

Jamesbury™ flanged ball valves Series 7000 & 9000

Series 7000, Model A, Standard Bore,
Class 150 & 300, 1/2" - 2" (DN 15 - 50);

Series 9000, Model A, Full Bore,
Class 150 & 300, 1/2" - 1-1/2" (DN 15 - 40);
with ISO bonnet

Installation, maintenance and
operating instructions

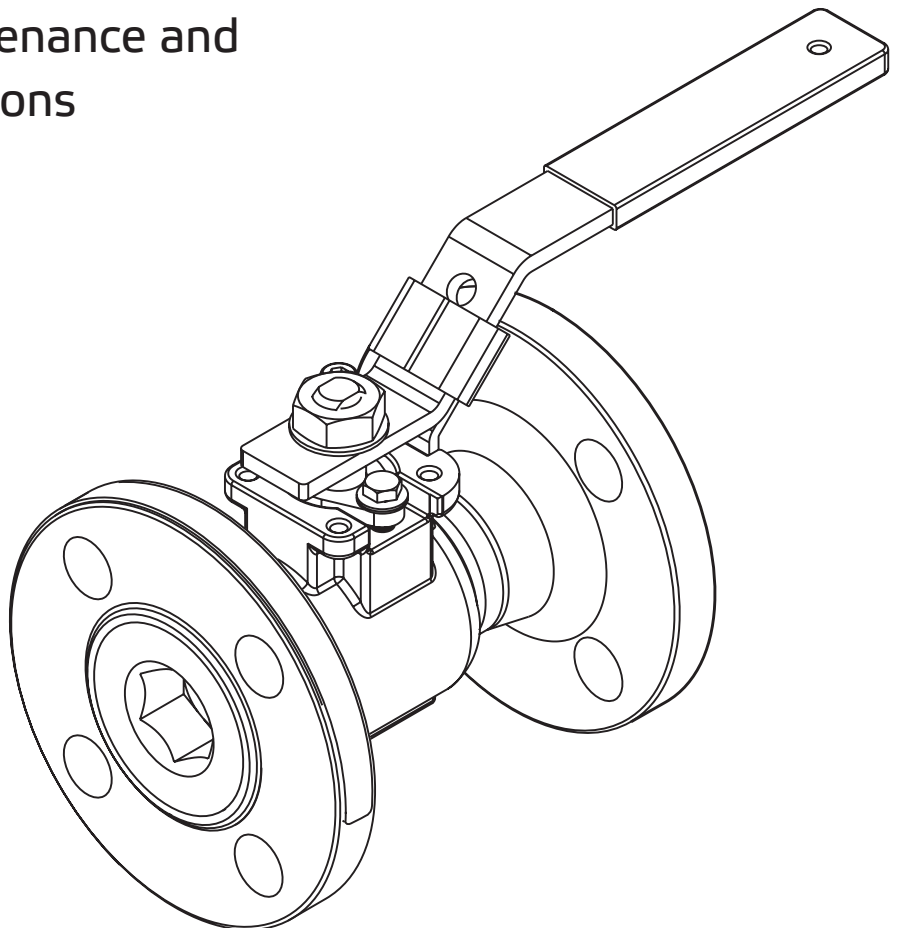


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READ THESE INSTRUCTIONS FIRST!

These instructions provide information about safe handling and operation of the valve.

If you require additional assistance, please contact the manufacturer or manufacturer's representative.

SAVE THESE INSTRUCTIONS!

Addresses and phone numbers are printed on the back cover.

1. GENERAL

This instruction manual contains important information regarding the installation, operation and troubleshooting of the Jamesbury™ 1/2" – 2" (DN 15 – 50) Standard Bore Series 7000 and the 1/2" – 1-1/2" (DN 15 – 40) Full Bore Series 9000 Flanged Ball Valves with ISO Bonnet. Please read these instructions carefully and save for further reference.

WARNING:

AS THE USE OF THE VALVE IS APPLICATION SPECIFIC, A NUMBER OF FACTORS SHOULD BE TAKEN INTO ACCOUNT WHEN SELECTING A VALVE FOR A GIVEN APPLICATION. THEREFORE, SOME OF THE SITUATIONS IN WHICH THE VALVES ARE USED ARE OUTSIDE THE SCOPE OF THIS MANUAL.

IF YOU HAVE ANY QUESTIONS CONCERNING THE USE, APPLICATION OR COMPATIBILITY OF THE VALVE WITH THE INTENDED SERVICE, CONTACT VALMET FOR MORE INFORMATION.

1.1 SAFETY PRECAUTIONS

WARNING:

DO NOT EXCEED THE VALVE PERFORMANCE LIMITATIONS!

EXCEEDING THE PRESSURE OR TEMPERATURE LIMITATIONS MARKED ON THE VALVE IDENTIFICATION PLATE MAY CAUSE DAMAGE AND LEAD TO UNCONTROLLED PRESSURE RELEASE, DAMAGE OR PERSONAL INJURY MAY RESULT.

WARNING:

SEAT AND BODY RATINGS!

THE PRACTICAL AND SAFE USE OF THIS PRODUCT IS DETERMINED BY BOTH THE SEAT AND BODY RATINGS. READ THE IDENTIFICATION PLATE AND CHECK BOTH RATINGS. THIS PRODUCT IS AVAILABLE WITH A VARIETY OF SEAT MATERIALS.

SOME OF THE SEAT MATERIALS HAVE PRESSURE RATINGS THAT ARE LESS THAN THE BODY RATINGS. ALL OF THE BODY AND SEAT RATINGS ARE DEPENDENT ON VALVE TYPE AND SIZE, SEAT MATERIAL, AND TEMPERATURE. DO NOT EXCEED THESE RATINGS!

