

# OVC

OHIO VALVE COMPANY

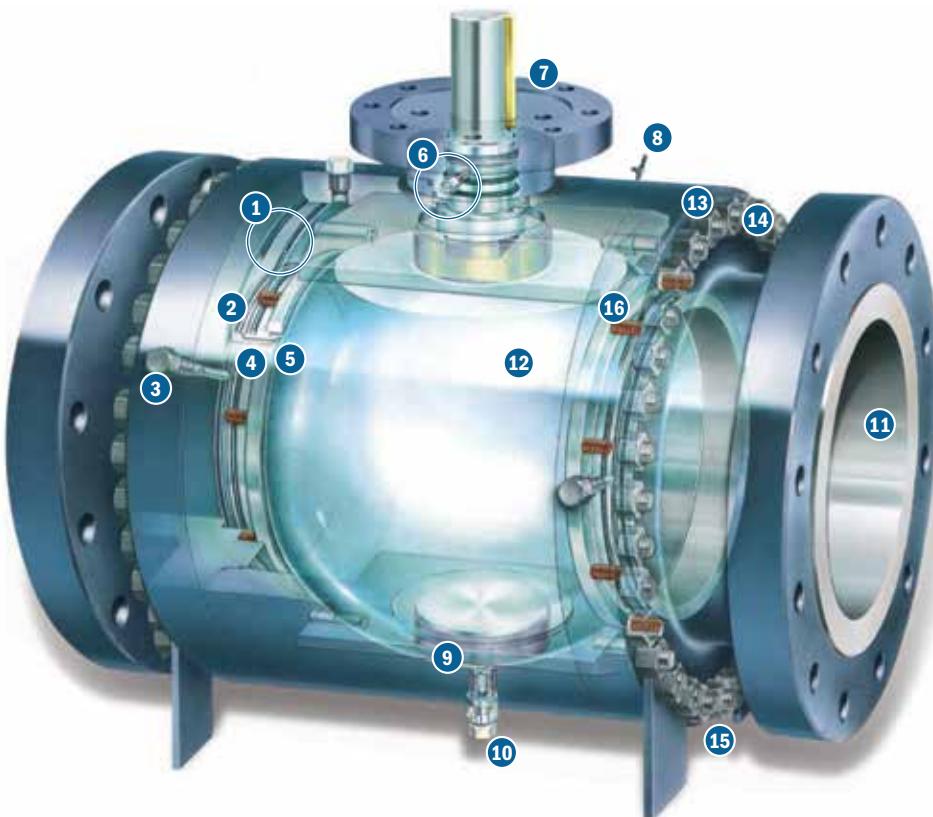


CARBON AND STAINLESS STEEL  
**TRUNNION MOUNTED BALL VALVES**

**888.433.1433**

[www.ohiovalve.com](http://www.ohiovalve.com)  
[sales@ohiovalve.com](mailto:sales@ohiovalve.com)

## OVC TRUNNION BALL VALVE INTERNAL ILLUSTRATION



- ① Double sealing on stem, stem gland, and closure connections
- ② Seats insure low and high pressure sealing and body cavity self relief for double block and bleed (DBB)
- ③ Seat injection fitting with internal check valve for emergency sealing
- ④ Secondary metal-to-metal sealing accomplishes fire safe requirements
- ⑤ Standard seat insert materials Devlon®
- ⑥ Stem injection fitting for secondary sealing
- ⑦ Large pre-drilled adapter plate for ease in actuation
- ⑧ Cavity relief valves
- ⑨ Self-lubrication steel trunnion bearings for smooth operation
- ⑩ Drain valve for block and bleed function and seat integrity verification
- ⑪ Bi-directional flow
- ⑫ Smooth electroless nickel plated ball for bubble-tight sealing and low operating torque
- ⑬ Valve serialization provides complete traceability
- ⑭ Flanged x Flanged, Weld End x Weld End, and Flanged x Weld End body connections
- ⑮ Serviceable in the field
- ⑯ Inconel X750® springs

**Options available** include stem extensions, locking devices, transition pieces and direct mounted actuation. Body and trim materials include A105N, A350 LF2, and A182 F316.

# ABOUT OVC

**OHIO VALVE COMPANY (OVC)** was established in 1985 in Ohio to satisfy the need for a high-quality, dependable ball valve line required by Midwestern distribution and end users. Over time, as our customer base grew and requirements expanded, the breath of our product line also evolved into industrial valve product design. Today, OVC is a vertically integrated division within the Texas Pipe Family of Companies, with corporate offices based in Houston, Texas.

Our dedicated team takes great pride in manufacturing the highest-quality designed valves that are in accordance with many industry standards within the upstream, midstream, and gas transmission applications. All valves undergo extensive third-party quality inspection and testing processes to ensure accuracy to design standards and achieve successful critical testing results each time.

*We take enormous pride in every single valve we manufacture.*

**Welcome to Ohio Valve Company (OVC)!**



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###### Carbon Steel & Stainless Steel

###### 2" - 4" CL 150, 300, 600

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###### Carbon Steel, Full Port

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###### Carbon Steel & Stainless Steel

###### 14" FP - 24" FP CL 150, 300, 600

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## PRODUCT RANGE

Body Material	Class API 6D	Port	Product Range: Carbon & Stainless Steel Full/Reduced Port Ball Valves											
			2	3	4	6	8	10	12	14	16	18	20	24
Carbon Steel, Stainless Steel, Special	150	Full & Reduced	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	300		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	600		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Sizes and classes not listed are available upon request.

# HOW TO ORDER

## SPECIFYING OVC SERIES 39 & 29 / 38 & 28 FULL/REDUCED PORT TRUNNION VALVE FIGURE NUMBERS

### Sample Valve Figure # 39-F-E-F-D-H-TR-150-FS-L-2

3	9	F	E	F	D	H	TR	150	FS	L	2
Piece Design	Body Material	End Connection	Trim	Port Config.	Seat Material	Seal Material	Valve Type	Pressure Class	Fire Tested	Operation	Size
2-Piece	<b>9</b> A105N/ LF2	<b>F</b> Flanged	<b>E</b> ENP	<b>F</b> Full Port	<b>G</b> RTFE	<b>B</b> BUNA-N	Trunnion	150	<b>FS</b>	<b>L</b> Lever	2" - 36"
3-Piece	<b>8</b> A182- 316	<b>WE</b> Buttweld	<b>6</b> 316	<b>R</b> Reduced Port	<b>T</b> PTFE	<b>E</b> EPDM		300	Pre-Tested with Emergency Grease Seals	<b>G</b> Gear	
					<b>D</b> Devlon®	<b>H</b> HNBR		600		<b>B</b> Bare Stem	
					<b>N</b> Nylon	<b>V</b> Viton™		900			
					<b>V</b> Viton™	<b>T</b> PTFE		1500			
					<b>P</b> PEEK			2500			

## OVC CERTIFICATIONS



*Certificate of Registration*

This is to certify that:

**PE ENG CO., LTD.**

has been assessed by International Certification Register Ltd. in respect of their Quality Management Systems and found to comply with

**ISO 9001:2015**

Approval is hereby granted for registration providing the rules and conditions relating to certification are observed at all times.

Certification Scope:  
Design and Manufacture of Valves

Certificate Issue Date: 22nd November 2021 Initial Issued Date: 07th December 2018  
Expiration Date: 06th November 2024 Certificate No.: Q303828

The certificate is valid for a period of one year from the issuance date.

