



Crown-Fusion



Trunnion Mounted Ball Valves





Company Overview

For more than 60 years, Stream-Flo Industries Ltd. has been delivering value to the energy industry by developing long-term partnerships with our customers and providing them with customized solutions for the complex challenges they face. Our industry-leading wellheads, gate

valves, check valves, ball valves, and surface safety valves that we manufacture assist our customers in achieving their goals, and as a privately-owned company, we offer superior stability in an unpredictable world. We also provide comprehensive services including field maintenance/installation, remanufacturing, and customer property management. With safety and peace of mind at the forefront of all that we do, we're never fully satisfied until you—the customer—are too.

“ *Our more than 50 years' experience in oilfields around the world have helped us to build a global network of on-the-ground personnel committed to innovating and delivering the best customer experience.*

We are where our customers need us.

— **Mark McNeill,**
President, The Stream-Flo Group of Companies

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Integrity



Quality



Innovation





Crown-Fusion

Crown-Fusion Series 432 Trunnion Ball Valve

2" to 24" Full Port/Reduced Port

150 to 2500 ASME Class

Features & Benefits

- DBB, DIB1 & DIB2 Singular Envelope Patented Design. Crown-Fusion Series 432 trunnions feature a singular body and adapter piece design that allows the valves to be supplied with standard self-relieving seats (SRS) and can easily be converted to double piston effect seats (DPE) for DIB1 or DIB2 configuration. The change involves the simple removal of the SRS seat carrier assembly and installation of the DPE seat carrier assembly. No machining or welding required, providing cost effective flexibility in seat configuration. DIB2 "Hybrid" option provides upstream and downstream seating while eliminating the need for external differential thermal relief (DTR) kits.
- Devlon Seats/AED O-Rings. Provide the best combination of durability, ease of operation, temperature range and process compatibility. Seals are North American sourced to ensure quality.
- Standard 3-mil ENP Plating. Improved corrosion resistance versus more commonly used 1-mil ENP coating which provides cost reduction and similar corrosion resistance to stainless steel.
- Stainless Steel Emergency Seat and Stem Injection Fittings. Allows for maintenance of seats and seals damaged by application media, weld slag, other debris, or periodic lubrication of the seat pockets and stem journal. Seat injection fittings not available on Series 432 in NPS 2", 3" and 4" 150/300 ASME full and reduced port and NPS 6" reduced port 150/300 ASME. If feature is required use Series 422 ball valve. Please refer to IOM for details.
- Certified to API641 Fugitive Emission Compliant.
- Double Block and Bleed Capability. Valves are inherently able to test seat integrity through a double block and bleed test.
- Inconel Wave Springs assists in low pressure sealing.

Industry Standards requirements

- Blowout Proof Stem Design
- Standard Anti-Static Device
- Corrosion Resistant Low Friction Trunnion Bearing
- Standard Locking Plate NPS 2" – 4"; NPS ≥ 6" gear locking pin.

Industry standard actuation modification capability

- ISO 5211 Actuator Mounting Pad

Conformance to Industry Standards

- Manufactured in accordance of API Q1 quality system ISO 9001: 2015 quality system, API 6D (monogrammed), API 608, API 598, API 607/6FA, API 641, ASME B16.34, NACE MR0175/ISO15156, MSS SP-25 and CSA Z245.15
- CRN Registration (Canada) – All provinces
- CE – PED compliance and marking available upon customer request.

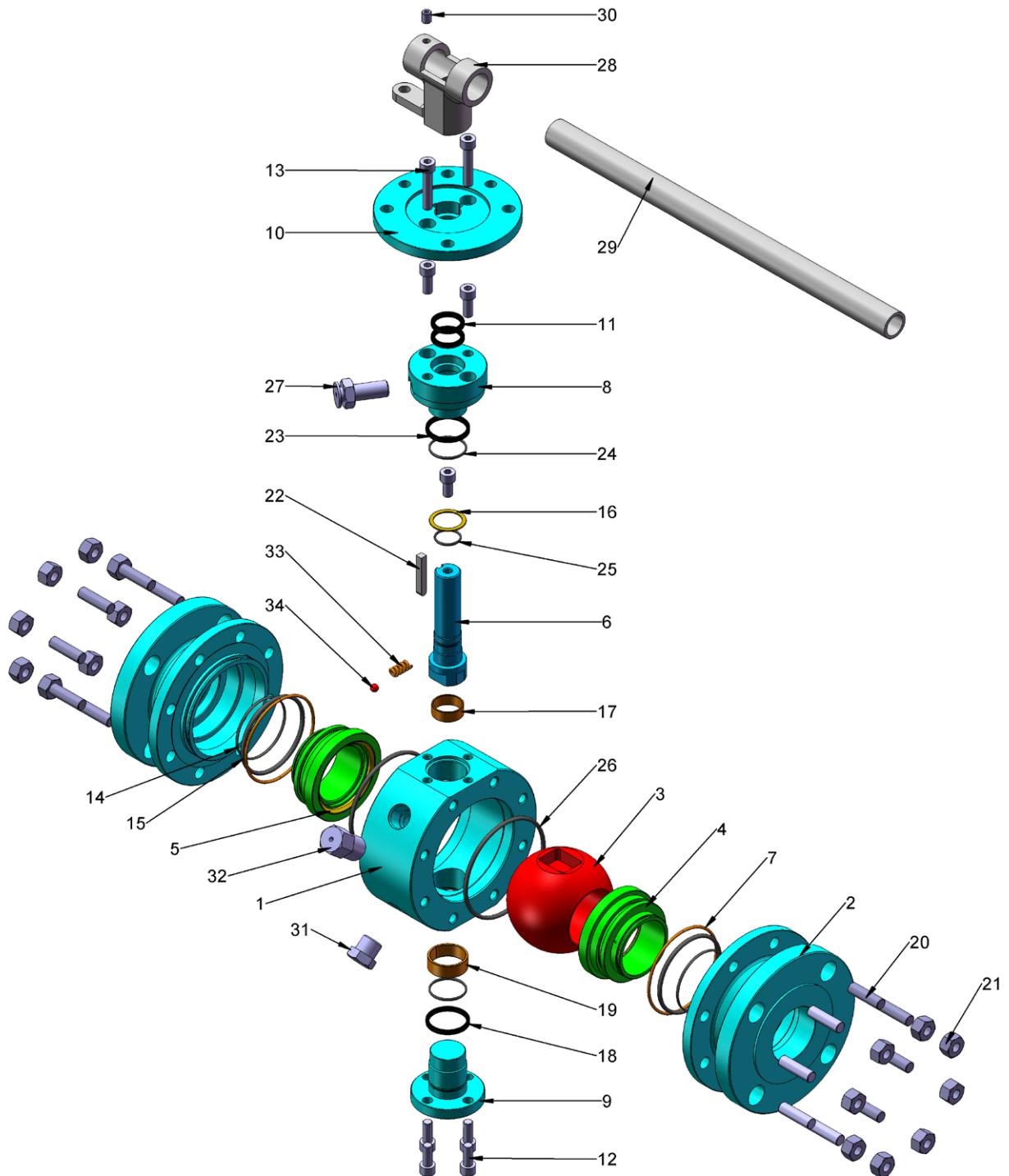
**Stainless steel trim and/or other alloys are available upon request.*





