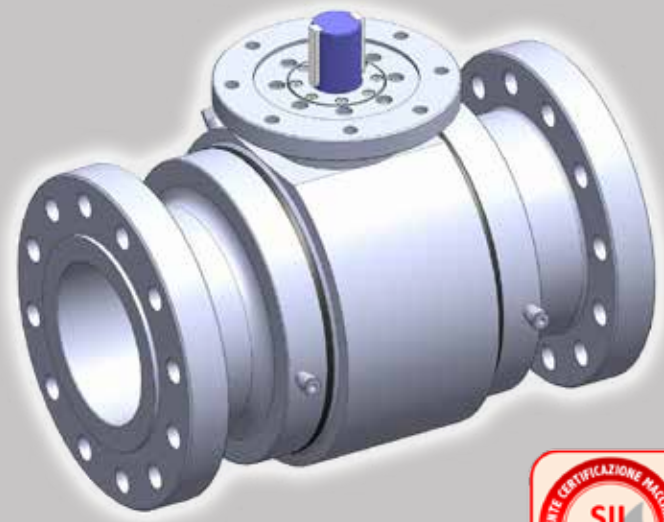


STANDARDS

- ISO 9001
- ASME / ANSI B16.10
- ASME B16.34, NACE MR01-75
- NACE MR 0175 compliance
- CRN Registered
- Double piston effect available

J Flow Controls 9500 Series
Fully Welded Valve
Metal to Metal or Soft Seated Ball Valves