The Seal of ICR Limited was hereunto affixed in the presence of:





IAI ANAB TÜV NORD APPROVED FOR THE ISSUANCE OF CERTIFICATES FOR THE FOLLOWING SCOPE OF CERTIFICATION

**Certificate of Authority to use the Official API Monogram**  
License Number: 6D-2016 ORIGINAL

The American Petroleum Institute hereby grants to

**PE ENG CO., LTD.**

the right to use the Official API Monogram™ on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1® and **API-6D** and in accordance with the provisions of the License Agreement.

In all cases where the Official API Monogram is applied, the API Monogram shall be used in conjunction with this certificate number: **6D-2016**

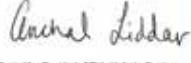
The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following: Ball Valves and Gate Valves

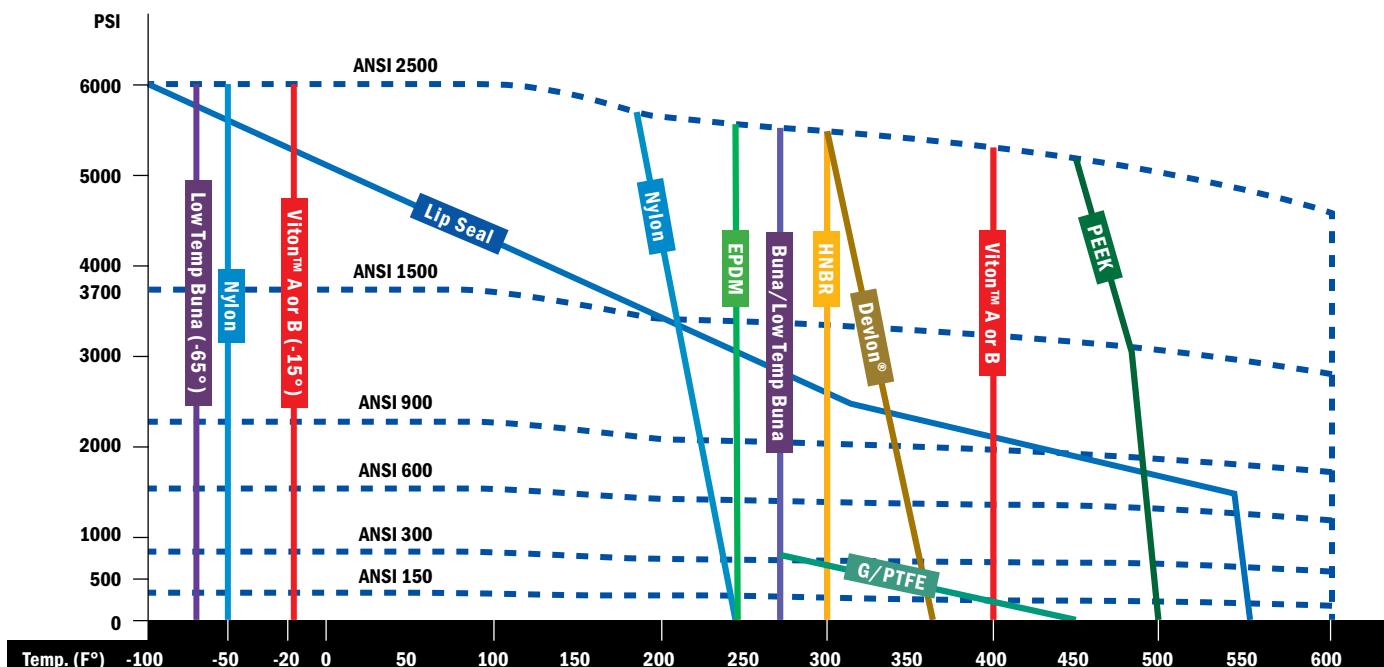
QMS Exclusions: Servicing; Customer Property

Effective Date: JANUARY 21, 2022  
Expiration Date: JANUARY 21, 2025

To verify the authenticity of this license, go to [www.api.org/compositelist](http://www.api.org/compositelist).

  
Senior Vice President of Global Industry Services

# PRESSURE/TEMPERATURE FOR SEAT AND SEAL MATERIALS



## HOW TO READ AN OVC TAG

Item	Description
1	Figure number describes valve construction
2	Nominal pipe size (in inches)
3	Max. operating pressure (psi) at min. valve design temperature
4	Valve features double block and bleed (DBB), NACE, and fire safe standards
5	Body and Trim materials
6	OVC Serial Number
7	OVC Manufacturing Order Number
8	API 6D monogram stamp
9	ANSI Pressure Class
10	Max. operating pressure (psi) at max. valve design temperature
11	Date of assembly (YYYY/MM)
12	Country of origin

### OVC Repair Kits

Spare parts are available for quick delivery. Orders with valve serial numbers will ensure the correct parts are shipped. Contact your OVC salesperson for more information.

### Our Quality Commitment

OVC is dedicated to continually improving our state-of-the-art engineering and manufacturing capabilities to improve the overall quality of our products and customer service. OVC's global network of flow control experts consist of highly-trained technicians, engineers, and superior testing laboratories to ensure that all products supplied to our customers are 100% in accordance with both industry standards and our internal Quality Management System.

# DESIGN FEATURES AND BENEFITS

## BODY CONSTRUCTION

The body is made of three forged parts, and the bolted construction allows disassembly in the field for repairs. The body drain is located in the lowest part of the body cavity and consists of a drain plug with safety plug. Graphite gaskets are provided for compliance with API 607/ISO and fire safe standards.

## STEM CONSTRUCTION

The stem's function is to transmit torque and absorb the line pressure thrust together with the trunnion. The stem has an anti-blowout design and incorporates a double-barrier system. The pressure thrust on the stem is supported by a thrust washer in antifriction material.

## SEAT TO BALL SEALING

Soft seats are standard. Seat inserts of synthetic material such as RTFE, Devlon®, and PEEK are contained within a one-piece metal seat ring. With no, or very low, line pressure, sealing between the seats and ball is achieved by the seat springs. As line pressure increases, it begins to work in conjunction with the seat springs to assure the integrity of the seat.

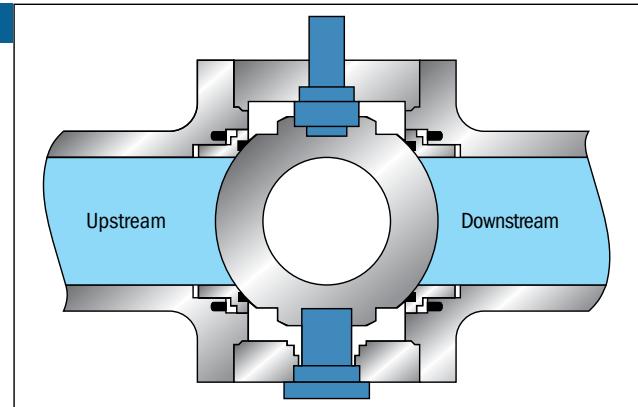
## SEAT & SEAL FEATURES

Soft seats are standard. Seat inserts of synthetic material such as RTFE, Devlon®, and PEEK are contained within a one-piece metal seat ring. With no (or very low) line pressure, sealing between the seats and ball is achieved by the seat springs.

Two different types of seats are used to isolate the line pressure from the body cavity. Primary sealing is accomplished by an electrostatic seal such as HNBR and 90 Durometer. Explosive Decompression resistant (ED) is good to 5% H2S application. Secondary fire safe sealing is accomplished by a graphite seal ring.