Crown-Fusion

**2-4" FP & 3-6" RP Class 150 - 300
Flanged End Connections**



2-4" FP & 3-6" RP Class 150 – 300

Bill of Materials:

ITEM	PART	STAINLESS STEEL	CARBON STEEL LOW TEMP	CARBON STEEL
1	BODY	ASTM A182 F316	ASTM A350 LF2 CLASS 1	ASTM A105
2	ADAPTER	ASTM A182 F316	ASTM A350 LF2 CLASS 1	ASTM A105
3	BALL	ASTM A182 F316	ASTM A350 LF2 CLASS 1+ENP	ASTM A350 LF2 CLASS 1+ENP
3*	BALL (SS TRIM)	ASTM A182 F316	ASTM A182 F316	ASTM A182 F316
† 4	SEAT HOLDER	ASTM A182 F316	ASTM A350 LF2 CLASS 1+ENP	ASTM A350 LF2 CLASS 1+ENP
† 4*	SEAT HOLDER (SS TRIM)	ASTM A182 F316	ASTM A182 F316	ASTM A182 F316
† 5	SEAT INSERT	DEVLON /PTFE/RPTFE/TFM	DEVLON /PTFE/RPTFE/TFM	DEVLON /PTFE/RPTFE/TFM
6	STEM	17-4PH	4140/42CRMO+ENP	4140/42CRMO+ENP
6*	STEM (SS TRIM)	17-4PH	17-4PH	17-4PH
7	WAVE SPRING	INCONEL X-750	INCONEL X-750	INCONEL X-750
8	BONNET	ASTM A182 F316	ASTM A350 LF2 CLASS 1	ASTM A105
9	TRUNNION	ASTM A182 F316	ASTM A350 LF2 CLASS 1+ENP	ASTM A105+ENP
10	GLAND FLANGE	304SS	C/S	C/S
† 11	STEM PACKING	GRAPHITE	GRAPHITE	GRAPHITE
12	CAP SCREW	ASTM A320 L7M WITH ZINC PLATING	ASTM A320 L7M	ASTM A320 L7M
13	CAP SCREW	ASTM A320 L7M WITH ZINC PLATING	ASTM A320 L7M	ASTM A320 L7M
† 14	SEAT O-RING	HNBR /VITON	HNBR /VITON	HNBR /VITON
† 15	SEAT O-RING	HNBR /VITON	HNBR /VITON	HNBR /VITON
† 16	STEM THRUST WASHER	DEVLON /PTFE/RPTFE/TFM	DEVLON /PTFE/RPTFE/TFM	DEVLON /PTFE/RPTFE/TFM
17	STEM BUSHING	SS+PTFE	C/S+PTFE	C/S+PTFE
† 18	TRUNNION GASKET	GRAPHITE	GRAPHITE	GRAPHITE
19	TRUNNION BUSHING	SS+PTFE	C/S+PTFE	C/S+PTFE
20	STUD	ASTM A320 L7M WITH ZINC PLATING	ASTM A320 L7M	ASTM A320 L7M
21	NUT	ASTM A194 7ML WITH ZINC PLATING	ASTM A194 7ML	ASTM A194 7ML
22	KEY	1045	1045	1045
† 23	BONNET GASKET	GRAPHITE	GRAPHITE	GRAPHITE
† 24	BONNET O-RING	HNBR /VITON	HNBR /VITON	HNBR /VITON
† 25	STEM O-RING	HNBR /VITON	HNBR /VITON	HNBR /VITON
† 26	ADAPTER O-RING	HNBR /VITON	HNBR /VITON	HNBR /VITON
27	STEM INJECTION FITTING	304SS	304SS	304SS
28	HANDLE HOLDER	C/S	C/S	C/S
29	PIPE	C/S	C/S	C/S
30	SET SCREW	C/S	C/S	C/S
31	DRAIN PLUG	316SS	304SS	304SS
32	VENT VALVE	316SS	304SS	304SS
33	ANTISTATIC SPRING	304SS	304SS	304SS
34	ANTISTATIC BALL	304SS	304SS	304SS