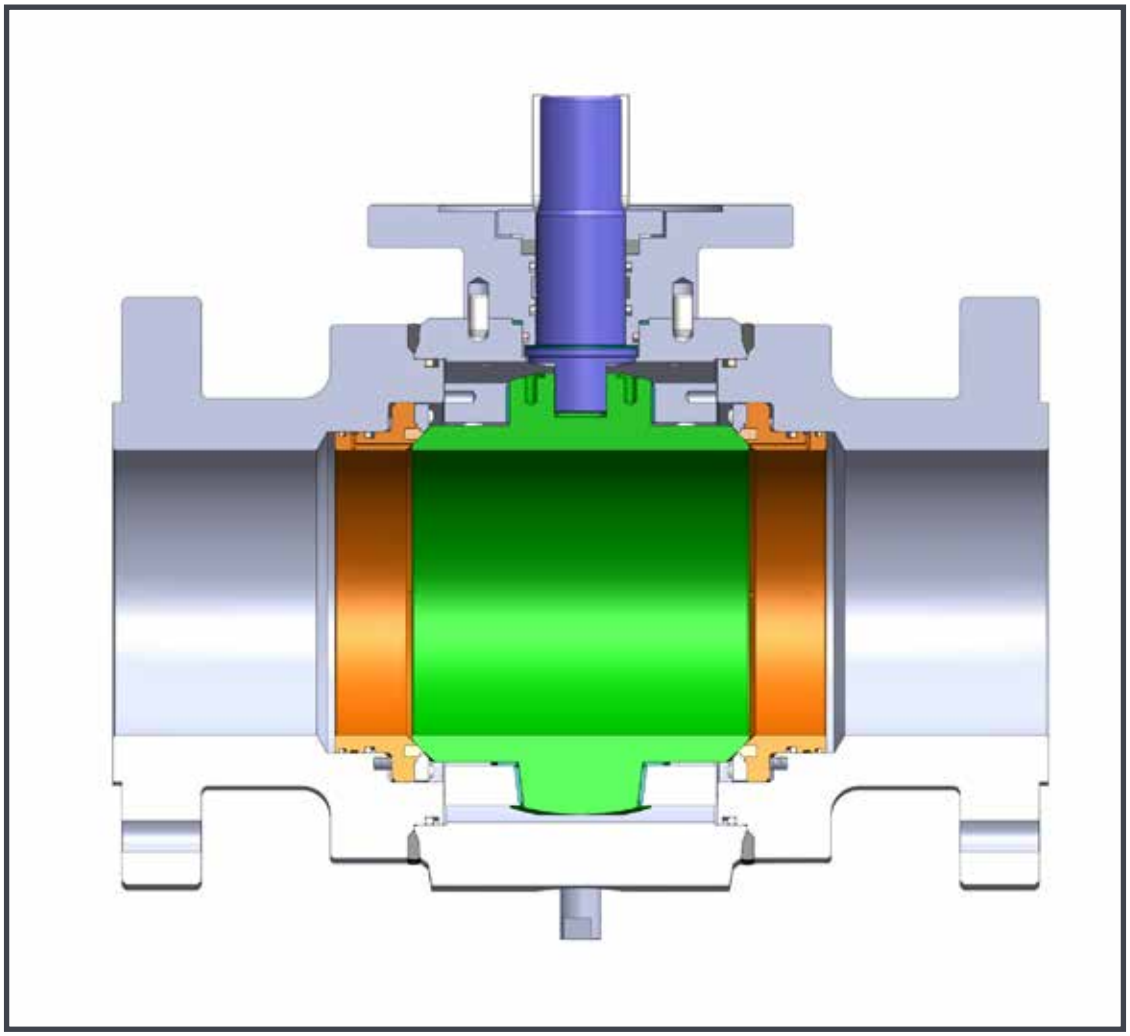
FEATURES & BENEFITS

- Size range: 2" to 60"
- ANSI 150 to 2500
- Forged components to assure uniformity
- Heavy duty, maintenance free performance
- Compact design eliminates body langes reducing overall size and leak paths
- MTR Reports available
- Valve marking MSS SP25
- Stem extensions available

APPLICATIONS & INDUSTRIES

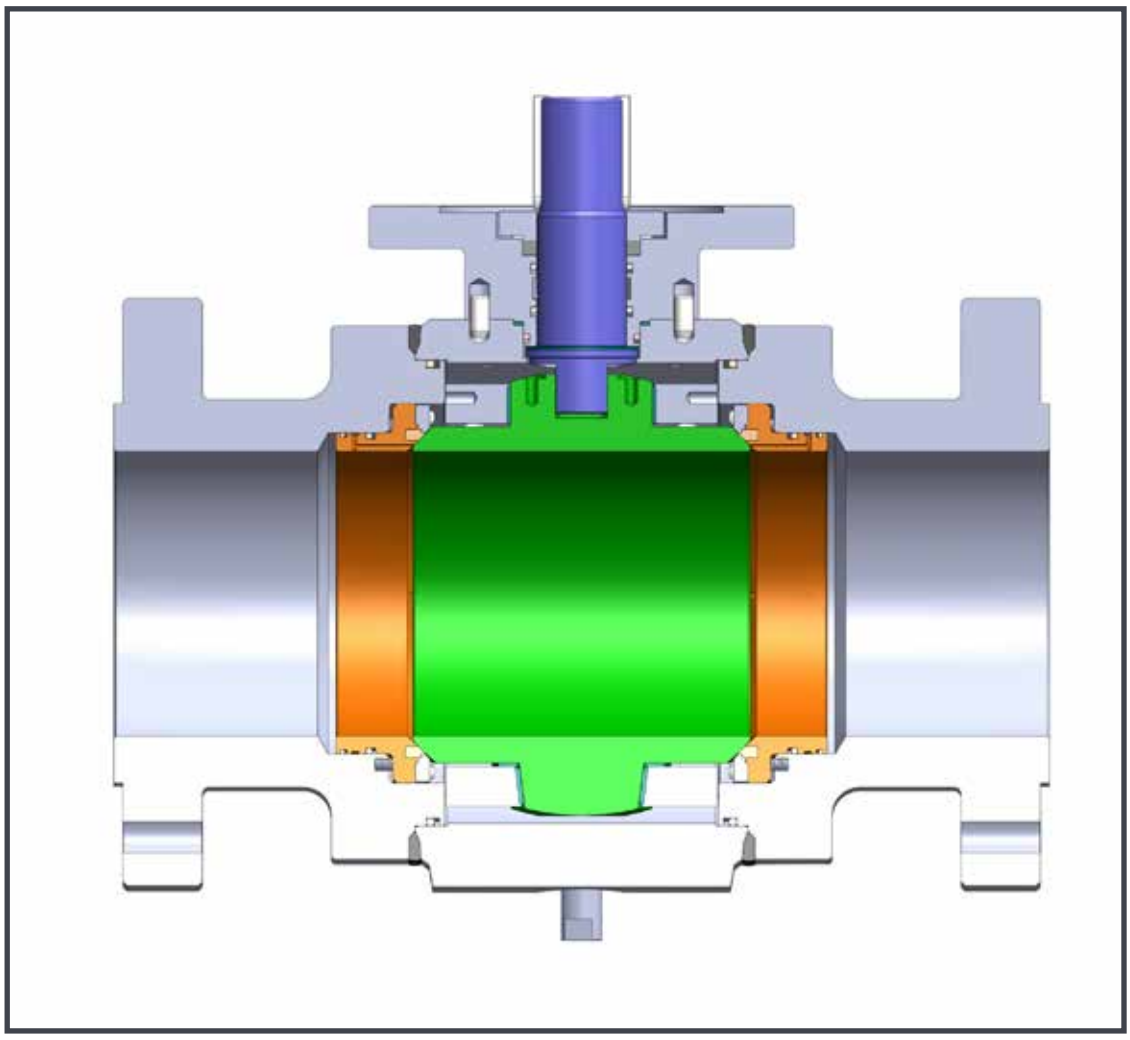
- Gas transmission
- Products pipeline
- Measurement skids
- Dehydration systems
- Gas separation systems
- Natural gas storage
- Dryer service
- NGL plants
- NGL pipeline
- Compressor stations
- CO_2 services
- Offshore
- Subsea