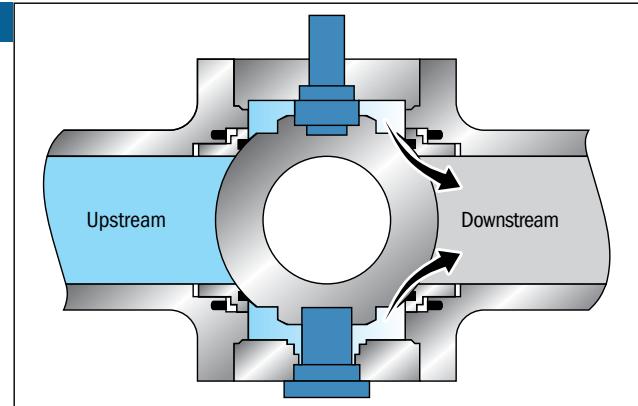
## DOUBLE BLOCK AND BLEED (DBB) DESIGN

The trapped cavity pressure can bleed out by vent fitting or drain plug when the valve is in the fully open or fully closed position. The fluid is intercepted by seats of upstream and downstream side. As such, the stem packing or O-ring may be replaced under working pressure. Each seat works independently assuring tight seal against ball on both upstream and downstream side.



## VALVE CAVITY PRESSURE RELIEF (SELF-RELIEVING SEAT)

This standard feature is designed to prevent excessive pressure buildup within the valve by automatically relieving pressure when body cavity pressure exceeds the spring load on the seats. When a trunnion ball valve is in the closed position, media will be trapped in the body cavity. Unless this media is drained, it will be subjected to thermal expansion and contraction. As the temperature rises, the trapped media desires to expand and the pressure increases in the area body cavity. In order to avoid excessive pressure buildup, the OVC seats are designed to self-relieve, allowing the media in the body to escape to the pipeline. This self-relieving seat design feature is standard on all OVC trunnion ball valves.

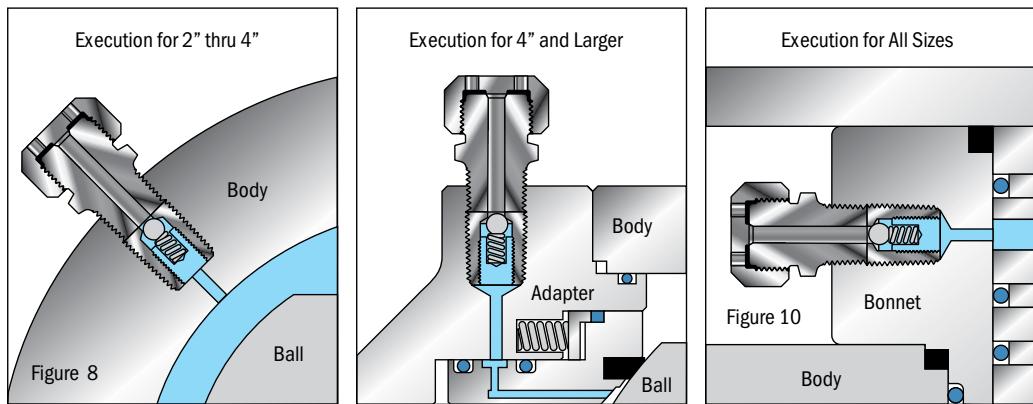


## STEM SEALING

The stem is a free member and carries no side thrust. The absence of this side load and friction drag on the stem ensures lower operating torque and long service life. Precision machining of the stem, which is rigidly supported between bearings, combined with hardness control between metallic parts and double O-rings backed up by a secondary graphite seal, ensures reliable operation with the highest levels of sealing integrity. All seals can be replaced without the need to remove the stem from the valve or remove the valve from the pipeline. If leakage should ever occur through both stem seals, the outer O-ring can be replaced with the valve in the line under pressure with the ball in the closed position.

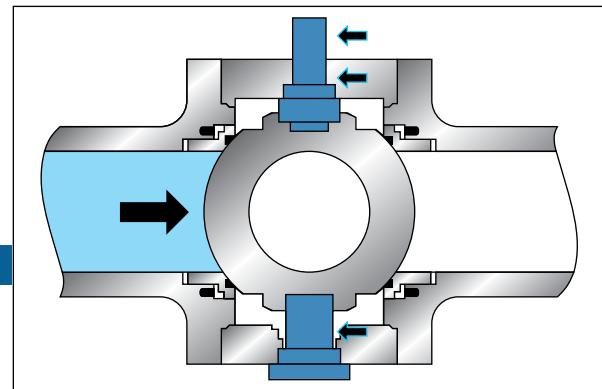
## SEAT & STEM EMERGENCY SEALANT INJECTION

Sealing injection fittings are standard on all OVC trunnion ball valves. If the seat ring becomes damaged, this feature provides the user with an easy way to inject an emergency sealant to restore a tight seal. It also allows for the sealing surfaces of the ball and seat to be periodically flushed to clear away any debris that may impair sealing.



## DOUBLE SEALS AT ALL JOINTS

All connecting parts employ a double sealing design incorporating an O-ring and graphite/spiral wound 316 SS + Graphite gasket to ensure positive sealing.



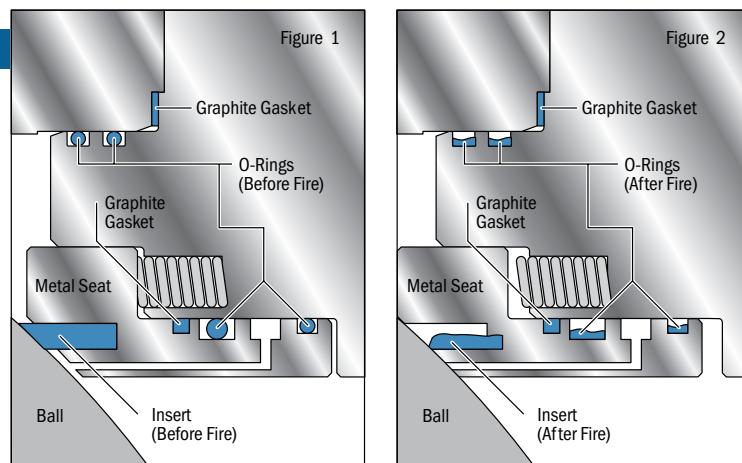
## LOW FRICTION STEM/TRUNNION BEARINGS AND THRUST WASHERS ▶

Heavy duty PTFE-lined carbon or stainless steel bearing and thrust washers ensure durable and low torque operation.