*SS trim only

† Minor repair kit

Bold denotes standard offering

Stream-Flo reserves the right to offer alternate materials

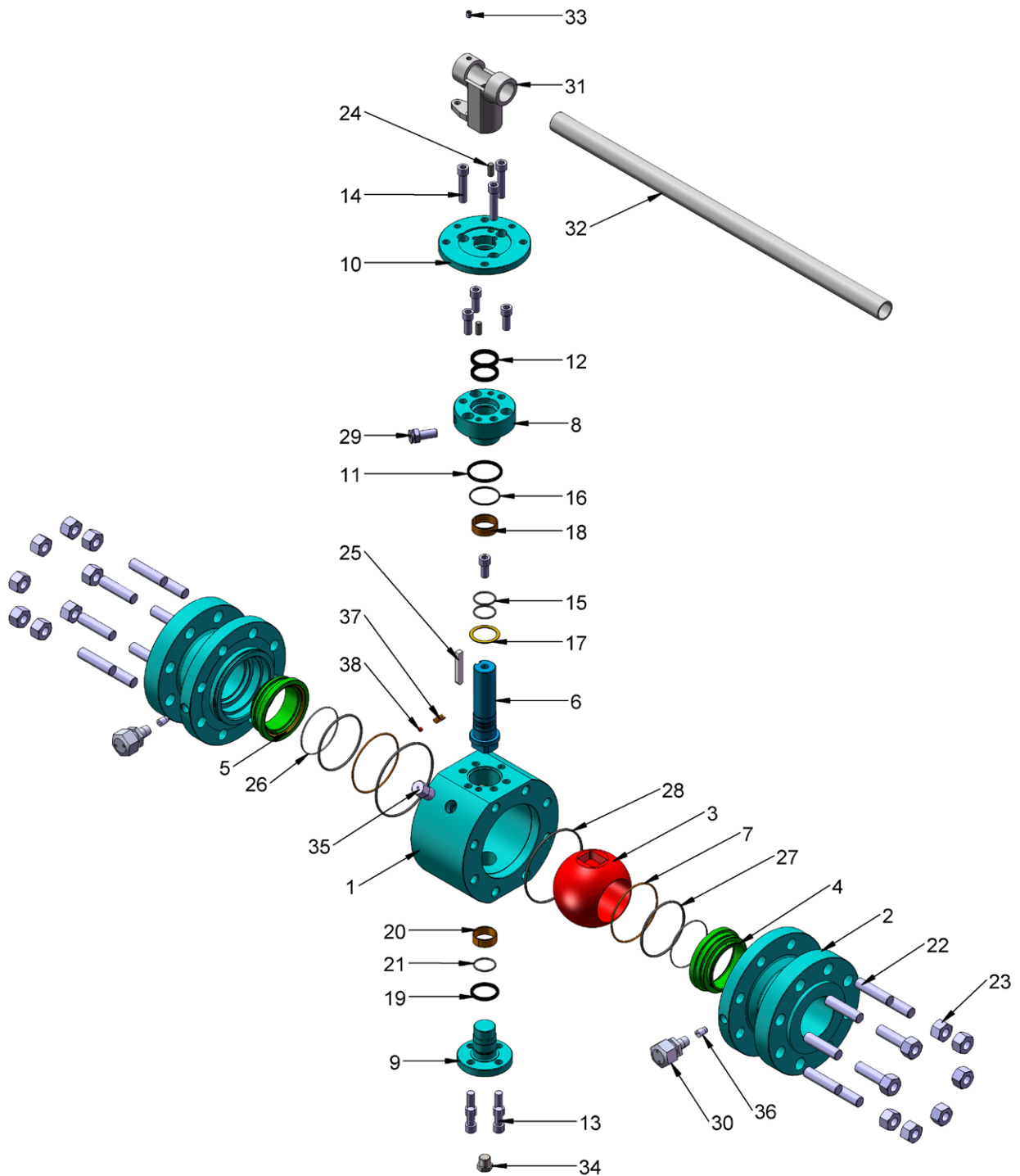


Crown-Fusion

2-4" FP & 3-6" RP Class 600 – 1500

Flanged End Connections

Note: 3" Class 1500/4" Class 600-1500 with Gear Operator



2-4" FP & 3-6" RP Class 600 – 1500

Bill of Materials:

ITEM	PART	STAINLESS STEEL	CARBON STEEL LOW TEMP	CARBON STEEL
1	BODY	ASTM A182 F316	ASTM A350 LF2 CLASS 1	ASTM A105
2	ADAPTER	ASTM A182 F316	ASTM A350 LF2 CLASS 1	ASTM A105
3	BALL	ASTM A182 F316/F6A	ASTM A350 LF2 CLASS1+ENP	ASTM A350 LF2 CLASS 1+ENP
3*	BALL (SS TRIM)	ASTM A182 F316/F6A	ASTM A182 F316/F6A	ASTM A182 F316/F6A
† 4	SEAT HOLDER	ASTM A182 F316/F6A	ASTM A350 LF2 CLASS 1+ENP	ASTM A350 LF2 CLASS 1+ENP
† 4*	SEAT HOLDER (SS TRIM)	ASTM A182 F316/F6A	ASTM A182 F316/F6A	ASTM A182 F316/F6A
† 5	SEAT INSERT	DEVLON	DEVLON	DEVLON
6	STEM	17-4PH	4140/42CRMO+ENP/17-4PH	4140/42CRMO+ENP/17-4PH
6*	STEM (SS TRIM)	17-4PH	17-4PH	17-4PH
7	WAVE SPRING	INCONEL X-750	INCONEL X-750	INCONEL X-750
8	BONNET	ASTM A182 F316	ASTM A350 LF2 CLASS 1	ASTM A105
9	TRUNNION	ASTM A182 F316	ASTM A350 LF2 CLASS 1+ENP	ASTM A105+ENP
10	GLAND FLANGE	304SS	C/S	C/S
† 11	BONNET GASKET	GRAPHITE	GRAPHITE	GRAPHITE
† 12	STEM PACKING	GRAPHITE	GRAPHITE	GRAPHITE
13	CAP SCREW	ASTM A320 L7M WITH ZINC PLATING	ASTM A320 L7M	ASTM A320 L7M
14	CAP SCREW	ASTM A320 L7M WITH ZINC PLATING	ASTM A320 L7M	ASTM A320 L7M
† 15	STEM O-RING	HNBR/VITON	HNBR/VITON	HNBR/VITON
† 16	BONNET O-RING	HNBR/VITON	HNBR/VITON	HNBR/VITON
† 17	STEM THRUST WASHER	DEVLON/RPTFE/TFM	DEVLON/RPTFE/TFM	DEVLON/RPTFE/TFM
18	STEM BUSHING	SS+PTFE	C/S+PTFE	C/S+PTFE
† 19	TRUNNION GASKET	GRAPHITE	GRAPHITE	GRAPHITE
20	TRUNNION BUSHING	SS+PTFE	C/S+PTFE	C/S+PTFE
† 21	TRUNNION O-RING	HNBR/VITON	HNBR/VITON	HNBR/VITON
22	STUD	ASTM A320 L7M WITH ZINC PLATING	ASTM A320 L7M	ASTM A320 L7M
23	NUT	ASTM A194 7ML WITH ZINC PLATING	ASTM A194 7ML	ASTM A194 7ML
24	PIN	410	4130	4130
25	KEY	1045	1045	1045
† 26	SEAT O-RING	HNBR/VITON	HNBR/VITON	HNBR/VITON
† 27	SEAT O-RING	HNBR/VITON	HNBR/VITON	HNBR/VITON
† 28	ADAPTER O-RING	HNBR/VITON	HNBR/VITON	HNBR/VITON
29	STEM INJECTION FITTING	304SS	304SS	304SS
30	SEAT INJECTION FITTING	304SS	304SS	304SS
31	HANDLE HOLDER	C/S	C/S	C/S
32	PIPE	C/S	C/S	C/S
33	SET SCREW	C/S	C/S	C/S
34	DRAIN PLUG	316SS	304SS	304SS
35	VENT VALVE	316SS	304SS	304SS
36	SMALL CHECK VALVE	316SS	304SS	304SS
37	ANTISTATIC SPRING	304SS	304SS	304SS
38	ANTISTATIC BALL	304SS	304SS	304SS

*SS trim only

† Minor repair kit

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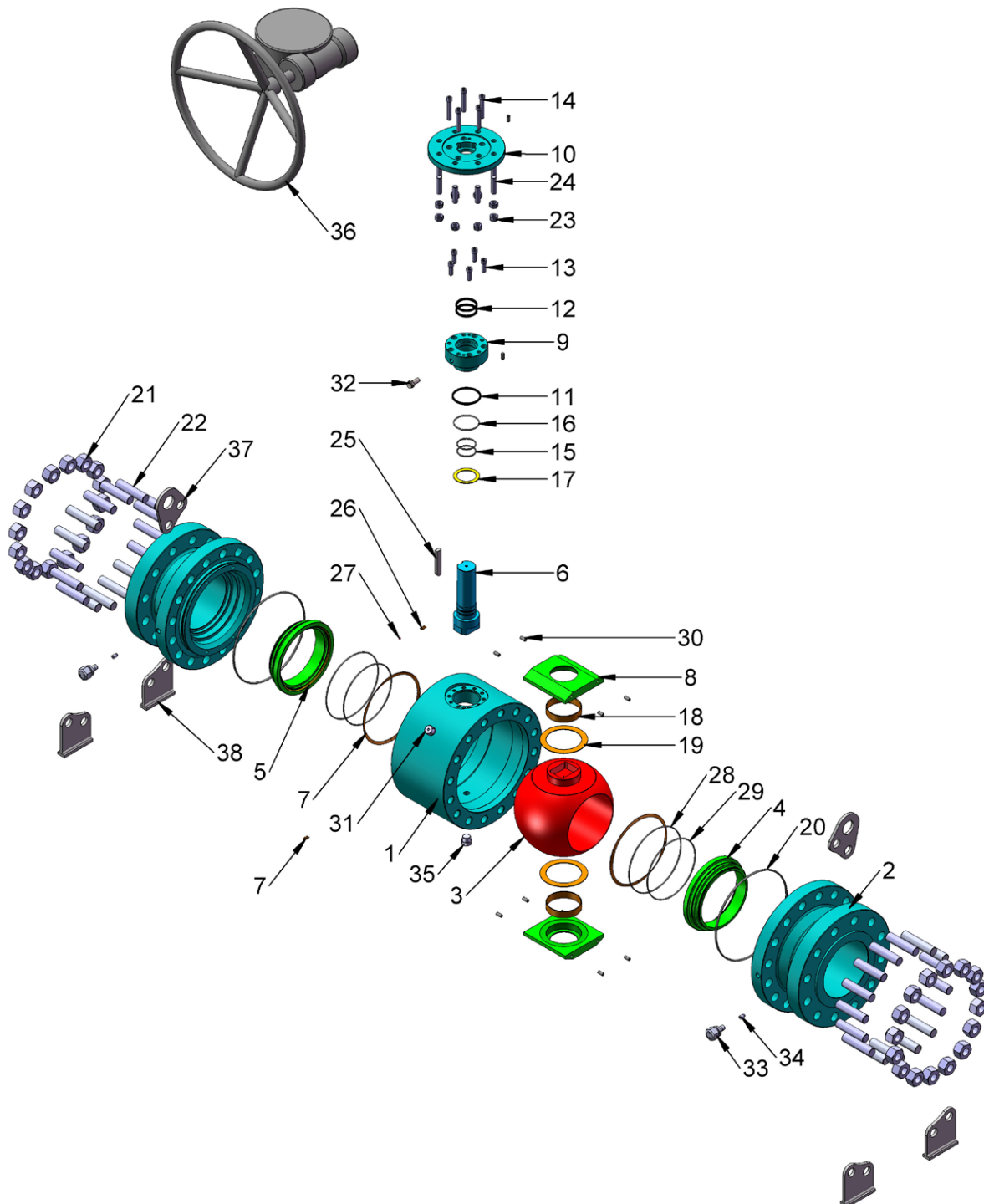


