

SHREWSBURY, MA

To: File
From: Ken Sundberg
Subject: API 607 7TH Edition Fire Test Certificate for 2" – 6" (DN50 – DN150) 9150, 2" – 4" (DN50 – DN100) 9300 & 8" 7150 (DN200) Emission-Pak® Model C

Memo: FTB-091-1
Date: January 9, 2017
Revision: 0

This is to certify that at the request of Metso Flow Control, the undersigned Professional Engineer did witness the fire test on the following Jamesbury brand valve at the facility in Shrewsbury, Massachusetts.

Particulars of Certified Valve:

Product Code: 2 9150LL312236XTZ1C
Type: Full Bore Flanged Split-Body Emission-Pak® Ball Valve
Series: 9000
Size: 2"
Pressure Class: ASME B16.34 CL150
Body Cold Working Pressure: 285 psi
Valve Operating Device: Manual Gear Actuator

WR20161247

Product Code: 4 9150LL313600XTZ2C
Type: Full Bore Flanged Split-Body Emission-Pak® Ball Valve
Series: 9000
Size: 4"
Pressure Class: ASME B16.34 CL150
Body Cold Working Pressure: 275 psi
Valve Operating Device: Manual Gear Actuator

WR20161785

Product Code: 6 9150LL312236XTZ1C
Type: Full Bore Flanged Split-Body Emission-Pak® Ball Valve
Series: 9000
Size: 6"
Pressure Class: ASME B16.34 CL150
Body Cold Working Pressure: 285 psi
Valve Operating Device: Manual Gear Actuator

WR20161770
Materials of Certified Valve:

Body, Insert, Cap: Carbon Steel
Ball: Stainless Steel
Stem: Stainless Steel
Seats: Xtreme
Stem Seals/Stem Packing: TFM
Stem Bearings: MTFE
Secondary Stem Seal: Graphite
Compression Plate/Ring: Stainless Steel
Body Seal: Flexitallic Graphite
Body Joint Fasteners: ASTM A193, Gr. B7
Gland Fasteners: ASTM A193, Gr. B8
Stem Retainer Seal: TFM + Graphite
Live Loaded Disc Springs: AMS 5596 UNS N07718

Body, Insert, Cap: Stainless Steel
Ball: Stainless Steel
Stem: Stainless Steel
Seats: Xtreme
Stem Seals/Stem Packing: TFM
Stem Bearings: MTFE
Secondary Stem Seal: Graphite
Compression Plate/Ring: Stainless Steel
Body Seal: Flexitallic Graphite
Body Joint Fasteners: ASTM A193, Gr. B8
Gland Fasteners: ASTM A193, Gr. B8
Stem Retainer Seal: TFM + Graphite
Live Loaded Disc Springs: AMS 5596 UNS N07718

Body, Insert, Cap: Stainless Steel
Ball: Stainless Steel
Stem: Stainless Steel
Seats: Xtreme
Stem Seals/Stem Packing: TFM
Stem Bearings: MTFE
Secondary Stem Seal: Graphite
Compression Plate/Ring: Stainless Steel
Body Seal: Flexitallic Graphite
Body Joint Fasteners: ASTM A193, Gr. B7
Gland Fasteners: ASTM A193, Gr. B8
Stem Retainer Seal: TFM + Graphite
Live Loaded Disc Springs: AMS 5596 UNS N07718

Testing:

The manufacturer selected the test valve.

The testing completed meets the requirements of API 607, 7th Edition, dated June 2016.

Throughout the test the valve performed satisfactorily and met all the requirements of the above standard.

Visual examination after the test confirmed that the design was in accordance with the manufacturer's drawings and parts list.

This testing was done under work requests WR20161247, WR20161770 & WR20161785.

Valves Qualified by this Test:

Size	Series	Emission-Pak® Type		Construction Code	Body Material	Ball/Stem Material	Seat/Seal	Bolt Code	Model	Pressure Class
2" (DN50)	9150/9180	LA	LL	31	22	36 HB	XTZ	1	C	CL150 CL300
3" (DN80)		LC	L1		25		TTT	2		
4" (DN100)		LN	LS		26		MTT	5		
6" (DN150)		LV	LB		28		ZTT	6		
2" (DN50)	9300/9380	LW	LJ	35	35	36	ZTZ	7		
3" (DN80)		LX	LG		36			D		
4" (DN100)								F		
8" (DN200)	7150/7180									



Paul E. Sonier, P.E. 01/09/2017

Paul E. Sonier, P.E.
Massachusetts State License No. 27539