## FIRE SAFE DESIGN AND API 607/ISO 10497 ▶

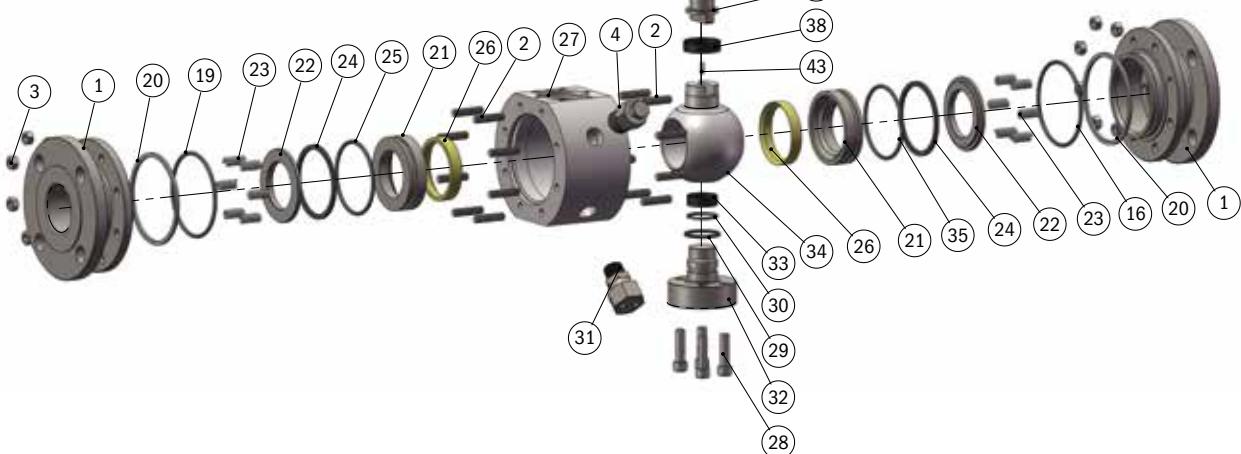
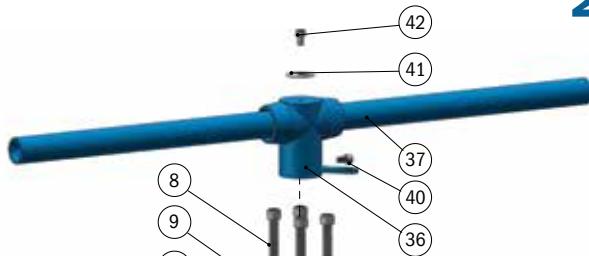
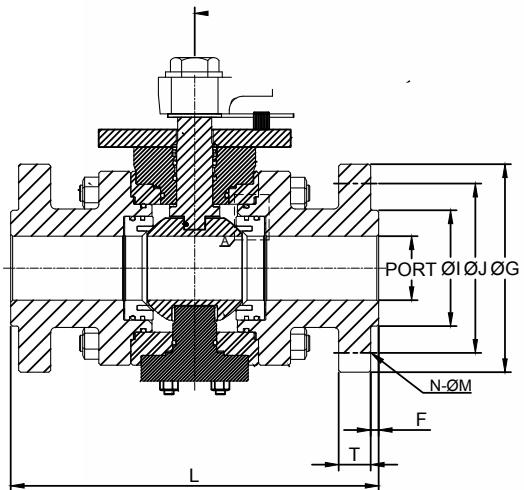
When the seat inserts are softened and burnt in case of fire or unusual temperature increase, the seat retainer, under the duty of the spring, will touch with the ball and form a metal-to-metal contact, which can prevent internal leaks.

Meanwhile, the middle flange and the upper and lower parts of the stem will form a metal-to-metal contact which can prevent external leaks and conforms to API 607/ISO 10497.