WARNING:

BEWARE OF BALL MOVEMENT!

KEEP HANDS, OTHER PARTS OF THE BODY, TOOLS AND OTHER OBJECTS OUT OF THE OPEN FLOW PORT. LEAVE NO FOREIGN OBJECTS INSIDE THE PIPELINE. WHEN THE VALVE IS ACTUATED, THE BALL FUNCTIONS AS A CUTTING DEVICE. DISCONNECT ANY PNEUMATIC SUPPLY LINES, ANY ELECTRICAL POWER SOURCES AND MAKE SURE SPRINGS IN SPRINGRETURN ACTUATORS ARE IN THE FULL EXTENDED/ RELAXED STATE BEFORE PERFORMING ANY VALVE MAINTENANCE. FAILURE TO DO THIS MAY RESULT IN DAMAGE OR PERSONAL INJURY!

WARNING:

WHEN HANDLING THE VALVE OR VALVE/ACTUATOR ASSEMBLY, TAKE ITS WEIGHT INTO ACCOUNT! REFERENCE THE APPLICABLE TECHNICAL BULLETIN FOR VALVE WEIGHTS.

NEVER LIFT THE VALVE OR VALVE/ACTUATOR ASSEMBLY BY THE ACTUATOR, POSITIONER, LIMIT SWITCH OR THEIR PIPING. PLACE LIFTING DEVICES SECURELY AROUND THE VALVE BODY. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN DAMAGE OR PERSONAL INJURY FROM FALLING PARTS (SEE FIGURE 2).

2. INSTALLATION

1. Place valve in OPEN position.
2. Valve may be installed for flow in either direction. However, it is recommended that the valve be installed with the insert facing upstream.

WARNING:

THE VALVE SHOULD BE TIGHTENED BETWEEN FLANGES USING APPROPRIATE GASKETS AND FASTENERS COMPATIBLE WITH THE APPLICATION, AND IN COMPLIANCE WITH APPLICABLE PIPING CODES AND STANDARDS. CENTER THE FLANGE GASKETS CAREFULLY WHEN FITTING THE VALVE BETWEEN FLANGES. DO NOT ATTEMPT TO CORRECT PIPELINE MISALIGNMENT BY MEANS OF FLANGE BOLTING!

3. MAINTENANCE

Although Jamesbury valves are designed to work under severe conditions, proper preventative maintenance can significantly help to prevent unplanned downtime and in real terms reduce the total cost of ownership. Valmet recommends inspecting valves at least every five (5) years. The inspection and maintenance frequency depends on the actual application and process condition.

WARNING

FOR YOUR SAFETY, TAKE THE FOLLOWING PRECAUTIONS BEFORE REMOVING THE VALVE FROM THE LINE, OR BEFORE ANY DISASSEMBLY.

1. DURING REMOVAL AND DISASSEMBLY, WEAR ANY PROTECTIVE EQUIPMENT NORMALLY REQUIRED TO PROTECT AGAINST DISCHARGE OF TRAPPED FLUID.
2. DEPRESSURIZE THE LINE AND VALVE AS FOLLOWS:
 - A. PLACE THE VALVE IN THE OPEN POSITION AND DRAIN THE LINE.
 - B. CYCLE THE VALVE TO RELIEVE RESIDUAL PRESSURE IN THE BODY CAVITY BEFORE REMOVAL FROM THE LINE.
 - C. AFTER REMOVAL AND BEFORE ANY DISASSEMBLY, CYCLE THE VALVE AGAIN SEVERAL TIMES.

NOTE: OPTIONAL ROUND AND OVAL HANDLES ARE AVAILABLE FOR THESE VALVES IN PLACE OF LEVER HANDLES.

1. **Routine maintenance** consists of tightening the compression plate hex head cap screws periodically to compensate for the wear caused by the stem turning against the stem seals. Check to make sure that the compression plate hex head cap screws are tightened to the torque listed in (Table 1).

Table 1A		
Hex Head Cap Screw Torque Standard Bore Series 7000		
Valve Size	Torque IN•LBS	Torque N•m
1/2" & 3/4" (DN 15 & 20)	15	1.7
1" (DN 25)	20	2.3
1-1/2" & 2" (DN 40 & 50)	32	3.6

Table 1B		
Hex Head Cap Screw Torque Full Bore Series 9000		
Valve Size	Torque IN•LBS	Torque N•m
1/2" (DN 15)	15	1.7
3/4" & 1" (DN 20 & 25)	20	2.3
1-1/2" (DN 40)	32	3.6

2. **Overhaul maintenance** consists of replacing seats and seals. A standard Repair Kit consisting of these parts may be obtained from your Valmet distributor (See Table 8).

NOTE: Repair Kits contain the seats and stem seals for both the fire-tested and non-fire-tested valves. Refer to the Assembly Section for details on the correct installation of these parts.

3.1 DISASSEMBLY

1. Comply fully with the steps in the **WARNING** sections prior to working on the valve.
2. Open and close the valve and leave in the closed position.
3. Remove the handle nut (16), lockwasher (19), and handle (17).
4. Remove hex head cap screws (29), disc springs (31) and compression plate (20).
5. Clamp the valve body (1) securely in a vise.
6. Unscrew and remove the insert (2). **NOTE:** Use caution when loosening the insert, especially during the initial break.
7. Remove and discard the old body seal (6). Be careful not to damage the sealing surfaces. May include support ring (9) used with graphite seal.
8. With the ball in the closed position, remove ball (3) and seats (5). **NOTE:** A piece of wood or other soft material may be used to unseat the parts from the opposite side. Be careful not to damage the ball or seating surfaces in the body.
9. Push the stem (4) into the body (1) and remove it through the open end.
10. Carefully pry out and discard the stem seal (8) and stem bearing (24) being careful not to damage the bearing surfaces. **NOTE:** Fire-Tite® construction contains a secondary stem seal (7) and 2 stem bearings (13), in place of the non-Fire-Tite stem bearing (24). Also PEEK® seats have an additional upper stem bearing (10) and an anti extrusion ring (55).