Crown-Fusion

6-12" FP & 6-12" RP Class 150 – 1500

14-24" FP & 14-24" RP Class 150 – 600 & 2-4" Class 2500

Flanged End Connections



6–12” FP & 6–12” RP Class 150 – 1500

14–24” FP & 14–24” RP Class 150 – 600 & 2–4” Class 2500

Bill of Materials:

ITEM	PART	STAINLESS STEEL	CARBON STEEL LOW TEMP	CARBON STEEL
1	BODY	ASTM A182 F316	ASTM A350 LF2 CLASS 1	ASTM A105
2	ADAPTER	ASTM A182 F316	ASTM A350 LF2 CLASS 1	ASTM A105
3	BALL	ASTM A182 F316/F6A	ASTM A350 LF2 CLASS 1+ENP	ASTM A350 LF2 CLASS 1+ENP
3*	BALL (SS TRIM)	ASTM A182 F316/F6A	ASTM A182 F316/F6A	ASTM A182 F316/F6A
† 4	SEAT HOLDER	ASTM A182 F316/F6A	ASTM A350 LF2 CLASS1+EN- P/4140+ENP	ASTM A350 LF2 CLASS1+EN- P/4140+ENP
† 4*	SEAT HOLDER (SS TRIM)	ASTM A182 F316/F6A	ASTM A182 F316/F6A	ASTM A182 F316/F6A
† 5	SEAT INSERT	DEVLON/RPTFE/TFM	DEVLON/RPTFE/TFM	DEVLON/RPTFE/TFM
6	STEM	17-4PH	4140/42CRMO+ENP/17-4PH	4140/42CRMO+ENP/17-4PH
6*	STEM (SS TRIM)	17-4PH	17-4PH	17-4PH
7	WAVE SPRING	INCONEL X-750	INCONEL X-750	INCONEL X-750
8	INTERNAL TRUNNION	ASTM A182 F316	ASTM A350 LF2 CLASS 1+ENP	ASTM A350 LF2 CLASS 1+ENP
9	BONNET	ASTM A182 F316	ASTM A350 LF2 CLASS 1	ASTM A105
10	GLAND FLANGE	304SS	C/S	C/S
† 11	BONNET GASKET	GRAPHITE	GRAPHITE	GRAPHITE
† 12	STEM PACKING	GRAPHITE	GRAPHITE	GRAPHITE
13	CAP SCREW	ASTM A320 L7M WITH ZINC PLATING	ASTM A320 L7M	ASTM A320 L7M
14	CAP SCREW	ASTM A320 L7M WITH ZINC PLATING	ASTM A320 L7M	ASTM A320 L7M
† 15	STEM O-RING	HNBR/VITON	HNBR/VITON	HNBR/VITON
† 16	BONNET O-RING	HNBR/VITON	HNBR/VITON	HNBR/VITON
† 17	STEM THRUST WASHER	DEVLON/RPTFE/TFM	DEVLON/RPTFE/TFM	DEVLON/RPTFE/TFM
18	RETAINER BUSHING	SS+PTFE	C/S+PTFE	C/S+PTFE
19	RETAINER WASHER	SS+PTFE	C/S+PTFE	C/S+PTFE
† 20	ADAPTER O-RING	HNBR/VITON	HNBR/VITON	HNBR/VITON
21	NUT	ASTM A194 7ML WITH ZINC PLATING	ASTM A194 7ML	ASTM A194 7ML
22	STUD	ASTM A320 L7M WITH ZINC PLATING	ASTM A320 L7M	ASTM A320 L7M
23	NUT	304SS	C/S	C/S
24	STUD	304SS	C/S	C/S
25	KEY	1045	1045	1045
26	ANTISTATIC SPRING	304SS	304SS	304SS
27	ANTISTATIC BALL	304SS	304SS	304SS
† 28	SEAT O-RING	HNBR/VITON	HNBR/VITON	HNBR/VITON
† 29	SEAT O-RING	HNBR/VITON	HNBR/VITON	HNBR/VITON
30	PIN	410	4130	4130
31	VENT VALVE	316SS	304SS	304SS
32	STEM INJECTION FITTING	304SS	304SS	304SS
33	SEAT INJECTION FITTING	304SS	304SS	304SS
34	SMALL CHECK VALVE	316SS	304SS	304SS
35	DRAIN PLUG	316SS	304SS	304SS
36	GEAR BOX	COMPONENT	COMPONENT	COMPONENT
37	LIFTING LUG	304SS	C/S	C/S
38	LEG	304SS	C/S	C/S