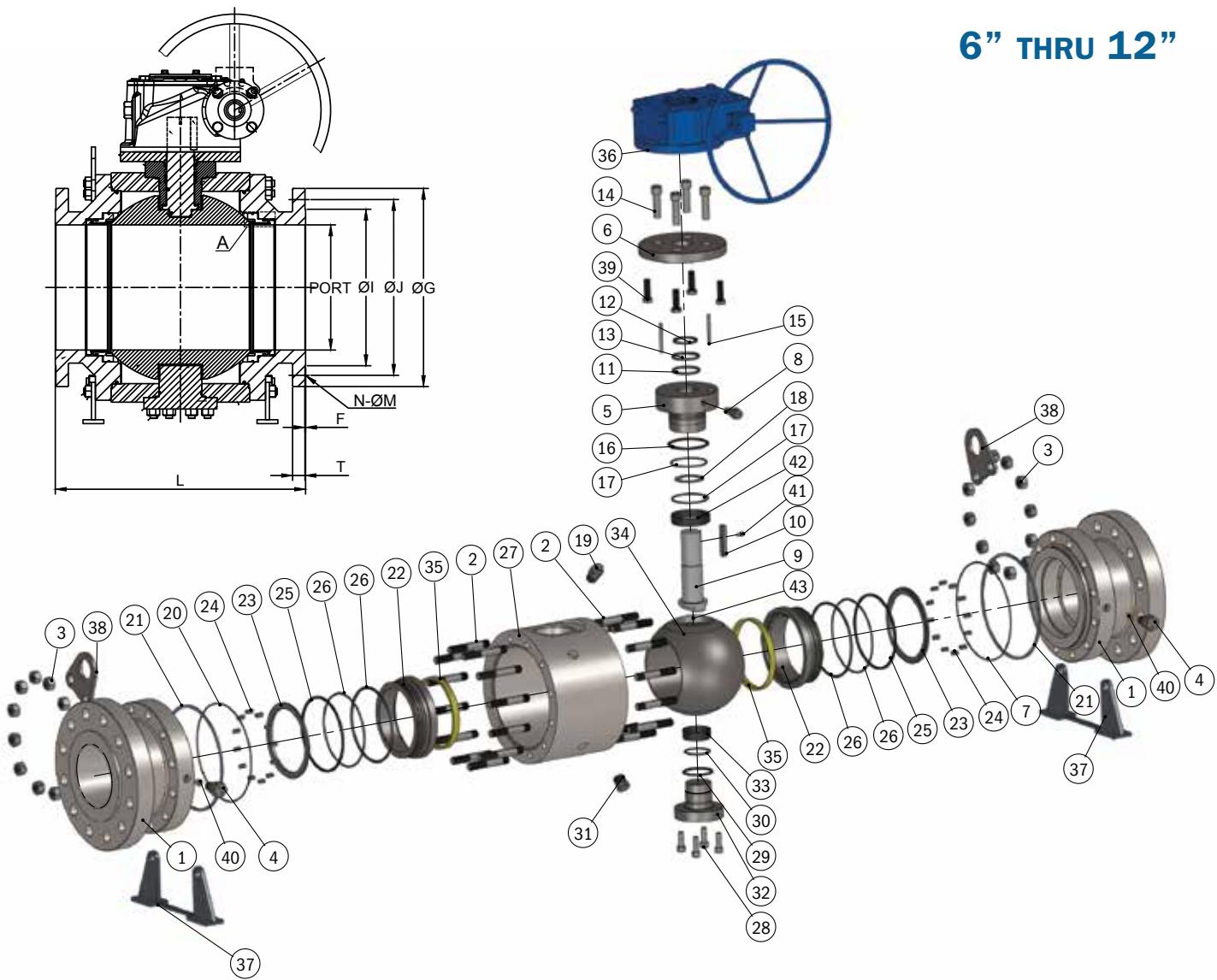
## 3-PIECE FORGED TRUNNION

**2" THRU 4"**



### EXPLODED VIEW MATERIAL LIST: 2" THRU 4" SIZES

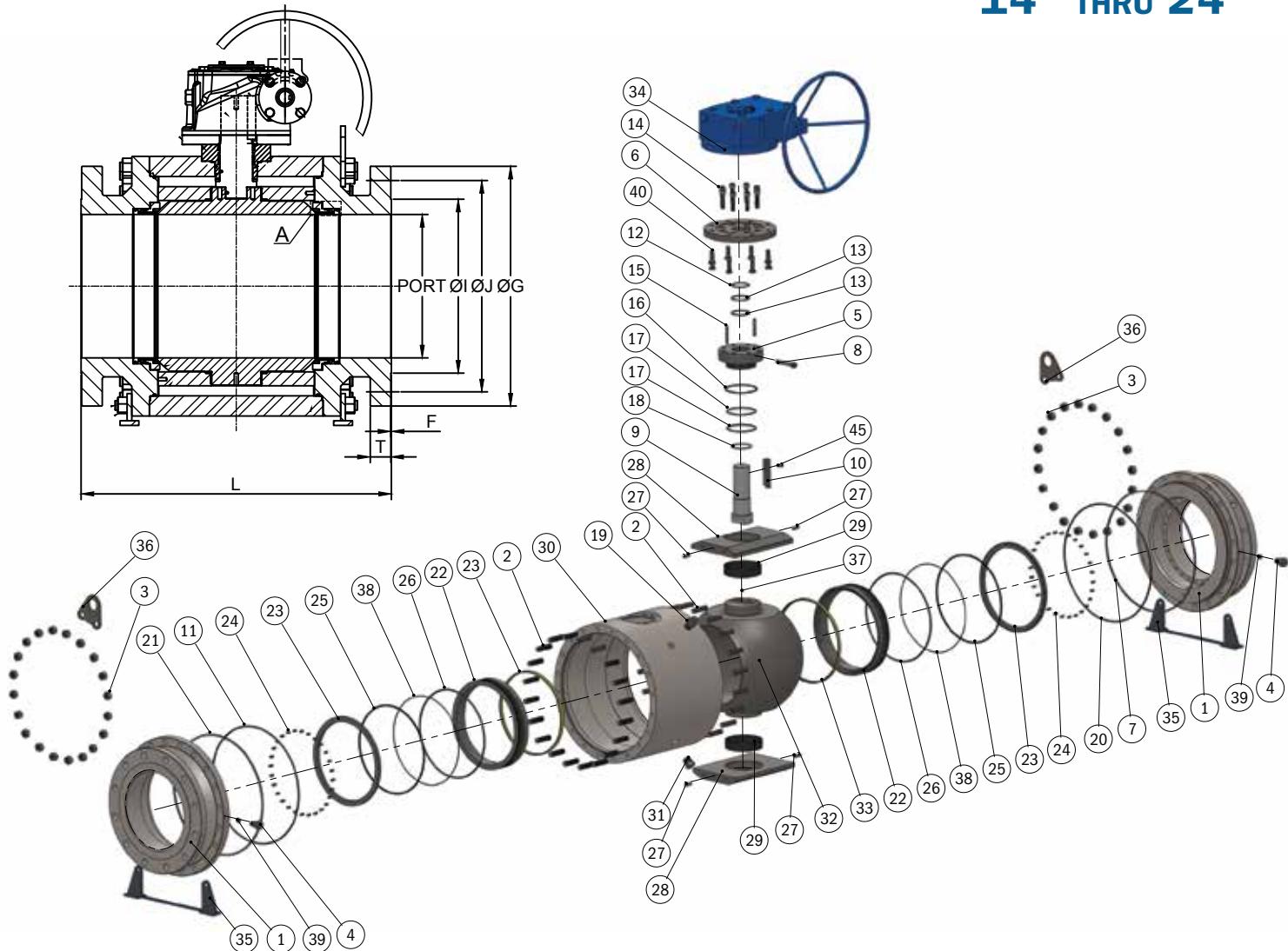
No.	Part Name	No.	Part Name	No.	Part Name
1	BODY CLOSURE	11	KEY	22	SPRING HOLDER
2	BOLT	12	O-RING	23	SPRING
3	NUT	13	GASKET	24	GASKET
4	VENT VALVE	14	O-RING	25	O-RING
5	GLAND	15	WASHER	26	SEAT INSERT
6	MOUNTING PLATE	16	O-RING	27	BODY
7	INJECTION FITTINGS	17	GASKET	28	BOLT
8	BOLT	18	O-RING	29	GASKET
9	PIN	19	O-RING	30	O-RING
10	STEM	20	GASKET	31	DRAIN PLUG
		21	SEAT RETAINER	32	TRUNNION
				42	BOLT
				43	ANTISTATIC DEVICE

**6" THRU 12"**

EXPLODED VIEW MATERIAL LIST: 6" THRU 12" SIZES					
No.	Part Name	No.	No.	No.	No.
1	BODY CLOSURE	11	O-RING	22	SEAT RETAINER
2	BOLT	12	GASKET	23	SPRING HOLDER
3	NUT	13	O-RING	24	SPRING
4	INJECTION FITTINGS	14	BOLT	25	GASKET
5	GLAND	15	PIN	26	O-RING
6	MOUNTING PLATE	16	GASKET	27	BODY
7	O-RING	17	O-RING	28	BOLT
8	INJECTION FITTINGS	18	WASHER	29	GASKET
9	STEM	19	VENT VALVE	30	O-RING
10	KEY	20	O-RING	31	DRAIN PLUG
		21	GASKET	32	TRUNNION
				33	BEARING
				34	BALL
				35	SEAT INSERT
				36	WORM GEAR BOX
				37	BOTTOM LEG SUPPORT
				38	LIFTING LUG PLATES
				39	BOLT
				40	CHECK VALVE
				41	BOLT
				42	BEARING
				43	ANTISTATIC DEVICE