3.2 ASSEMBLY

NOTE: Repair Kits contain replacement seals for Fire-Tite and non-Fire-Tite constructions.

1. Inspect the parts to ensure sealing surfaces are in good condition and all parts are properly cleaned and prepared for assembly.
2. Clamp the body (1) securely in a vise with the body joint opening facing up.
3. Insert the seat (5) into the body (1) with the flat side down, as shown in (Figure 2).
4. Place the stem bearing (24) on the stem (4).
NOTE: Fire-Tite valves have 2 stem bearings (13) and a secondary stem seal (7) as shown in (Figure 1).
5. Insert the stem (4) with the bearing(s) into the valve body and through the stem bore in the body, as shown in (Figure 1).
6. Holding the stem in place from the inside, install the stem seal (8) and the compression plate (20). For PEEK seats, install upper bearing (10) and anti extrusion ring (55) into the packing bore prior to installing the stem seal (8).
7. Place the disc springs (31) on the hex head cap screws (29). Disc spring orientation is shown in (Figure 1). Install the hex head cap screws through the compression plate and bring them down hand tight.
8. While pressing the stem (4) outward from inside the body, tighten the hex head cap screws to the torque provided in (Table 1). Apply torque evenly, alternating between the two cap screws so that the compression plate will be parallel with the valve body bonnet.

9. Align the stem to the ball slot. Insert the ball (3) so that the internal stem blade fits into the ball slot.
10. Insert the second seat (5) with the flat facing up. Insert the body seal (6). **NOTE:** Some sizes of graphite body seals contain an additional support ring (9). Install support ring (9) prior to inserting body seal (6).
11. Screw the insert (2) into the body (1) and tighten to the Torque listed in (**Table 2**).
12. With ball (3) in the open position, install handle (17) over the non-insert flange, lockwasher (19) and handle nut (16) and tighten to torque listed in (**Table 3**). Handle **MUST** be in this orientation as shown in (**Figure 1**).
13. Cycle the valve slowly to ensure smooth operation.

3.3 TESTING THE VALVE

WARNING:

WHEN PRESSURE TESTING, EXERCISE CAUTION AND MAKE SURE ALL EQUIPMENT USED IS IN GOOD WORKING CONDITION AND APPROPRIATE FOR THE INTENDED PRESSURE.

If the valve is to be tested prior to returning to service make sure the test pressures are in accordance with an applicable standard.

When testing the valve for external tightness, keep the ball in the half open position.

If testing the valve seat tightness, please contact Valmet for advice.

WARNING:

WHEN PERFORMING ANY TESTS, NEVER EXCEED THE MAXIMUM OPERATING PRESSURE OR MAXIMUM SHUT-OFF PRESSURE LISTED ON THE IDENTIFICATION PLATE!

Table 2A	
Insert Torques Standard Bore Series 7000	
Valve Size	Torque – FT•LBS (N•m)
Inches (DN)	
1/2 – 3/4 (15 – 20)	100 (136)
1 (25)	150 (203)
1-1/2 (40)	250 (339)
2 (50)	350 (476)

Table 2B	
Insert Torques Full Bore Series 9000	
Valve Size	Torque – FT•LBS (N•m)
Inches (DN)	
1/2 (15)	100 (136)
3/4 (20)	150 (203)
1 (25)	200 (271)
1-1/2 (40)	350 (476)

Table 3A	
Handle Nut Torque Standard Bore Series 7000	
Valve Size	Torque – FT•LBS (N•m)
Inches (DN)	
1/2 – 3/4 (15 – 20)	9 (12)
1 (25)	23 (31)
1-1/2 (40 – 50)	33 (45)

Table 3B	
Handle Nut Torque Full Bore Series 9000	
Valve Size	Torque – FT•LBS (N•m)
Inches (DN)	
1/2 (15)	9 (12)
3/4 – 1 (20 – 25)	23 (31)
1-1/2 (40)	33 (45)