*SS trim only

† Minor repair kit

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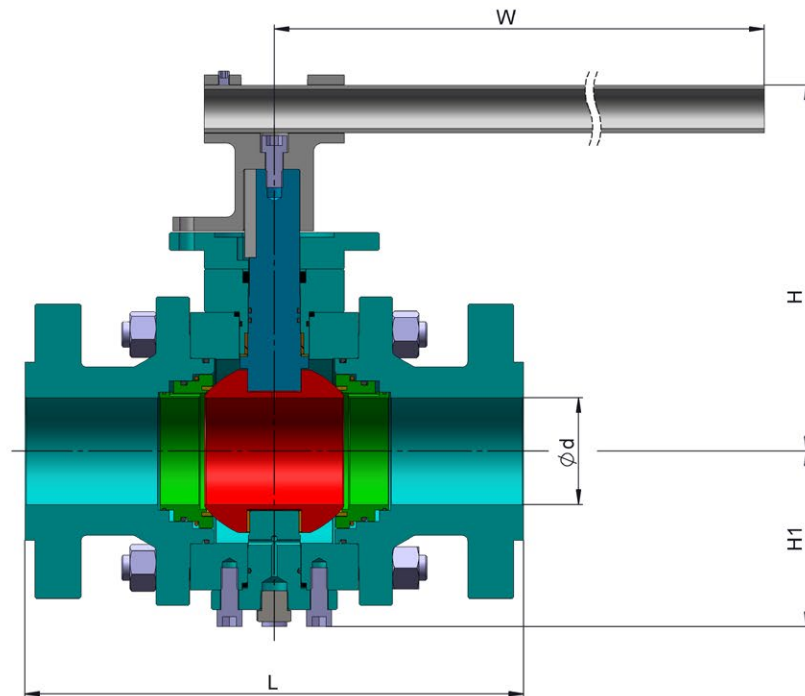
Crown-Fusion

2-4" FP Class 150 – 300

2-3" FP Class 600 – 900

2" FP Class 1500

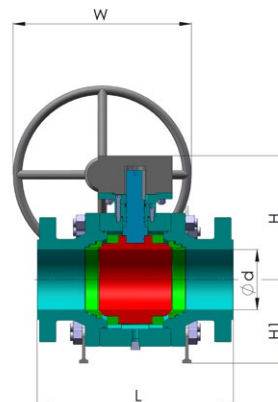
Flanged End Connections



Weight and Dimensions:

Size	Class	d	L(RF)	L(RTJ)	H	H1	W	Cv	Weight
in/mm		in/mm	in/mm	in/mm	in/mm	in/mm	in/mm	gal/min	kg/lbs
2/50	150	2.00/50.8	7.00/178	7.50/191	7.44/189	3.43/87	14.37/356	500	20/44
	300	2.00/50.8	8.50/216	9.12/232	7.44/189	3.43/87	14.37/356	420	23/51
	600	2.00/50.8	11.50/292	11.62/295	9.17/233	4.09/104	21.65/550	350	41/90
	900	2.00/50.8	14.50/368	14.62/371	9.17/233	4.09/104	27.56/700	320	59/130
	1500	2.00/50.8	14.50/368	14.62/371	10.24/260	4.96/126	37.40/950	320	81/179
3/80	150	3.00/76.2	8.00/203	8.50/216	9.65/245	4.33/110	21.65/550	1390	35/77
	300	3.00/76.2	11.12/283	11.74/298	9.65/245	4.33/110	21.65/550	1050	46/101
	600	3.00/76.2	14.00/356	14.12/359	10.67/271	4.92/125	27.56/700	1000	71/157
	900	3.00/76.2	15.00/381	15.12/384	10.67/271	4.92/125	37.40/950	910	85/190
4/100	150	4.00/101.6	9.00/229	9.50/241	11.18/284	5.55/141	21.65/550	2550	60/133
	300	4.00/101.6	12.00/305	12.62/321	11.18/284	5.55/141	27.56/700	2000	78/172

2–4" FP Class 2500
6–24" FP Class 150–600
4–12" FP Class 600–900
3–12" FP Class 1500
Flanged End Connections



Weight and Dimensions:

Size	Class	d	L(RF)	L(RTJ)	H	H1	W(rotork)	Cv	Weight
in/mm		in/mm	in/mm	in/mm	in/mm	in/mm	in/mm	gal/min	kg/lbs
2/50	2500	1.75/44.5	17.75/451	17.87/454	9.96/253	4.69/119	11.81/300	310	118/260
3/80	1500	3.00/76.2	18.50/470	18.62/473	10.47/266	5.75/146	11.81/300	820	145/320
	2500	2.50/63.5	22.75/578	23.00/584	12.24/311	6.22/158	11.81/300	426	262/576
4/100	600	4.00/101.6	17.00/432	17.12/435	10.35/263	5.91/150	11.81/300	1850	139/306
	900	4.00/101.6	18.00/457	18.12/460	10.87/276	6.14/156	11.81/300	1760	163/359
	1500	4.00/101.6	21.50/546	21.62/549	12.99/330	7.91/201	20.00/500	1610	305/672
	2500	3.50/88.9	26.50/673	26.88/683	14.01/356	7.40/188	23.60/600	999	433/955
6/150	150	6.00/152.4	15.50/394	16.00/406	11.33/288	6.73/171	11.81/300	5249	156/344
	300	6.00/152.4	15.88/403	16.50/419	11.33/288	6.73/171	11.81/300	5186	174/384
	600	6.00/152.4	22.00/559	22.12/562	12.40/315	7.52/191	20.00/500	4400	297/655
	900	6.00/152.4	24.00/610	24.12/613	13.50/343	8.11/206	23.60/600	4300	407/897
	1500	5.75/146.1	27.75/705	28.00/711	15.59/396	8.70/221	20.00/500	4080	542/1195
8/200	150	8.00/203.2	18.00/457	18.50/470	14.17/360	10.00/254	20.00/500	10750	300/661
	300	8.00/203.2	19.75/502	20.37/518	14.17/360	10.00/254	20.00/500	10262	341/752
	600	8.00/203.2	26.00/660	26.12/664	15.28/388	9.69/246	23.60/600	8450	480/1058
	900	8.00/203.2	29.00/737	29.12/740	16.77/426	11.26/286	20.00/500	8400	640/1411
	1500	7.63/194.0	32.75/832	33.13/842	18.78/477	12.80/325	20.00/500	7980	1020/2249
10/250	150	10.00/254.0	21.00/533	21.50/546	16.85/428	11.42/290	20.00/500	17775	488/1076
	300	10.00/254.0	22.38/568	23.00/584	16.85/428	11.89/302	20.00/500	17220	541/1193
	600	10.00/254.0	31.00/787	31.12/791	17.72/450	11.54/293	23.60/600	14250	777/1713
	900	10.00/254.0	33.00/838	33.12/841	19.06/484	13.11/333	20.00/500	14160	1092/2407
	1500	9.50/241.3	39.00/991	39.38/1000	21.54/547	15.00/381	20.00/500	13020	1610/3549
12/300	150	12.00/304.8	24.00/610	24.50/622	18.66/474	13.39/340	20.00/500	26750	734/1618
	300	12.00/304.8	25.50/648	26.12/664	18.66/474	13.39/340	20.00/500	25950	820/1808
	600	12.00/304.8	33.00/838	33.12/841	19.96/507	13.58/345	20.00/500	22790	1177/2594
	900	12.00/304.8	38.00/965	38.12/968	23.03/585	15.63/397	20.00/500	21230	1744/3845
	1500	11.38/289.0	44.50/1130	45.12/1146	24.96/634	17.28/439	23.60/600	19610	2693/5937
14/350	150	13.25/336.6	27.00/686	27.50/669	20.98/533	13.98/355	20.00/500	30110	868/1913
	300	13.25/336.6	30.00/762	30.62/778	20.98/533	14.41/366	20.00/500	29680	1053/2321
	600	13.25/336.6	35.00/889	35.12/892	22.24/565	15.43/392	20.00/500	24220	1513/3336
16/400	150	15.25/387.4	30.00/762	30.50/775	21.61/549	15.51/394	20.00/500	39210	1100/2420
	300	15.25/387.4	33.00/838	33.62/854	21.61/549	16.42/417	20.00/500	38760	1382/3047
	600	15.25/387.4	39.00/991	39.12/994	22.95/583	17.87/454	23.60/600	31200	1953/4297
18/450	150	17.25/438.2	34.00/864	34.50/876	24.80/630	18.19/462	23.60/600	52350	1613/3556
	300	17.25/438.2	36.00/914	36.62/930	24.80/630	18.30/465	23.60/600	51060	1906/4202
	600	17.25/438.2	43.00/1092	43.12/1095	27.56/700	19.57/497	31.50/800	43200	2867/6321
20/500	150	19.25/489.0	36.00/914	36.50/927	27.17/690	19.72/501	31.50/800	64250	2071/4566
	300	19.25/489.0	39.00/991	39.72/1010	27.17/690	19.21/488	31.50/800	63030	2505/5523
	600	19.25/489.0	47.00/1194	47.25/1200	28.54/725	20.79/528	31.50/800	53420	3489/7692
24/600	150	23.25/590.6	42.00/1067	42.50/1080	31.89/810	25.16/639	31.50/800	100770	3338/7359
	300	23.25/590.6	45.00/1143	45.88/1165	31.89/810	22.80/579	31.50/800	90760	3914/8629
	600	23.25/590.6	55.00/1397	55.38/1407	33.66/855	23.54/598	31.50/800	82050	5695/12555