FEATURES & BENEFITS



- ASME / ANSI B16.10
- NACE MR 0175 compliance
- Wall thickness complies with B16.34
- J-Flow's single ball valve has a flat spring set acting through a hard face bearing against the bottom ball shaft which provides sufficient initial ball-seat load for valve tightness, even at low psi.
- J-Flow's design provides freedom for thermal expansion of the ball without jamming even at high temperatures
- Designed to ASME / ANSI B16.5, B16.10, B16.34, B31.1, B31.4 and B31.8 standards
- All metal seated trunnion valves come standard with grease fittings
- Standard welded valve comes with standard grease fittings (optional without grease fittings)

SEAT DESIGN

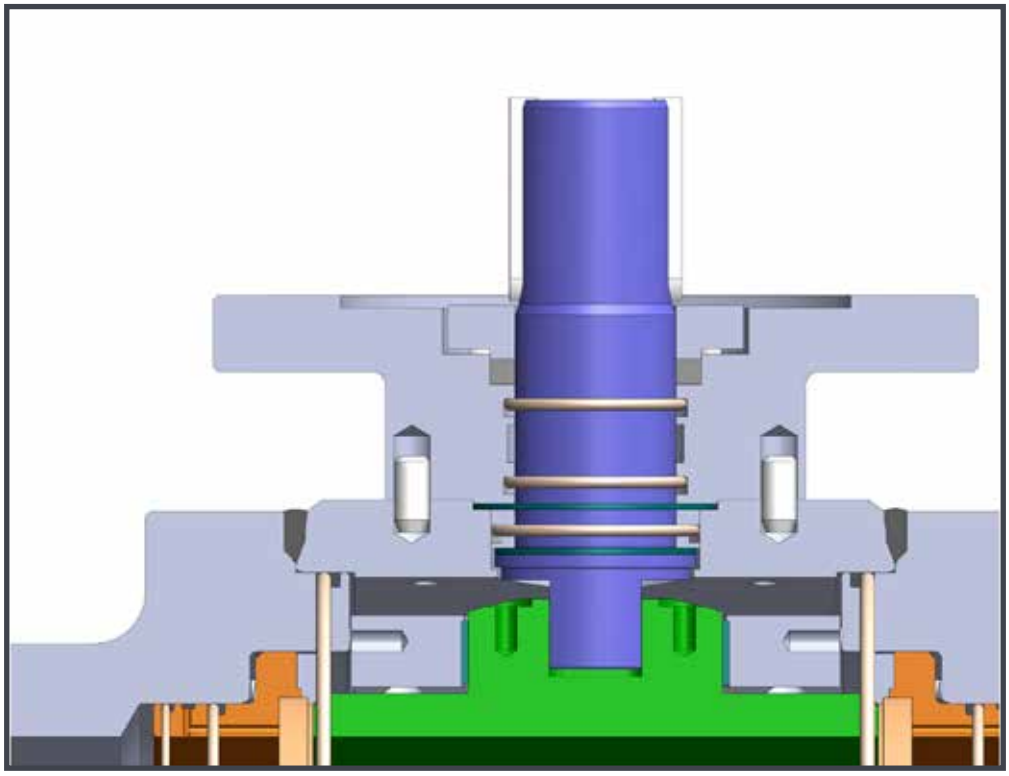


The valve seat design is encapsulated in a metal ring. Behind the metal ring is individual spring cartridges for bubble tight shutoff. Two body seals are included in the valve body.