4. EXPLODED VIEW AND PARTS

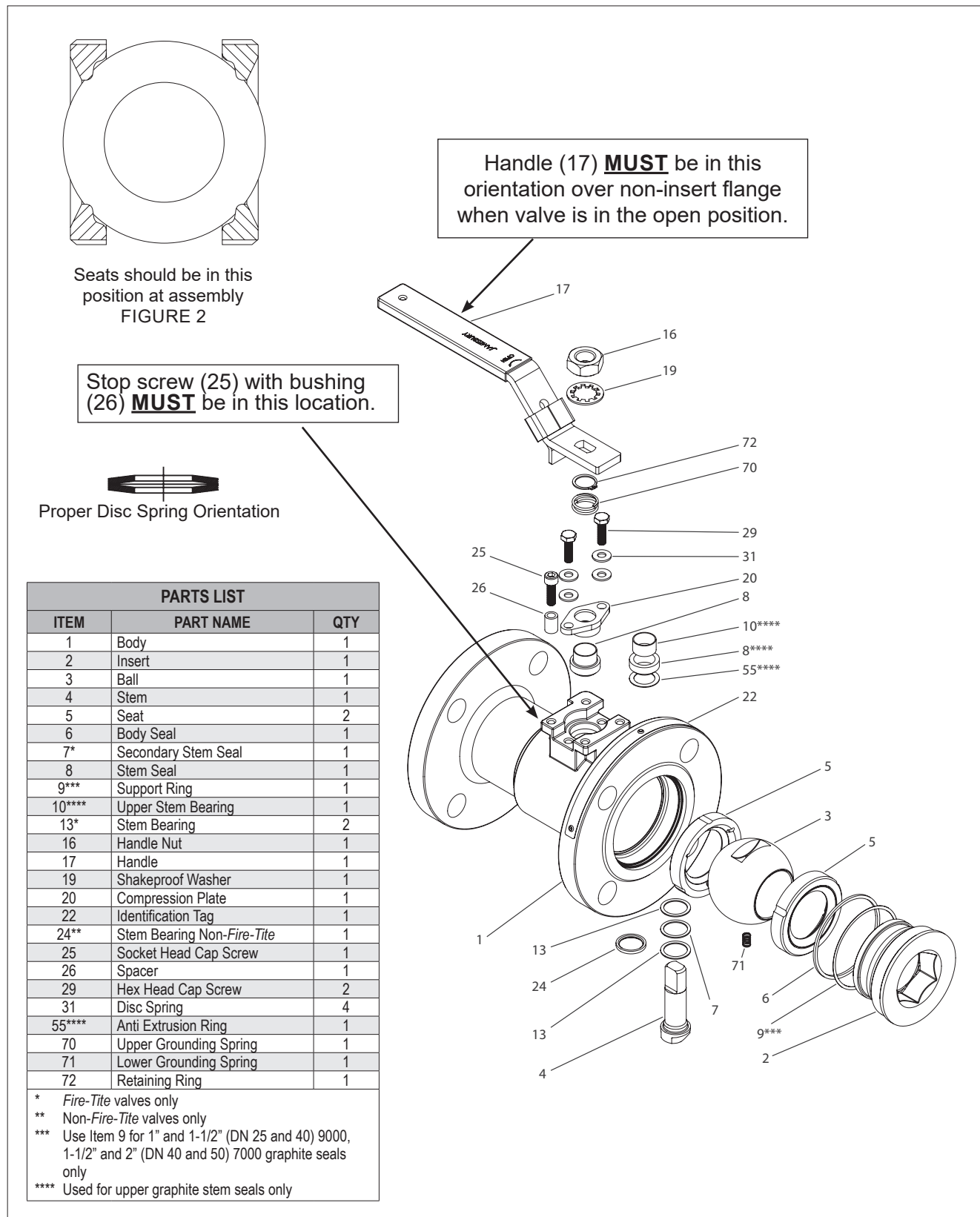


Figure 1.

5. ACTUATOR MOUNTING

When these valves are equipped with an actuator, and the actuator is removed to service valve, proper alignment of the actuator driver and valve stem is essential when the actuator is remounted.

5.1 GENERAL

These mounting instructions describe the steps required to assemble the Jamesbury ½" – 2" (DN15-50) Standard Bore, Class 150 and 300, Series 7000 Mod A and ½" – 1 ½" (DN15-40) Full Bore, Class 150 and 300, Series 9000 Mod A Flanged Ball Valves to Jamesbury and Neles actuators. Linkage kits that are needed to mount specific Jamesbury and Neles actuators to different types and sizes of Jamesbury Valves can be identified by Valmet or your authorized Valmet Distributor. These linkages can be classified into two different types, Bearing Supported Adapter and No-Play Coupling. Mounting instructions are provided for each type in this section, examples of standard Jamesbury and Neles actuator linkage types are listed in the table below.

Linkage Type	Applicable Jamesbury Actuators	Applicable Neles Actuators
Bearing Supported Adapter	MGR, QPX_K_, VPVL	B1J, B1C, M Gear
No-Play Coupling	QPX_/M, Torq-Handle	N/A

WARNING:

FOR YOUR SAFETY IT IS IMPORTANT THAT THE FOLLOWING PRECAUTIONS BE TAKEN!

BEFORE INSTALLING THE VALVE AND ACTUATOR, BE SURE THE INDICATOR POINTER ON TOP OF THE ACTUATOR IS CORRECTLY INDICATING THE VALVE'S POSITION. FAILURE TO ASSEMBLE THESE TO INDICATE THE CORRECT VALVE POSITION COULD RESULT IN DAMAGE OR PERSONAL INJURY!

WHEN INSTALLING A LINKAGE KIT OR SERVICING THE VALVE/ACTUATOR ASSEMBLY, THE BEST PRACTICE IS TO REMOVE THE ENTIRE ASSEMBLY FROM SERVICE! AN ACTUATOR SHOULD BE REMOUNTED ON THE SAME VALVE FROM WHICH IT WAS REMOVED. THE ACTUATOR MUST BE ADJUSTED FOR THE PROPER "OPEN" AND "CLOSE" POSITIONS EACH TIME IT IS REMOVED!