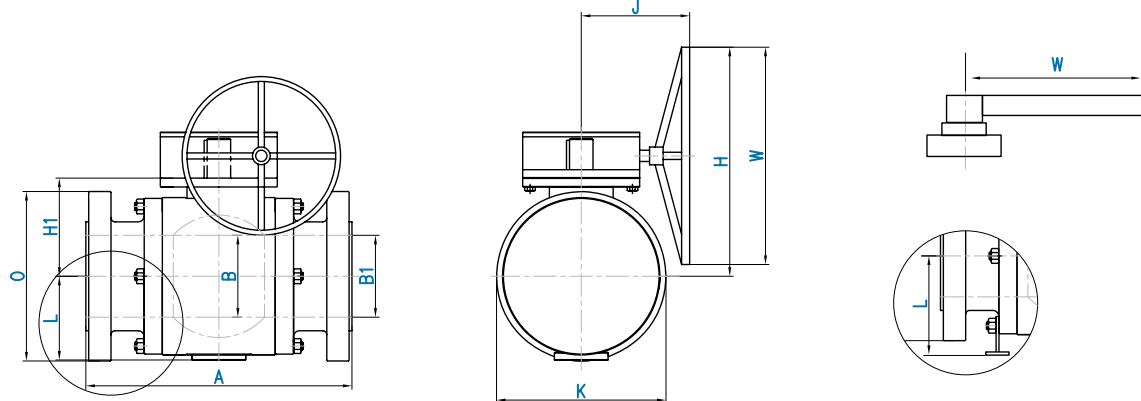
# 3-PIECE FORGED TRUNNION

**14" THRU 24"**



## EXPLODED VIEW MATERIAL LIST: 14" THRU 24" SIZES

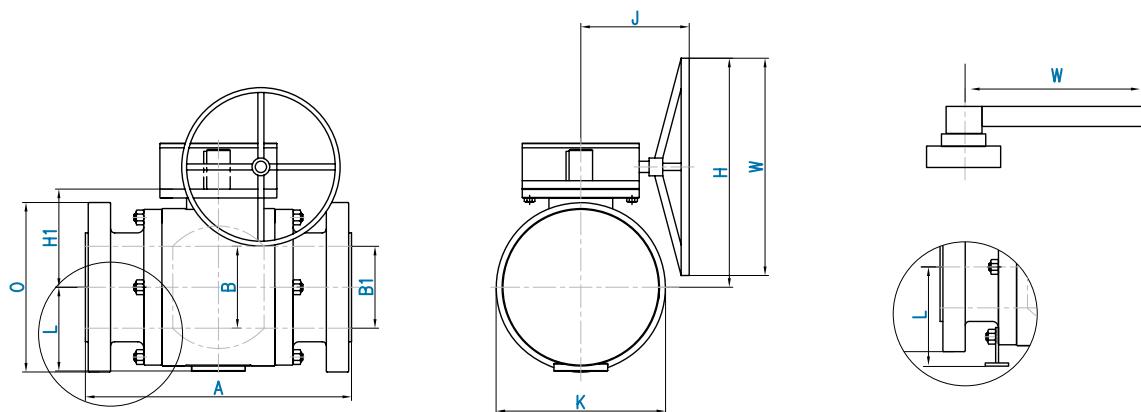
No.	Part Name	No.	No.	No.	
1	BODY CLOSURE	11	O-RING	21	GASKET
2	BOLT	12	GASKET	22	SEAT RETAINER
3	NUT	13	O-RING	23	SPRING HOLDER
4	INJECTION FITTINGS	14	BOLT	24	SPRING
5	GLAND	15	PIN	25	GASKET
6	MOUNTING PLATE	16	GASKET	26	O-RING
7	O-RING	17	O-RING	27	PIN
8	INJECTION FITTINGS	18	WASHER	28	SUPPORT PLATE
9	STEM	19	VENT VALVE	29	BEARING
10	KEY	20	O-RING	30	BODY
				31	DRAIN PLUG
				32	BALL
				33	SEAT INSERT
				34	WORM GEAR BOX
				35	BOTTOM LEG SUPPORT
				36	LIFTING LUG PLATES
				37	ANTISTATIC DEVICE
				38	O-RING
				39	CHECK VALVE
				40	BOLT



## Class 150 — Dimensions

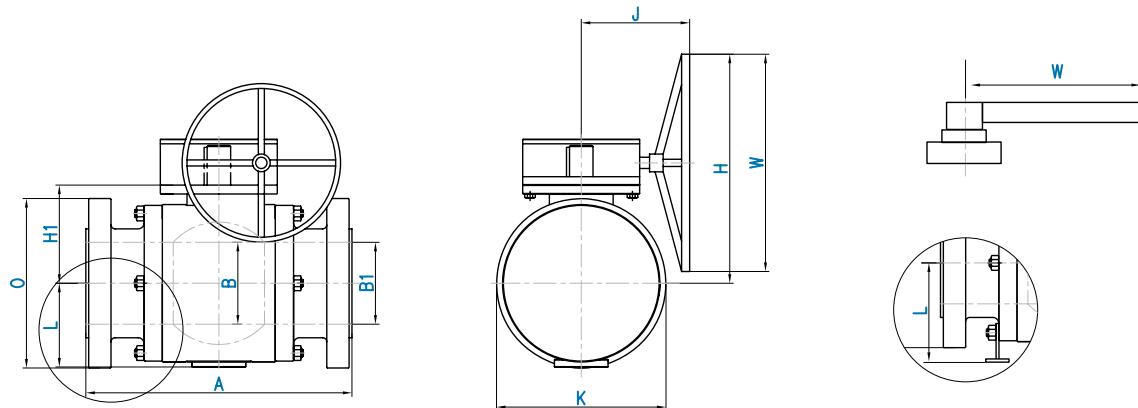
SIZE	A			B	B1	O	H1	L	K	H	J	W	WEIGHT (lbs)
	RF	RTJ	WE										RF/RTJ
2x1.5"	7.00	7.50	8.50	1.50	2.01	6.00	4.37	3.89	6.00	7.2	-	9.9	-
2"	7.00	7.50	8.50	2.01	2.01	6.00	4.52	3.97	6.00	7.91	-	9.9	50
3x2"	8.00	8.50	11.12	2.01	3.03	7.50	4.52	3.97	7.50	7.91	-	9.9	-
3"	8.00	8.50	11.12	3.03	3.03	7.50	5.35	4.68	7.50	8.74	-	9.9	80
4x3"	9.00	9.50	12.00	3.03	4.02	9.00	5.35	4.68	9.00	8.74	-	9.9	-
4"	9.00	9.50	12.00	4.02	4.02	9.00	6.36	5.59	9.06	10.35	-	13.8	123
6x4"	15.50	16.00	18.00	4.02	5.99	11.00	6.36	5.59	11.00	10.35	-	13.8	-
6"	15.50	16.00	18.00	5.99	5.99	11.00	8.43	8.18	12.44	17.53	9.45	13.8	398
8x6"	18.00	18.50	20.50	5.99	7.99	13.50	8.43	8.18	13.50	17.53	9.45	13.8	-
8"	18.00	18.50	20.50	7.99	7.99	13.50	10.06	9.76	15.35	19.19	14.56	13.8	563
10x8"	21.00	21.50	22.00	7.99	10.00	16.00	10.06	9.76	16.00	21.34	14.56	18.1	-
10"	21.00	21.50	22.00	10.00	10.00	16.00	11.30	11.22	18.50	22.56	15.83	18.1	901
12x10"	24.00	24.50	25.00	10.00	12.01	19.00	11.30	11.22	19.00	25.31	15.83	23.6	-
12"	24.00	24.50	25.00	12.01	12.01	19.00	12.83	12.36	21.18	26.85	15.83	23.6	1420
14x12"	27.00	27.50	30.00	12.01	13.27	21.00	12.83	12.36	21.18	26.85	15.83	23.6	-
14"	27.00	27.50	30.00	13.27	13.27	21.00	13.78	12.59	23.23	32.52	21.38	23.6	1900
16x14"	30.00	30.50	33.00	13.27	15.24	23.50	13.78	12.69	23.50	35.47	21.38	29.5	-
16"	30.00	30.50	33.00	15.24	15.24	23.50	15.78	15.15	26.77	37.48	21.38	29.5	2510
18x16"	34.00	34.50	36.00	15.24	17.25	25.00	15.78	15.15	26.77	37.48	21.38	29.5	-
18"	34.00	34.50	36.00	17.25	17.25	25.00	17.20	16.53	29.53	39.00	21.38	29.5	3500
20x18"	36.00	36.50	39.00	17.25	19.25	27.50	17.20	16.53	29.53	39.00	21.38	29.5	-
20"	36.00	36.50	39.00	19.25	19.25	27.50	18.82	18.14	32.76	40.51	21.38	29.5	4305
24x20"	42.00	42.50	45.00	19.25	23.27	32.00	18.82	18.14	32.76	40.51	21.38	29.5	-
24"	42.00	42.50	45.00	23.27	23.27	32.00	22.32	21.45	39.37	43.97	25.27	29.5	-

Lever operator for 4" and below, Worm Gear Box for 6" and above.