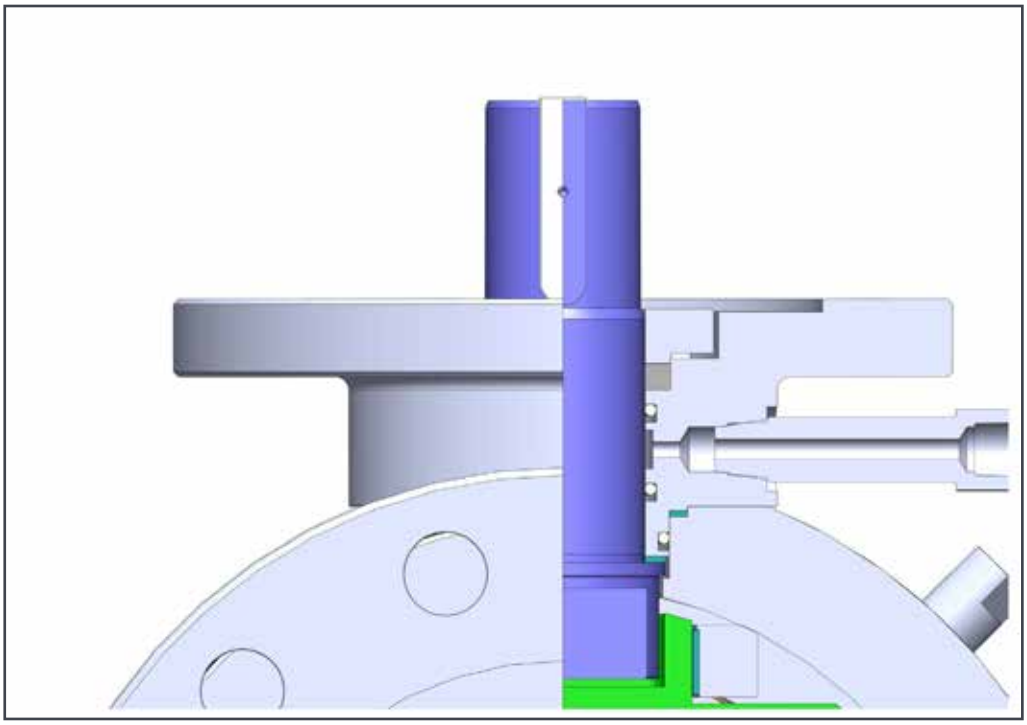
- Bi-directional sealing with a preferred direction ← (optional direction available)
- Internal stem bushing absorbs stem loading
- Secondary seal (seal gasket)
- External thrust bearing slightly reduces valve torque
- Unique ball and seat spring loading technology
- Plasma spray custom trim coating technology with hardness in excess of 70 RC
- Superior ball and seat finish to 2-4 RMS
- Seat shroud eliminates particle migration into seat recess