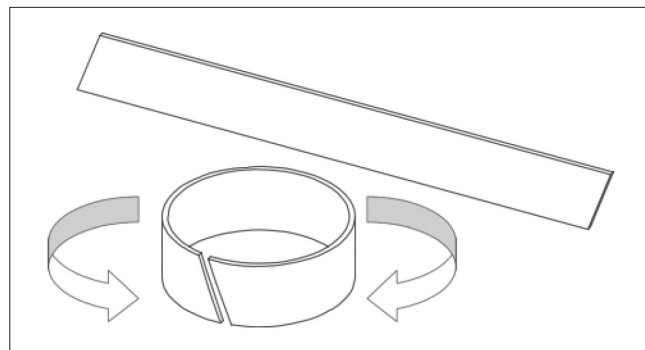
THE LINKAGE KITS HAVE BEEN DESIGNED TO SUPPORT THE WEIGHT OF THE NELES ACTUATOR AND RECOMMENDED ACCESSORIES. USE OF THE LINKAGE TO SUPPORT ADDITIONAL EQUIPMENT OR ADDITIONAL WEIGHT SUCH AS PEOPLE, LADDERS, ETC., MAY RESULT IN THE FAILURE OF THE LINKAGE, VALVE, OR ACTUATOR; AND MAY CAUSE DAMAGE OR PERSONAL INJURY!

5.2 VALVE PREPARATION

1. With the valve removed from the pipeline, turn the valve to the closed position.
2. On valves with handles; remove Handle Nut (16), Handle (17), Shakeproof Washer (19), Socket Head Cap Screw (25) and Spacer (26). DO NOT loosen the Hex Head Cap Screws (29). (See **Figure 4**).

5.3 BRACKET PREPARATION (SEE **FIGURE A**)

1. This step is not applicable for No-Play Coupling Type linkage kits.
2. Roll the bearing strip (3) about its length into a circular shape.



3. Slide the bearing (3) into the bracket (2) until about half of its width is protruding from the bottom of the top bracket flange.
4. Inspect the coupling (1) and locate the end that will engage the actuator.

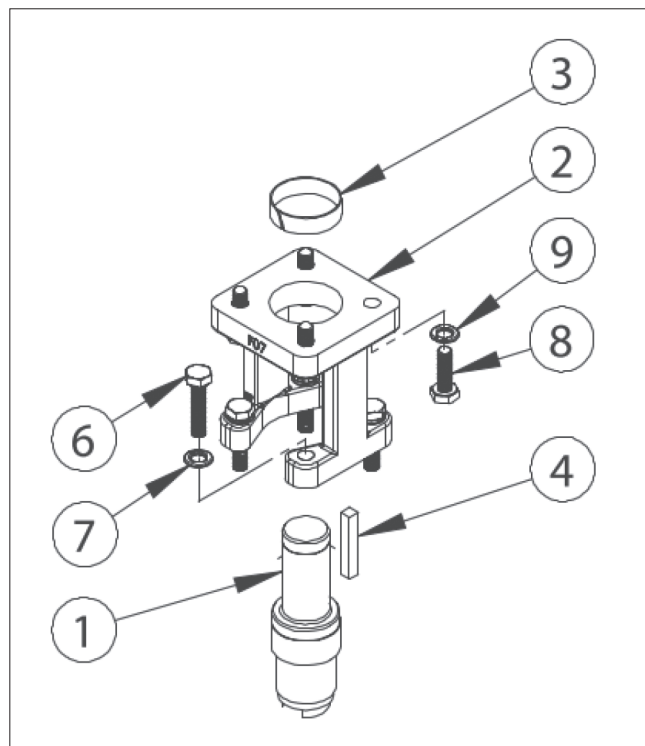


Figure A Linkage Assembly – Key Drive

5. Insert the actuator end of the coupling (1) from the bottom of the bracket (2) into the protruding bearing.
6. Press the coupling (1) upward until the bearing (3) sits flush on the bearing shoulder of the coupling (1) and is flush with the top flange of the bracket (2). (See **Figure B**)

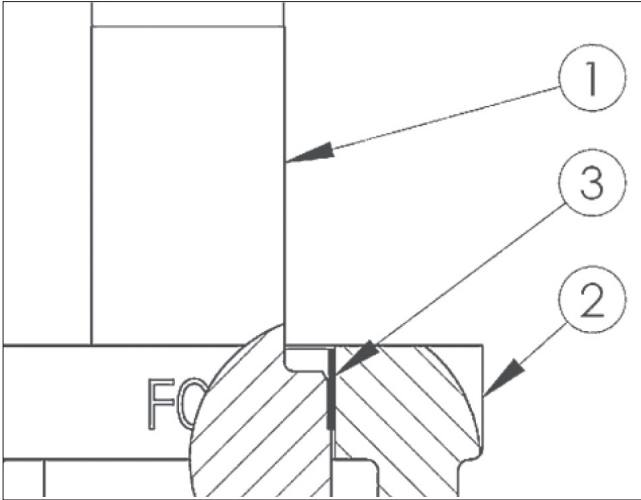


Figure B Proper Bearing Location

5.4 BRACKET ATTACHMENT TO VALVE

Bearing Supported Adapter Type Linkage Kits:

1. Lower the bracket/coupling assembly on the valve, aligning the slot in the bottom of the coupling (1) with the top of the valve stem.
2. Align the four bracket mounting screw holes with the tapped holes on the valve bonnet.
3. Insert the four Hex Head Cap Screws (6) and the Lockwashers (7) into the tapped holes. Tighten to values in **Table 4**.

No-Play Coupling Linkage Type Kits:

1. Place bracket (2) on the valve and align the four bracket mounting screw holes with the tapped holes on the valve bonnet.
2. Insert the four Hex Head Cap Screws (6) and Lockwashers (7) into the tapped holes. Tighten to values in **Table 4**.

Bolt Size	Ft-Lbs	In-Lbs	Nm
1/4"	8	96	11
5/16"	16	192	22
3/8"	27	324	37
7/16"	45	540	61
1/2"	67	804	91
9/16"	100	1200	136
5/8"	135	1620	183
3/4"	225	2700	305
7/8"	335	4020	454
1"	520	6240	705
1 1/8"	700	8400	949
1 1/4"	990	11880	1342
M6	7	84	9
M8	14	168	19
M10	28	336	38
M12	48	576	65
M16	115	1380	156
M20	225	2700	305
M30	783	9396	1062
M36	1347	16164	1826

5.5 ACTUATOR VERSUS VALVE POSITION

IMPORTANT: The actuator and valve position must agree before further assembly.