**Class 300 — Dimensions**

SIZE	A			B	B1	O	H1	L	K	H	J	W	WEIGHT (lbs)
	RF	RTJ	WE										RF/RTJ
2x1.5"	8.50	9.12	8.50	1.50	2.01	6.50	4.37	3.89	6.50	7.20	-	9.90	-
2"	8.50	9.12	8.50	2.01	2.01	6.50	4.52	3.97	6.50	7.91	-	9.90	60
3x2"	11.12	11.74	11.12	2.01	3.03	8.25	4.52	3.97	8.25	7.91	-	9.90	-
3"	11.12	11.74	11.12	3.03	3.03	8.25	5.35	4.68	8.25	8.74	-	9.90	110
4x3"	12.00	12.62	12.00	3.03	4.02	10.00	5.35	4.68	10.00	8.74	-	9.90	-
4"	12.00	12.62	12.00	4.02	4.02	10.00	6.36	5.59	10.00	10.35	-	13.80	160
6x4"	15.88	16.50	18.00	4.02	5.99	12.50	6.36	5.59	12.50	10.35	-	13.80	-
6"	15.88	16.50	18.00	5.99	5.99	12.50	8.43	8.18	12.50	17.53	9.45	13.80	550
8x6"	19.75	20.37	20.50	5.99	7.99	15.00	8.43	8.26	15.00	19.68	9.45	18.10	-
8"	19.75	20.37	20.50	7.99	7.99	15.00	10.06	9.76	15.35	21.34	14.56	18.10	720
10x8"	22.38	23.00	22.00	7.99	10.00	17.50	10.06	9.76	17.50	21.34	14.56	18.10	-
10"	22.38	23.00	22.00	10.00	10.00	17.50	11.30	11.22	18.50	22.56	15.83	18.10	1200
12x10"	25.50	26.12	25.00	10.00	12.01	20.50	11.30	11.22	20.50	25.31	15.83	23.60	-
12"	25.50	26.12	25.00	12.01	12.01	20.50	12.83	12.36	21.18	29.17	20.47	23.60	1900
14x12"	30.00	30.62	30.00	12.01	13.27	23.00	12.83	12.36	23.00	29.17	20.47	23.60	-
14"	30.00	30.62	30.00	13.27	13.27	23.00	13.78	12.59	23.23	35.47	21.38	29.50	-
16x14"	33.00	33.62	33.00	13.27	15.24	25.50	13.78	13.80	25.50	35.47	21.38	29.50	-
16"	33.00	33.62	33.00	15.24	15.24	25.50	15.78	15.15	26.77	37.48	21.38	29.50	-
18x16"	36.00	36.62	36.00	15.24	17.25	28.00	15.78	15.15	28.00	37.48	21.38	29.50	-
18"	36.00	36.62	36.00	17.25	17.25	28.00	17.20	16.53	29.53	39.00	21.38	29.50	-
20x18"	39.00	39.75	39.00	17.25	19.25	30.50	17.20	16.53	30.50	39.00	21.38	29.50	-
20"	39.00	39.75	39.00	19.25	19.25	30.50	18.82	18.14	32.76	40.51	21.38	29.50	-
24x20"	45.00	45.88	45.00	19.25	23.27	36.00	18.82	18.99	36.00	40.51	21.38	29.50	-
24"	45.00	45.88	45.00	23.27	23.27	36.00	22.32	21.55	39.57	41.06	25.27	29.50	-

Lever operator for 4" and below, Worm Gear Box for 6" and above.

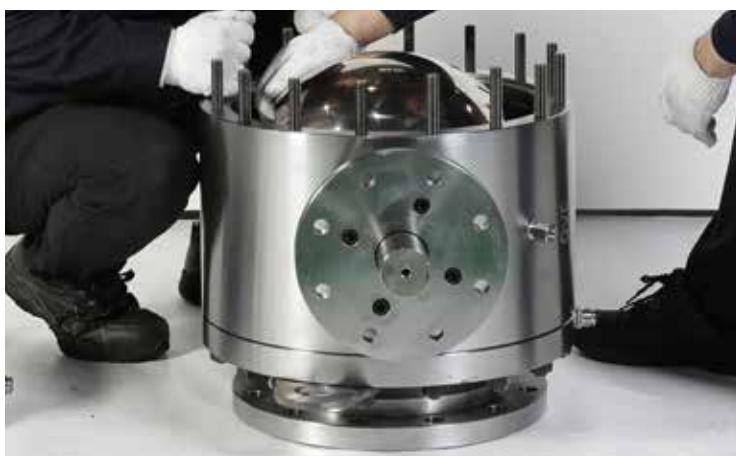
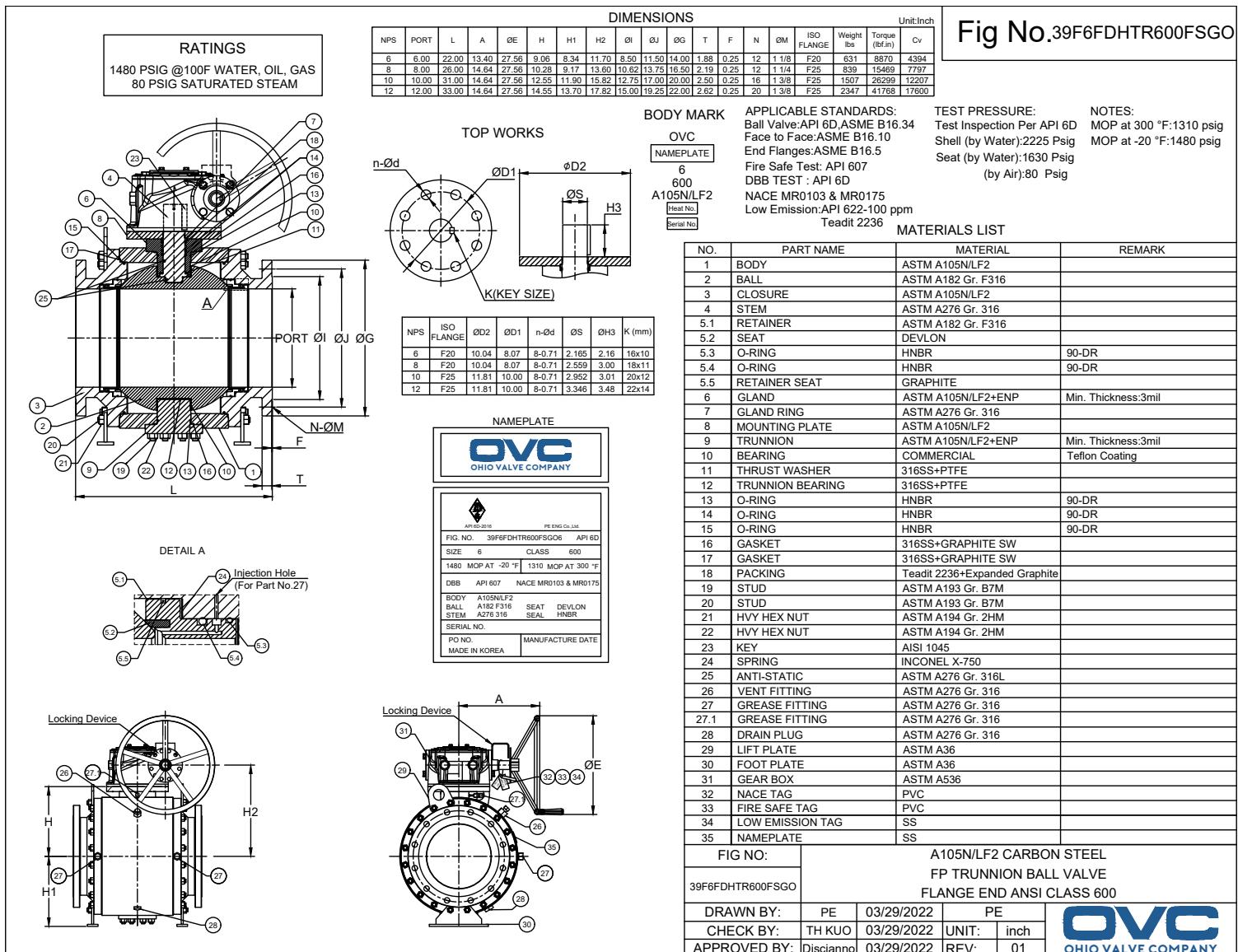