PACKING DESIGN

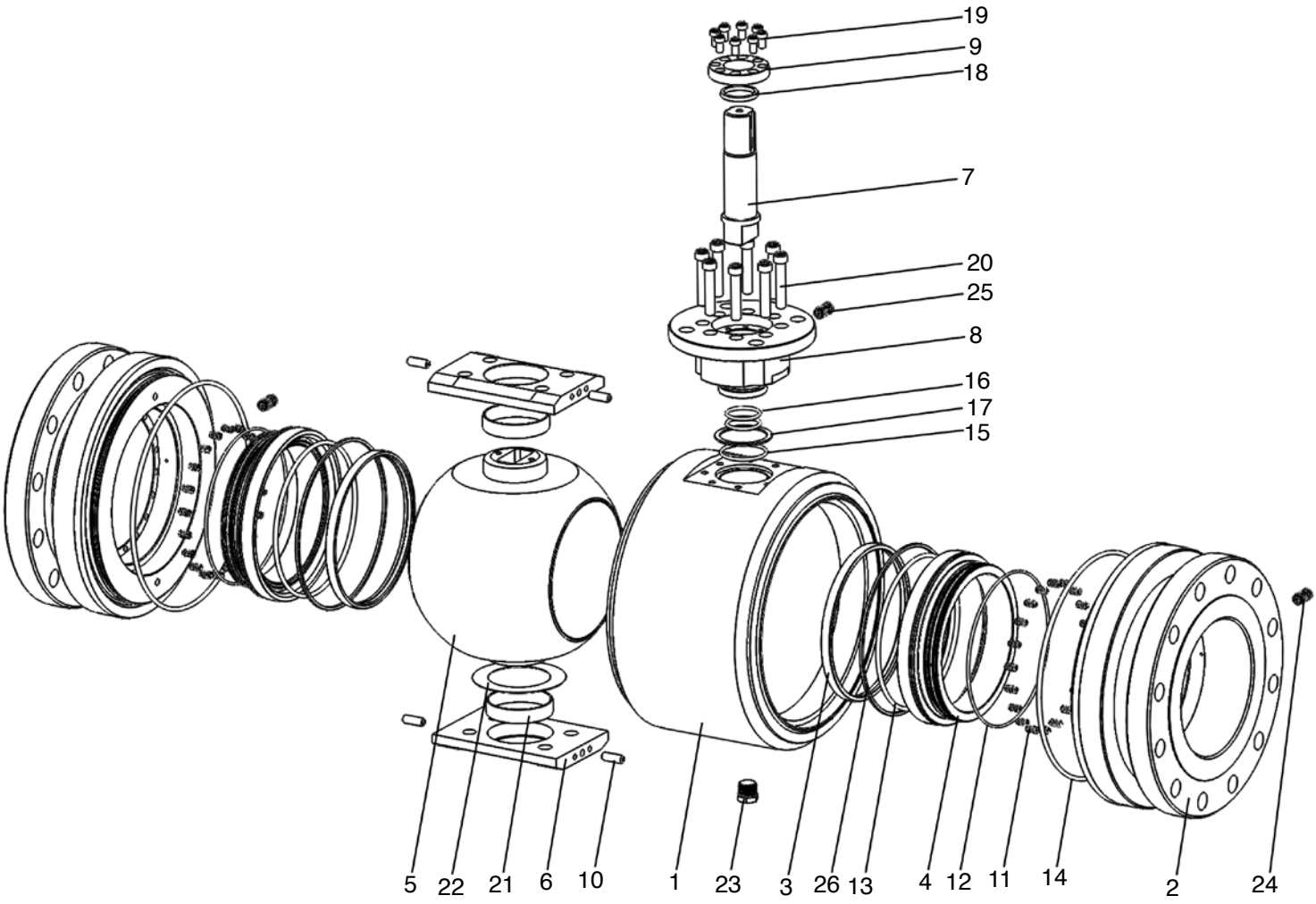
Triple stem packing design



STEM GREASE INJECTION

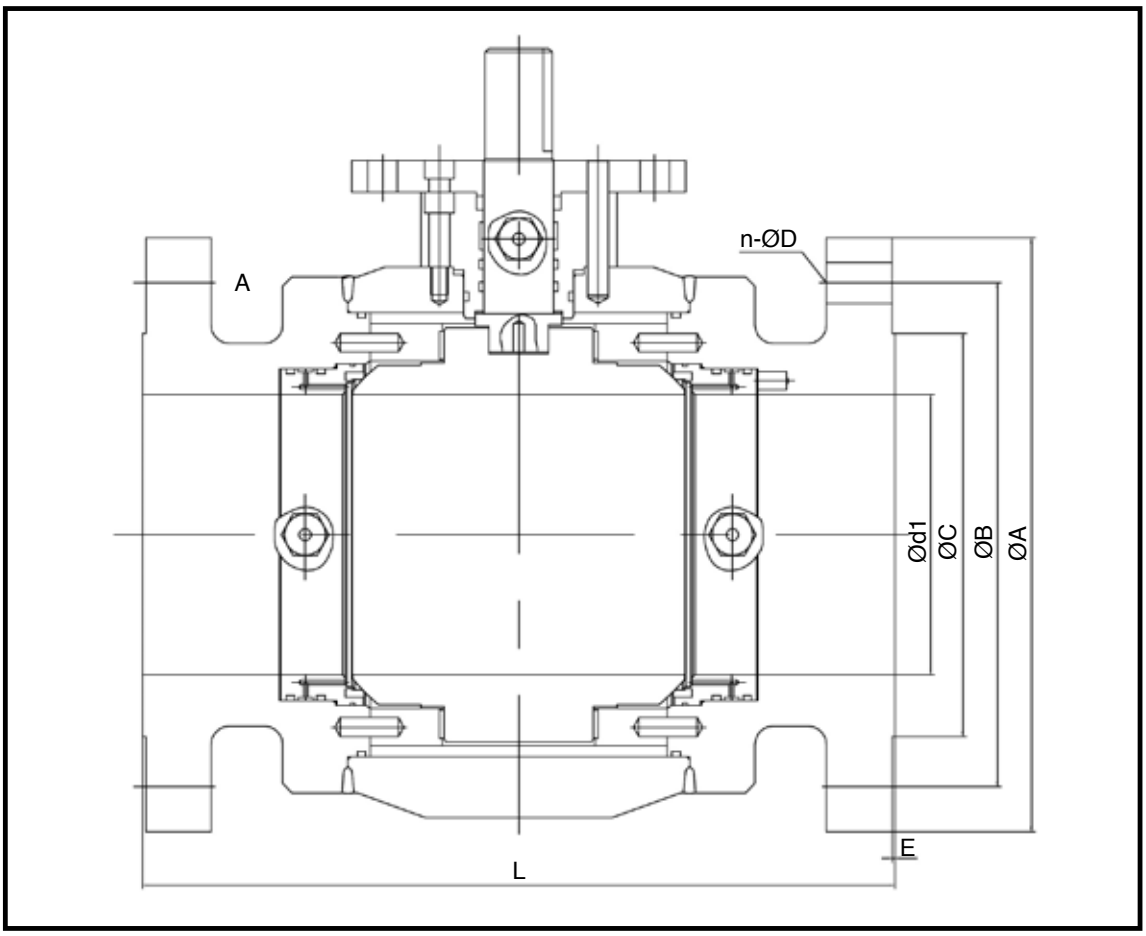


PARTS IDENTIFICATION



Part. No.	Description		Part. No.	Description
1	Body		14	O-ring
2	End Cap		15	O-ring
3	Seat		16	O-ring
4	Seat Retainer		17	Gasket
5	Ball		18	Packing
6	Supporting Plate		19	Stud
7	Stem		20	Stud
8	Stem Housing		21	Slide Bearing
9	Gland		22	Thrust Bearing
10	Pin		23	Drain Plug
11	Seat Spring		24	Seat Grease Fitting
12	O-ring		25	Stem Grease Fitting
13	O-ring			

DIMENSIONS



DIMENSIONS

ANSI Class 150#

Size (in)	*L*	*d1*	*A*	*B*	*C*	*E*	*n-ØD*
2	7.00	1.94	6.00	4.75	3.62	0.06	4-0.75
3	8.00	2.94	7.50	6.00	5.00	0.06	4-0.75
4	9.00	3.94	9.00	7.50	6.19	0.06	8-0.75
6	15.5	5.94	11.00	9.50	8.50	0.06	8-0.88
8	18.0	7.94	13.5	11.75	10.63	0.06	8-0.88
10	21.0	9.94	16	14.25	12.75	0.06	12-1
12	24.0	11.94	19	17	15	0.06	12-1
14	27.0	13.19	21	18.75	16.25	0.06	12-1.13
16	30.0	15.19	23.5	21.25	18.5	0.06	16-1.13
18	34.0	17.19	25	22.75	21	0.06	16-1.25
20	36.0	19.19	27.5	25	23	0.06	20-1.25
24	42.0	23.19	32	29.5	27.25	0.06	20-1.38
28	49.0	26.94	36.5	34	31.5	0.06	28-1.38
30	51.0	28.94	38.75	36	33.75	0.06	28-1.38
36	60.0	34.44	46	42.75	40.25	0.06	32-1.63
40	69.0	38.44	50.75	47.25	44.25	0.06	36-1.63
42	72.0	40.19	53	49.5	47	0.06	36-1.63
48	80.0	45.94	59.5	56	53.5	0.06	44-1.63
56	98.0	53.56	68.75	65	62	0.06	48-1.88