Since the valve has already been set in the closed position (Step 1 under Valve Preparation), make sure that the actuator is also in the closed position. **EXCEPTION:** If mounting a spring-return actuator in the spring-to-open operation; cycle the valve to the open position and proceed with the valve AND actuator in the open position.

5.6 COUPLING TO ACTUATOR

This step is not applicable for No-Play Coupling Type Linkage Kits (**Figure D**)

This step is not applicable for Male/Female Square Drive Actuators (**Figure C**)

Key Drive Actuators (**Figure A**): Install the key (4) into the key slot of the coupling (1). The key should be filed to closely fit into coupling and actuator keyway. If the fit is loose, apply Loctite® Keyfit or Equivalent.

5.7 BRACKET ATTACHMENT TO ACTUATOR

Bearing Supported Adapter Type Linkage Kits:

1. Place the actuator onto the valve and bracket assembly, aligning holes in the bracket with the holes in the actuator, and align the actuator drive with the coupling. Install the four Hex Head Cap Screws (8) and Lockwashers (9) through the bracket and into the actuator. Apply slightly more than finger-tightness to these fasteners, but **DO NOT TIGHTEN**.

- Cycle the actuator a couple of times, allowing the assembly to position itself for proper actuator-drive to valve-drive alignment. Tighten the four Hex Head Cap Screws (8) securing the bracket to the actuator using the values in **Table 4 or 5**.

Bolt Size	Ft-Lbs	In-Lbs	Nm
1/4"	6	72	8
5/16"	12	144	16
3/8"	20	240	27
7/16"	30	360	41
1/2"	50	600	68
9/16"	70	840	95
5/8"	90	1080	122
3/4"	160	1920	217
7/8"	250	3000	339
1"	360	4320	488
1 1/8"	520	6240	705
1 1/4"	700	8400	949
M6	5	60	7
M8	11	132	15
M10	22	264	30
M12	38	456	52
M16	90	1080	122
M20	170	2040	230
M30	570	6840	773
M36	950	11400	1288

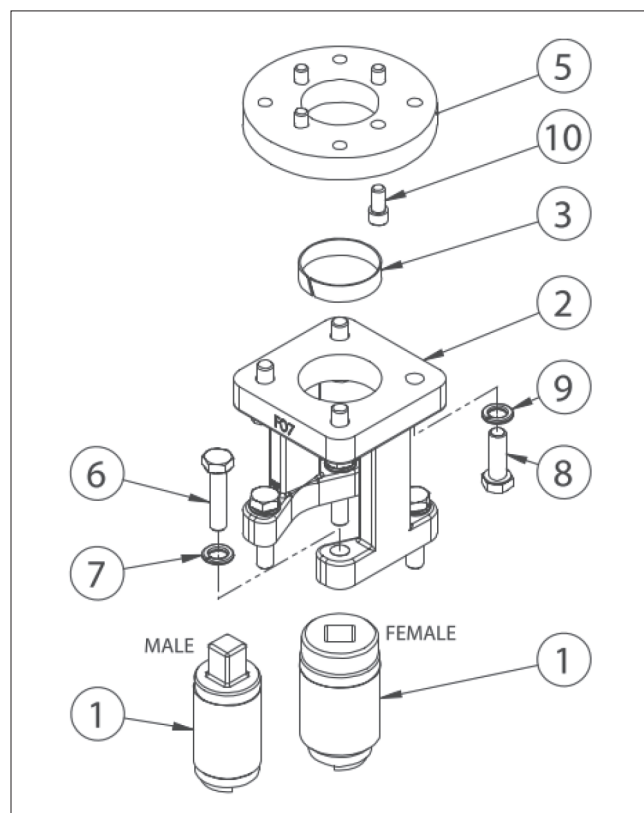


Figure C Linkage Assembly – Square Drive

No-Play Coupling Linkage Type Kits:

- Place the actuator onto the valve and bracket assembly, aligning the holes of the bracket (2) with the holes in the actuator. Install the four Hex Head Cap Screws (8) and four Lockwashers (9) through the bracket and into the actuator. Apply slightly more than finger-tightness to these fasteners but **DO NOT TIGHTEN**.
- If reducers (13) are present in linkage kit; place them inside the coupling halves (1) in the square side pockets. Place the two coupling halves (1) around the valve stem and actuator drive (blade side over the valve stem and square side on the actuator drive side). Fasten the two coupling halves together with Socket Head Cap Screws (10), Lockwashers (11) and Hex Nuts (12).
- Tighten Hex Head Cap Screws (8) securing the bracket to the actuator using the values in **Table 4 or 5** as applicable.