## Class 600 — Dimensions

SIZE	A			B	B1	O	H1	L	K	H	J	W	WEIGHT (lbs)
	RF	RTJ	WE										RF/RTJ
2x1.5"	11.50	11.62	11.50	1.50	2.01	6.50	4.37	3.89	6.50	7.20	-	9.90	-
2"	11.50	11.62	11.50	2.01	2.01	6.50	4.53	3.97	6.50	7.91	-	9.90	73
3x2"	14.00	14.12	14.00	2.01	3.03	8.25	4.53	3.97	8.25	7.91	-	9.90	-
3"	14.00	14.12	14.00	3.03	3.03	8.25	5.83	4.88	8.25	9.64	-	13.80	150
4x3"	17.00	17.12	17.00	3.03	4.02	10.75	5.83	4.88	10.75	9.64	-	13.80	-
4"	17.00	17.12	17.00	4.02	4.02	10.75	6.48	5.94	10.75	10.23	-	13.80	244
6x4"	22.00	22.12	22.00	4.02	5.99	14.00	6.48	5.94	14.00	10.23	-	13.80	-
6"	22.00	22.12	22.00	5.99	5.99	14.00	8.43	8.18	14.00	19.68	9.45	18.10	631
8x6"	26.00	26.12	26.00	5.99	7.99	16.50	8.43	9.08	16.50	19.68	9.45	18.10	-
8"	26.00	26.12	26.00	7.99	7.99	16.50	9.78	9.76	16.50	23.81	15.83	23.60	839
10x8"	31.00	31.12	31.00	7.99	10.00	20.00	9.78	10.82	20.00	23.81	15.83	23.60	-
10"	31.00	31.12	31.00	10.00	10.00	20.00	11.61	11.49	20.00	27.95	20.47	23.60	1507
12x10"	33.00	33.12	33.00	10.00	12.01	22.00	11.61	11.81	22.00	27.95	20.47	23.60	-
12"	33.00	33.12	33.00	12.01	12.01	22.00	13.23	12.75	22.00	34.92	21.38	29.50	2347
14x12"	35.00	35.12	35.00	12.01	13.27	23.75	13.23	12.75	23.75	34.92	21.38	29.50	-
14"	35.00	35.12	35.00	13.27	13.27	23.75	14.37	13.11	24.21	36.06	21.38	29.50	3000
16x14"	39.00	39.12	39.00	13.27	15.24	27.00	14.37	14.50	27.00	36.06	21.38	29.50	-
16"	39.00	39.12	39.00	15.24	15.24	27.00	16.04	15.47	27.36	37.71	21.38	29.50	3981
18x16"	43.00	43.12	43.00	15.24	17.25	29.25	16.04	15.64	29.25	37.71	21.38	29.50	-
18"	43.00	43.12	43.00	17.25	17.25	29.25	17.83	17.12	30.71	39.56	21.38	29.50	5600
20x18"	47.00	47.25	47.00	17.25	19.25	32.00	17.83	17.12	32.00	39.56	21.38	29.50	-
20"	47.00	47.25	47.00	19.25	19.25	32.00	19.69	18.70	33.86	38.43	25.27	29.50	6923
24x20"	55.00	55.38	55.00	19.25	23.27	37.00	19.69	19.49	37.00	38.43	25.27	29.50	-
24"	55.00	55.38	55.00	23.27	23.27	37.00	22.93	22.05	40.55	41.70	25.27	29.50	-

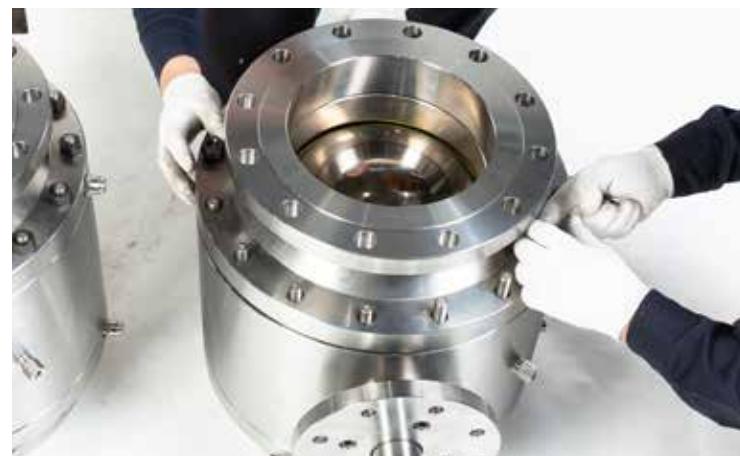
Lever operator for 3" and below, Worm Gear Box for 6" and above.

# GENERAL OVC DRAWING



# GENERAL OVC MTR

OHIO VALVE COMPANY MATERIAL TEST REPORT																						
2750 Holmes Road Houston, Texas 77051																						
(CHEMICAL, PHYSICAL & HYDROSTATIC)																						
EN 10204: 2004 Type 3.1																						
We hereby certify that the material described has been made and inspected in accordance with the specifications and requirements called for by the specified order.																						
Page No.:	X/X												Date:	XXX								
Order No.:	XXXXXX		Article:		XXXXXX						Country of Origin:		Korea									
Figure No.:	XXXXXX			Size:	XX	Class:			XXX			Quantity:			XXX							
<b>Valve Specifications</b>																						
Design	API 6D		Pressure Test		API 6D		Visual Test		N/A		Face to Face		ASME B16.10									
End Con.	Parts Material Type																					
R.F.	Ball		Body		Closure		Gland		Seat Ring		Seat		Seal		Stem	Trunnion	Bolts & Nuts					
ASME B16.5																						
Test Result	Shell:	XXXXXX	psi	Seat:	XXXXXX	psi	Seat Air:	XXXXXX	psi	DBB:	XXXXXX	psi	DBB Air:	XXXXXX	psi							
Pass	x min	XXXXXX	kPa	x min	XXXXXX	kPa	x min	XXXXXX	kPa	x min	XXXXXX	kPa	x min	XXXXXX	kPa							
Serial No.	Part Name	Chemical Components (%)										Mechanical Properties										
		Heat No.	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	Tensile [ksi] [MPa]	Yield [ksi] [MPa]	Elo [%]	RA [%]	HD [HB]	Ch.1 lbs-ft [J]	Ch.2 lbs-ft [J]	Ch.3 lbs-ft [J]	Ch.A [F]	Temp [C]
		BALL																				
		BODY																				
		CLOSURE																				
		CLOSURE																				
		GLAND																				
		SEAT RING																				
		SEAT RING																				
STEM																						
TRUNNION																						
<b>Remarks:</b>																						
VALVES TESTED PER API 6D														Certified by _____								
IN ACCORDANCE WITH EN 10204.3.1														Manager, Q.A Department : _____								
HEAT TREATMENT: A105/LF2 XXXX, XXXX°C XXHr XXMin (XX)														Witness Inspector : _____								
MATERIAL COMPLIES TO NACE MR0103 & NACE MR0175																						





OHIO VALVE COMPANY



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01.05.2022