DIMENSIONS

ANSI Class 300#

Size (in)	*L*	*d1*	*A*	*B*	*C*	*E*	*n-ØD*
2	8.50	1.94	6.50	5.00	3.62	0.06	8-0.75
3	11.13	2.94	8.25	6.62	5.00	0.06	8-0.88
4	12.00	3.94	10.00	7.88	6.19	0.06	8-0.88
6	15.88	5.94	12.50	10.62	8.50	0.06	12-0.88
8	19.75	7.94	15	13	10.63	0.06	12-1
10	22.38	9.94	17.5	15.25	12.75	0.06	16-1.13
12	25.50	11.94	20.5	17.75	15	0.06	16-1.25
14	30.0	13.19	23	20.25	16.25	0.06	20-1.25
16	33.0	15.19	25.5	22.5	18.5	0.06	20-1.38
18	36.0	17.19	28	24.75	21	0.06	24-1.38
20	39.0	19.19	30.5	27	23	0.06	24-1.38
24	45.0	23.19	36	32	27.25	0.06	24-1.63
28	53.0	26.94	40.75	37	31.5	0.06	28-1.75
30	55.0	28.94	43	39.25	33.75	0.06	28-1.88
36	68.0	34.44	50	46	40.25	0.06	32-2.13
40	77.0	38.44	48.75	45.5	42.75	0.06	32-1.75
42	82.0	40.19	50.75	47.5	44.75	0.06	32-1.75
48	85.45	45.94	57.75	54	51.25	0.06	32-2
56	108	53.56	67.25	63	59.75	0.06	28-2.38

DIMENSIONS

ANSI Class 600#

Size (in)	*L*	*d1*	*A*	*B*	*C*	*E*	*n-ØD*
2	11.50	1.94	6.5	5	3.62	0.25	8-0.75
3	14.0	2.94	8.25	6.62	5.00	0.25	8-0.88
4	17.0	3.94	10.75	8.5	6.19	0.25	8-1
6	22.0	5.94	14	11.5	8.5	0.25	12-1.13
8	26.0	7.94	16.5	13.75	10.63	0.25	12-1.25
10	31.0	9.94	20	17	12.75	0.25	16-1.38
12	33.0	11.94	22	19.25	15	0.25	20-1.38
14	35.0	13.19	23.75	20.75	16.25	0.25	20-1.5
16	39.0	15.19	27	23.75	18.5	0.25	20-1.63
18	43.0	17.19	29.25	25.75	21	0.25	20-1.75
20	47.0	19.19	32	28.5	23	0.25	24-1.75
24	55.0	23.19	37	33	27.25	0.25	24-2
28	61.0	26.94	42.25	38	31.5	0.25	28-2.13
30	65.0	28.94	44.5	40.25	33.75	0.25	28-2.13
36	82.0	34.44	51.75	47	40.25	0.25	28-2.63
40	85.43	38.44	52	47.75	43.75	0.25	32-2.38
42	85.63	40.19	55.25	50.5	46	0.25	28-2.63
48	95.87	45.94	62.75	57.5	52.5	0.25	32-2.88
56	106.7	53.56	73	66.75	60.75	0.25	32-3.38

DIMENSIONS

ANSI Class 900#

Size (in)	*L*	*d1*	*A*	*B*	*C*	*E*	*n-ØD*
2	14.5	1.94	8.5	6.5	3.62	0.25	8-1
2.5	16.5	2.44	9.63	7.5	4.13	0.25	8-1.13
3	15.0	2.94	9.5	7.5	5	0.25	8-1
4	18.0	3.94	11.5	9.25	6.19	0.25	8-1.25
6	24.0	5.94	15	12.5	8.5	0.25	12-1.25
8	29.0	7.94	18.5	15.5	10.63	0.25	12-1.5
10	33.0	9.94	21.5	18.5	12.75	0.25	16-1.5
12	38.0	11.94	24	21	15	0.25	20-1.5
14	40.5	12.69	25.25	22	16.25	0.25	20-1.63
16	44.5	14.69	27.75	24.25	18.5	0.25	20-1.75
18	48.0	16.69	31	27	21	0.25	20-2
20	52.0	18.56	33.75	29.5	23	0.25	20-2.13
24	61.0	22.44	41	35.5	27.25	0.25	20-2.63
28	69.0	26.19	46	40.25	31.5	0.25	20-3.13
30	74.0	28.06	48.5	42.75	33.75	0.25	20-3.13

