zur Luft par. 5.2.6.4) Vom 24. Juli 2002 and VDI 2440 par. 3.3.1.3 November 2000 for 205 cycles at room temperature.

Test valve details

Manufacturer : ATEC Armaturenbau und Technik GmbH
 Address : Raiffeisenße 29, 55270 Klei-Winterheim, Germany
 Nominal size : DN50
 Pressure rating : PN40
 Valve Type : Ball Valve
 Valve serial type : Beta
 Drawing number : E2W050F-00-Type Beta rev.1 date: 07-10-14
 Body material : 1.4404
 Body seal mat. : O-ring Viton/FDA (88.57 x 2.62)
 Stem material : 1.4404
 Stem seal material 1st : O-ring Viton/FDA (15.54 x 2.62)
 Stem seal material 2nd : PTFE/FDA (28/19.5 x 11.4)
 Stem seal brand : Angst & Pfister
 Stem surface finish : Rz 3.2µm
 Stem diameter (OD_{stem}) : 19.5mm
 Stud bolt material : A2-70
 Gland torque : 20Nm at start of the tests.
 Actuator : n.a.

Description	Tested valve
Stem Seal Material Type	PTFE/FDA (28/19.5 x 11.4)
Stem surface finish	Rz 3.2µm
Gland torque	20Nm
Stem Diameter	19.5mm
Stem motion	Quarter turn
Body seal	O-ring Viton/FDA (88.57 x 2.62)
Class	PN40
Temperature Class	Room Temperature

This certificate is only valid in conjunction with the full ITIS BV test report number 201600123-R002

<p>Name (ITIS)</p> <p>J. Meijer</p> <p>Industrial Testing & Inspection Services</p> <p>11-01-2017</p> <p> <input checked="" type="checkbox"/> TESTED <input type="checkbox"/> REVIEW <input type="checkbox"/> WITNESSED Date/Signature </p>		<p>Name Authority (TÜV SÜD)</p> <p>I. van Remoortere</p> <p>11-01-2017</p> <p>TÜV SÜD Industrie Service GmbH</p> <p>TÜV SÜD</p>
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**ITIS B.V.**

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ITIS Certificate
 201600123-C006



Industrie Service

VALVE TEST QUALIFICATION CERTIFICATE



This certificate is to certify that the measured leak rates during the endurance test at room temperature on the test valve below, were within the limits according to the requirements of TA LUFT (Technische Anleitung zur Luft par. 5.2.6.4) Vom 24. Juli 2002 and VDI 2440 par. 3.3.1.3 November 2000 for 205 cycles at room temperature.

Test valve details

Manufacturer : ATEC Armaturenbau und Technik GmbH
 Address : Raiffeisenße 29, 55270 Klei-Winterheim, Germany
 Nominal size : DN50
 Pressure rating : PN16
 Valve Type : Ball Valve
 Valve serial type : Gamma
 Drawing number : Bo050L-00-Type Gamma rev.1 date: 29-08-2013
 Body material : 1.4404
 Body gaskets mat. : O-ring Viton (58.42 x 2.62)
 Stem material : 1.4404
 Stem seal material 1st : O-ring Viton (13.95 x 2.62)
 Stem seal material 2nd : Graphite
 Stem seal material 3rd : PTFE (28/19.5 x 3)
 Stem seal brand : Angst & Pfister
 Stem diameter (OD_{stem}) : 19.5mm
 Stud bolt material : A2-70
 Gland torque : 20Nm at start of the tests.
 Actuator : n.a.

Description	Tested valve
Stem Seal Material Type	PTFE
Gland torque	20Nm
Stem Diameter	19.5mm
Stem motion	Quarter turn
Body seal	O-ring
Class	PN16
Temperature Class	Room Temperature

This certificate is only valid in conjunction with the full ITIS BV test report number 201600123-R006

Name (ITIS)  J. Meijer Industrial Testing & Inspection Services	Name Authority (TUV SUD)  I. van Remoortere 11-01-2017
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