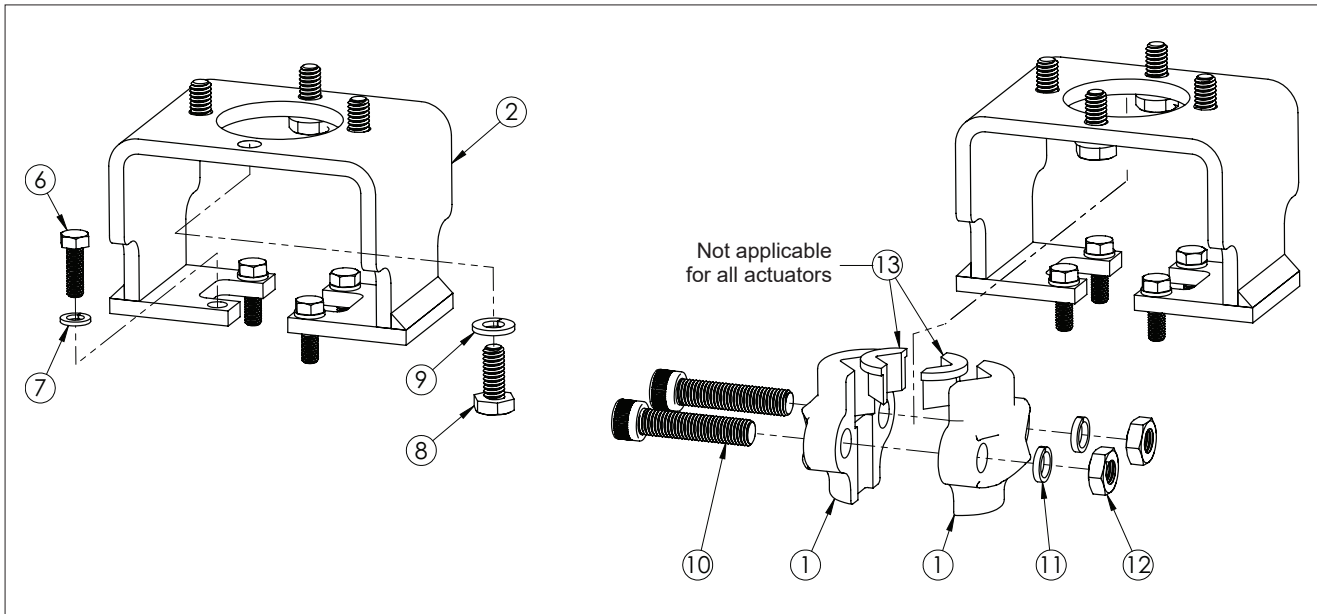


Figure D Linkage Assembly - No-Play Coupling

5.8 OPEN/CLOSE POSITION ADJUSTMENT

NOTE: Refer to the appropriate Installation, Maintenance, and Operating Instructions (IMO) for specific directions on how to adjust the actuator travel stops or limit switch (see **Table 6**).

Table 6: Actuator IMO Reference	
Actuator Model	IMO#
B1C	6 BC 71
B1J	6 BJ 71
BCH	6 BCH 70
SL10	21
ST20, ST50	22
ST13MS, ST20MS	25
Quadra-Powr II (1, 2, 3)	31
Series B & C Quadra-Powr	32
PMV	36
EJ20, EJX20	41
EL20	43
EL8	44
EJ50, EJX50, EJ90, EJX90	48
MA010	63
Torq-Handle	71
Quadra-Powr QPX	215
Vane, V Series	510
SP & SP-SR	512
VPVL	553
MGR	554
LCR	I1262
LCU	I1263
V	I2100 or I2700
ADC	I4900 or I7300

The actuator travel stops should be adjusted so that there is proper ball position in the full open and full close valve positions. Use the following procedures to determine correct ball position.

Valve Open Position: With the valve in the open position (actuator is against the "OPEN" travel stop), the maximum allowable misalignment of the ball port is $1/32"$ (0.8mm) on either side of the ball. Do not use the seat I.D. to measure misalignment, since in many cases it is larger than the ball or body port.

Valve Close Position: With the valve in the closed position (actuator is against the "CLOSE" travel stop), make a pencil mark on the ball at the 9 o'clock and 3 o'clock locations as shown in **Figure 3**. Open the valve part way and measure dimension A. This measurement should deviate no more than $\pm 1/32"$ (0.8mm) from the given value in **Table 7** for all valves.

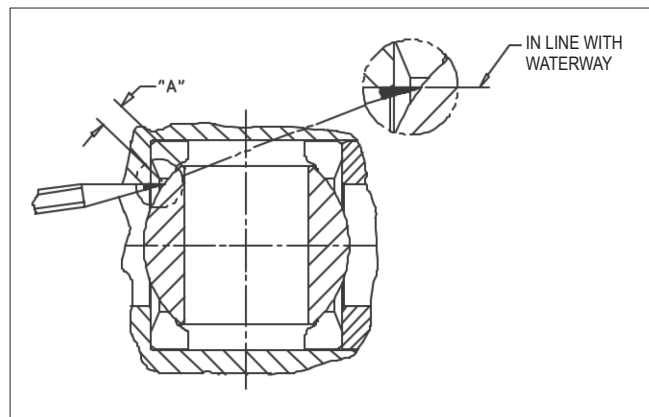


Figure 3 Correct Ball Position

Table 7: Dimension A for Series 7000 & 9000		
Valve Size		Dimension A
Reduced Port (7000)	Full Port (9000)	
½" (DN15)	-	3/32" (2.4mm)
¾" (DN20)	½" (DN15)	1/8" (3.2mm)
1" (DN25)	¾" (DN20)	3/16" (4.8mm)
1 ¼" (DN30)	1" (DN25)	1/4" (6.35mm)
1 ½" (DN40)	1 ¼" (DN30)	1/4" (6.35mm)
2" (DN50)	1 ½" (DN40)	9/32" (7.1mm)

6. REPAIR KITS/SPARE PARTS

We recommend that valves be directed to our service centers for maintenance. The service centers are equipped to provide rapid turn-around at a reasonable cost and offer new valve warranty with all reconditioned valves.

NOTE: When sending goods to the service center for repair, do not disassemble them. Clean the valve carefully and flush the valve internals. Include the material safety datasheet(s) (MSDS) for all media flowing through the valve. Valves sent to the service center without MSDS datasheet(s) will not be accepted. Send valves to the service center in the half open position.