DIMENSIONS

ANSI Class 1500#

Size (in)	L	d1	A	B	C	E	n-ØD
2	14.5	1.94	8.5	6.5	3.62	0.25	8-1
2.5	16.5	2.44	9.63	7.5	4.13	0.25	8-1.13
3	18.5	2.94	10.5	8	5	0.25	8-1.25
4	21.5	3.94	12.25	9.5	6.19	0.25	8-1.38
6	27.75	5.69	15.5	12.5	8.5	0.25	12-1.5
8	32.75	7.56	19	15.5	10.63	0.25	12-1.75
10	39.0	9.44	23	19	12.75	0.25	12-2
12	44.5	11.31	26.5	22.5	15	0.25	16-2.13
14	49.5	12.44	29.5	25	16.25	0.25	16-2.38
16	54.5	14.19	32.5	27.75	18.5	0.25	16-2.63
18	60.5	16.0	36	30.5	21	0.25	16-2.88
20	65.5	17.88	38.75	32.75	23	0.25	16-3.13
24	80.43	21.50	46	39	27.25	0.25	16-3.63

ANSI Class 2500#

Size (in)	L	d1	A	B	C	E	n-ØD
2	17.75	1.69	9.25	6.75	3.62	0.25	8-1.13
2.5	20.0	2.06	10.5	7.75	4.13	0.25	8-1.25
3	22.75	2.44	12	9	5	0.25	8-1.38
4	26.5	3.44	14	10.75	6.19	0.25	8-1.63
6	36.0	5.19	19	14.5	8.5	0.25	8-2.13
8	40.25	7.06	21.75	17.25	10.63	0.25	12-2.13
10	50.0	8.81	26.5	21.25	12.75	0.25	12-2.63
12	56.0	10.44	30	24.38	15	0.25	12-2.88

HOW TO ORDER

Sizes		Series	Body[1], Ball & Stem		Port		Body Seal		Packing	
7	2"	**F95**	**00**	CF8	**F**	Full	**T**	TFM 1600	**T**	TFM 1600
8	2-1/2"		**0L**	CF3	**R**	Reduced	**C**	TFM4215	**C**	TFM4215
9	3"		**11**	LF5			**G**	Graphite	**G**	Graphite
A	4"		**23**	WCB, CF8M Ball & Stem			**U**	UHMWPE	**U**	UHMWPE
C	6"		**33**	CF8M						
E	8"		**44**	Alloy 20						
F	10"		**55**	Monel						
G	12"		**6L**	CF3M						
H	14"		**77**	Hastelloy C						
K	16"		**88**	LF2/LCB 17-4 Stem						
L	18"		**83**	LCB, CF8M Ball & Stem						
M	20"		**99**	Duplex						
N	2""		**AA**	A105 with Chrome						
O	24"		**AB**	A105, AISI 410 trim						
P	36"		**EE**	A105 with Electroless Nickel Ball & Stem						
S	40"									
T	60"									

Seat		End Connection		Options	
4	AISI 410 + Tungsten Carbide (TCC)	**B1**	BW10	**GO**	Gear Operator
D	Devlon	**B4**	BW40	**FS**	Fire Safe
M	Metal 316 Stellite Overlay	**B8**	BW80	**SE**	Stem Extension
I	Inconel Metal Seat	**SW**	Socket Weld	**VB**	Vented Ball
5	Metal Tongsten Carbide	**FF**	Flat Face	**3**	316/SS410 w/ Tungsten Carbide coating or hard chrome coating on ball
N	Nylon	**F1**	ANSI 150	**T2**	A105 Spring
R	Reinforced	**F3**	ANSI 300	**T3**	316 Spring
C*	Carbon TFM	**F6**	ANSI 600	**TL**	316L Spring
		F9	ANSI 900	**TX**	Inconel 750 Spring
		F5	ANSI 1500	**TY**	Alloys Spring
		F2	ANSI 2500	**TZ**	A105 w/electroless nickel spring
		RT	Ring Type Joint		

* Double Seated, First Metal, Second Soft

[1] Please see the J Flow Controls Configurator for a full list of design options

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