



Industrie Service

ITIS B.V.
 Daniëlsweg 6
 NL-4451 HP Heinkenszand
 T + 31 113 568515
 info@itis-nl.com
 www.itis-nl.com

ITIS Certificate
 201400195-C011



ISO 15848-1 QUALIFICATION CERTIFICATE

This certificate is to certify that the valve below has been tested according to standard: Industrial valves - Measurement, test and qualification procedures for fugitive emissions - Part 1: Classification system and qualification procedures for type testing of valves (ISO 15848-1:2006)

Test valve details

Manufacturer : Metso Automation Oy
 Address : Vanha Porvoontie 229, 01380 Vantaa, Finland
 Nominal size : 6inch
 Pressure rating : Class 300
 Valve Type : Ball valve
 Serial number : 201400195011
 Drawing numbers : F04398 (18-10-2012)
 Body material : A216-WCB
 Seat material : EN10088-1.4418 + ALL 50Nb
 Stem material : ASTM A479 Gr.XM-19
 Stem seal material : Graphite 4x
 Inside diameter 40 mm
 Outside diameter 52.7 mm
 Stem diameter (OD_{stem}) : 40 mm [+0/-0.2 mm] qualifies 50% to 200% stem diameter design: see par. 8 of ISO 15848-1
 Stem seal chamber : Ø52.7 mm
 Gland stud 2x : ASTM A453 Gr.660, size: 3/8" UNCX80
 Gland nut 2x : ASTM A453 Gr.660, size 3/8" UNC-2B

Valve qualification range: (see par. 8 of ISO 15848-1)

Description	Tested valve	Scope
Stem Seal Material Type	Graphite	Graphite
Stem Diameter	40 mm [+0/-0.2 mm]	20 – 80 mm
Class	300	CL150, 300
Temperature Class	tRT, 400°C	tRT, 400°C
Tightness Class	CH	CH
Performance class: ISO FE CH — C03 — SSA 2 — t(RT, 400°C) — CL300 — ISO 15848-1		

This certificate must be read in conjunction with the full ITIS BV test report number 201400195-R011

Name (ITIS) P.C. van Tol ☒ TESTED ☐ REVIEW ☐ WITNESSED Date/Signature 23-10-2014 Industrial Testing & Inspection Services		Name authority (TUV SUD) P. Deleu 23-10-2014
---	--	---