For further information on spare parts and service or assistance visit our web-site at www.valmet.com/flowcontrol/valves.

NOTE: When ordering spare parts, always include the following information:

- Valve catalog code from identification plate,
- If the valve is serialized – the serial number (from identification plate).
- From **Figure 1**, the ballooned part number, part name and quantity required.

TABLE 8A					
Repair Kits Standard Bore Series 7000					
Repair Kits	Valve Size				
Valve Size	1/2" (DN 15)	3/4" (DN 20)	1" (DN 25)	1-1/2" (DN 40)	2" (DN 50)
Xtreme™ Seats	RKN-354XT	RKN-355XT	RKN-356XT	RKN-358XT	RKN-359XT
PTFE Seats	RKN-354TT	RKN-355TT	RKN-356TT	RKN-358TT	RKN-359TT
UHMW Seats	RKN-354UU	RKN-355UU	RKN-356UU	RKN-358UU	RKN-359UU
PEEK Seats	RKN-354LG	RKN-355LG	RKN-356LG	RKN-358LG	RKN-359LG

TABLE 8B				
Repair Kits Full Bore Series 9000				
Repair Kits	Valve Size			
Valve Size	1/2" (DN 15)	3/4" (DN 20)	1" (DN 25)	1-1/2" (DN 40)
Xtreme™ Seats	RKN-354XT	RKN-356XT	RKN-357XT	RKN-359XT
PTFE Seats	RKN-354TT	RKN-356TT	RKN-357TT	RKN-359TT
UHMW Seats	RKN-354UU	RKN-356UU	RKN-357UU	RKN-359UU
PEEK Seats	RKN-354LG	RKN-356LG	RKN-357LG	RKN-359LG

7. CE AND ATEX MARKING

When applicable, the valve meets the requirements of the European Directive 2014/68/EU relating to pressure equipment, and has been marked according to the Directive.

When applicable, the valve meets the requirements of the European Directive 2014/34/EU relating to equipment and protective systems intended for use in potentially explosive atmospheres, and has been marked according to the Directive.

Refer to EU Declaration of Conformity below, for product details.

8. EU DECLARATION OF CONFORMITY



EU DECLARATION OF CONFORMITY

for ATEX approved valves



Manufacturer:


Valmet Flow Control Inc.
Shrewsbury, MA 01545-8044
USA

*Valmet Flow Control (Jiaxing) Co., Ltd.
Jiaxing, China

*) Also manufactures certain series

EU Authorised Representative: Valmet Flow Control Oy, Vanha Porvoontie 229, 01380
Vantaa, Finland. Contact details: [+358 10 417 5000](tel:+358104175000)

This declaration of conformity is issued under the sole responsibility of the manufacturer.

This declaration of conformity is issued under the sole responsibility of the manufacturer.			
Product:	Jamesbury Threaded/Welded End & Flanged Ball valves		
Type:	1/4" – 2" 4000 & Eliminator Series (**) 1/2" – 24" 7000 & 9000 Series (**)		
ATEX group and category:			II 2 GD, II 3 GD
Ex GAS:		Ex h IIC 85°C...Tmax Gb/Gc	
Ex DUST:		Ex h IIIC T85°C...T(Tmax) Db/Dc	
Tmax= valve max. temperature in name plate			

(** Dependent on valve code designation.

Manufacturer's certificates:

Standard / Directive	Notified Body and NoBo number	Certificate No.
ISO 9001:2015	LRQA (Certification body)	10531829
PED 2014/68/EU Module H	DNV Business Assurance Italy S.r.l. 0496	142306-2013-CE-FIN-ACCREDIA
ATEX 2014/34/EU Annex IV	DNV Product Assurance AS Norway 2460	Presafe 18 ATEX 91983Q Issue 6

ATEX 2014/34/EU Annex VIII technical files are archived by Notified Body number 0537

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

PED 2014/68/EU	Valve
ATEX 2014/34/EU	Non-electrical equipment

Main components:

Valve:
The valve is suitable for service up to PED Cat III
Valve design standard: ASME B16.34

Installation, Maintenance and Operating instructions manual (IMO) must be followed before installation in order to ensure proper and safe mounting and usage of equipment.

The product above is manufactured in compliance with the applicable European directives and technical specifications/standards EN10204:3.1. The product is in conformity with the customer order.

Instrumentation and accessories having equal protection concept, level and performance specification with the original can be presumed to be in conformity with this Declaration of Conformity.

Protection from e.g. static electricity caused by the process or connected equipment must be considered by the user (EN 60079-14 § 6). EN 60079-19 applies for modifications.

Non-electrical equipment is according EN 80079-37:2016 and EN 80079-36:2016. The actual surface temperature of non-electrical equipment is depended on the process and ambient conditions (EN 80079-36:2016 § 6.2.5 and 6.2.7). The protection from high or low temperature must be considered by the end user before put into service.

The product does not possess any residual risk according to hazard analysis conducted under the applicable directives providing that the procedures stated by the IMO are followed and the product is used under conditions mentioned in the technical specifications.

Documents with digital and/or e-signature conveyed by Valmet Flow Control conform to the Regulation (EU) No 910/2014 as well as the national code on e-signatures. In order to secure the integrity of the document, the authenticity of the sender, and indisputableness of the dispatch the identification is covered by individual ID codes, passwords, and by regularly changing passwords. The authorization to sign documents is based on organizational position and/or is task related. The impartial third party in the company bestows the access right with predefined authorities to particular databases.

Shrewsbury

10.9.2024

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