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ITIS Certificate
201400195-C001



Industrie Service

API607 AND ISO 10497 FIRE TEST QUALIFICATION CERTIFICATE

This certificate is to certify that the valve below has been tested in accordance with, and meets all requirements stated in API Standard 607, sixth edition September 2010; Fire test for quarter turn valves and valves with non metallic seats, and ISO 10497 third edition 2010-02-15 Testing of valves - Fire- type testing requirements

Test valve details

Manufacturer : Metso Automation Oy
Address : Vanha Porvoontie 229, 01380 Vantaa
Nominal size : DN50
Pressure rating : 150lbs
Flow direction : Bi-directional
Seat Type : Asymmetric (test direction, see attached drawing)
Type : Ball Valve
Weight : 15kg
Bore : Full
Drawing number : F38437 rev A (19-03-2014)
Body material : A216-WCB
Body gasket : Spiral Wound AISI 316+Graphite
Stud bolt material : A320-L7M
Ball material : A351-CF8M+HCr
Seat material : AISI 316 Alloy 6
Stem material : A479 gr. XM-19
Stem seal material : Graphite 3x
Identification No. : 201400195001 (by ITIS)
Markings on valve : Body material, heat no. and Serial number on valve body
Gearbox : n.a.

Scope of other sizes, pressures and materials qualified by this test.

For material qualification see paragraph 7.2 in report mentioned below.

Tested valve	7.3 Nominal Size	7.4 Pressure rating
NPS2 class 150 DN50	NPS2 and below, 2½, 3 and 4 DN50 and below, 65, 80 and 100	Class 150 and 300 PN10, PN16, PN25 and PN40

This certificate is only valid in conjunction with the full ITIS BV test report number 201400195-R001

Signature operator (ITIS)

J. Meijer

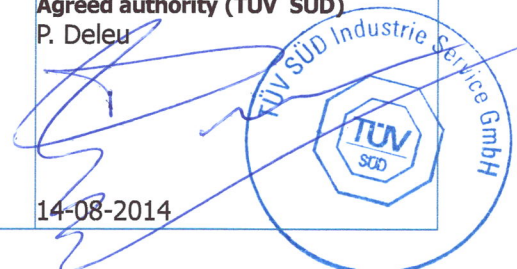


J. Meijer

14-08-2014

Agreed authority (TÜV SÜD)

P. Deleu



14-08-2014



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ITIS Certificate
201400195-C002



Industrie Service

API607 AND ISO 10497 FIRE TEST QUALIFICATION CERTIFICATE

This certificate is to certify that the valve below has been tested in accordance with, and meets all requirements stated in API Standard 607, sixth edition September 2010; Fire test for quarter turn valves and valves with non metallic seats, and ISO 10497 third edition 2010-02-15 Testing of valves - Fire- type testing requirements

Test valve details

Manufacturer : Metso Automation Oy
Address : Vanha Porvoontie 229, 01380 Vantaa
Nominal size : DN50
Pressure rating : 150lbs
Flow direction : Bi- directional
Seat Type : Asymmetric (test direction, see attached drawing)
Type : Ball Valve
Weight : 15kg
Bore : Full
Drawing number : F38437 rev A (19-03-2014)
Body material : A216-WCB
Body gasket : Spiral Wound 316+Graphite
Stud bolt material : A320-L7M
Ball material : A351-CF8M+HCr
Seat material : AISI 316 Alloy 6
Stem material : A479, XM-19
Stem seal material : Graphite 3x
Identification No. : 201400195002 (by ITIS)
Markings on valve : Body material, heat no. and Serial number on valve body
Gearbox : n.a.

Scope of other sizes, pressures and materials qualified by this test.

For material qualification see paragraph 7.2 in report mentioned below.

Tested valve	7.3 Nominal Size	7.4 Pressure rating
NPS2 class 150 DN50	NPS2 and below, 2½, 3 and 4 DN50 and below, 65, 80 and 100	Class 150 and 300 PN10, PN16, PN25 and PN40

This certificate is only valid in conjunction with the full ITIS BV test report number 201400195-R002

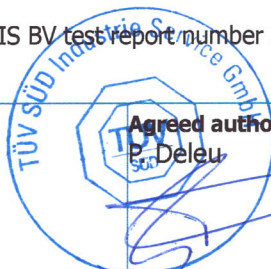
Signature operator (ITIS)

J. Meijer

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Agreed authority (TÜV SÜD)

P. Deleu



14-08-2014