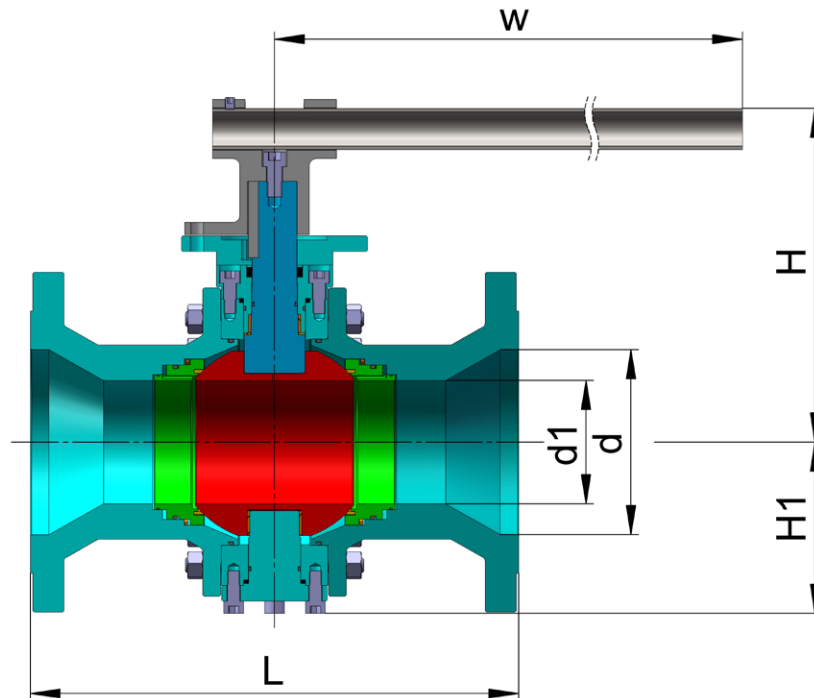
Crown-Fusion

3-6" RP Class 150 – 300

3-4" RP Class 600 – 900

3" RP Class 1500

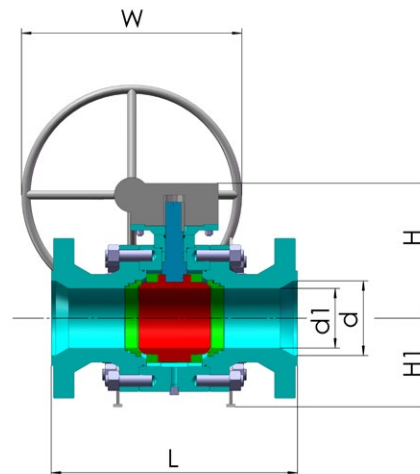
Flanged End Connection



Weights and Dimensions:

Size	Class	d1	d	L(RF)	L(RTJ)	H	H1	W	Cv	Weight
in/mm		in/mm	in/mm	in/mm	in/mm	in/mm	in/mm	in/mm	gal/min	kg/lbs
3"x2"x3"	150	2.00/50.8	3.00/76.2	8.00/203	8.50/216	7.44/189	3.43/87	14.37/365	220	24/53
	300	2.00/50.8	3.00/76.2	11.12/283	11.74/298	7.44/189	3.43/87	14.37/365	210	31/68
	600	2.00/50.8	3.00/76.2	14.00/356	14.12/359	9.17/233	4.09/104	21.65/550	190	52/115
	900	2.00/50.8	3.00/76.2	15.00/381	15.12/384	9.17/233	4.09/104	27.56/700	185	66/146
	1500	2.00/50.8	3.00/76.2	18.50/470	18.62/473	10.24/260	4.96/126	37.40/950	180	101/223
4"x3"x4"	150	3.00/76.2	4.00/101.6	9.00/229	9.50/241	9.65/245	4.33/110	21.65/550	630	42/93
	300	3.00/76.2	4.00/101.6	12.00/305	12.62/321	9.65/245	4.33/110	21.65/550	600	56/123
	600	3.00/76.2	4.00/101.6	17.00/432	17.12/435	10.67/271	4.92/125	27.56/700	560	95/209
	900	3.00/76.2	4.00/101.6	18.00/457	18.12/460	10.67/271	4.92/125	37.40/950	505	108/238
6"x4"x6"	150	4.00/101.6	6.00/152.4	15.50/394	16.00/406	11.18/284	5.55/141	21.65/550	925	81/179
	300	4.00/101.6	6.00/152.4	15.88/403	16.50/419	11.18/284	5.55/141	27.56/700	910	105/231

8–24" RP Class 150 – 300
6–24" RP Class 600
6–12" RP Class 900
4–12" RP Class 1500
Flanged End Connection



Weights and Dimensions:

Size	Class	d1	d	L(RF)	L(RTJ)	H	H1	W(rotork)	Cv	Weight
in/mm		in/mm	in/mm	in/mm	in/mm	in/mm	in/mm	in/mm	gal/min	kg/lbs
4"x3"x4"	1500	3.00/76.2	4.00/101.6	21.50/546	21.62/549	10.47/266	5.75/146	11.81/300	500	171/377
	600	4.00/101.6	6.00/152.4	22.00/559	22.12/562	10.35/263	5.91/150	11.81/300	800	188/414
6"x4"x6"	900	4.00/101.6	6.00/152.4	24.00/610	24.12/613	10.87/276	6.14/156	11.81/300	730	231/509
	1500	4.00/101.6	6.00/152.4	27.75/705	28.00/771	12.99/330	7.91/201	20.00/500	463	409/902
8"x6"x8"	150	6.00/152.4	8.00/203.2	18.00/457	18.50/470	11.33/288	6.73/171	11.81/300	2500	182/401
	300	6.00/152.4	8.00/203.2	19.75/502	20.37/518	11.33/288	6.73/171	11.81/300	2480	214/472
	600	6.00/152.4	8.00/203.2	26.00/660	26.12/664	12.40/315	7.52/191	20.00/500	2150	361/796
	900	6.00/152.4	8.00/203.2	29.00/737	29.12/740	13.50/343	8.11/206	23.60/600	2010	510/1124
10"x8"x10"	1500	5.75/146.0	7.63/194.0	32.75/832	33.13/842	12.01/305	8.31/211	23.60/600	1695	720/1587
	150	8.00/203.2	10.00/254.0	21.00/533	21.50/546	14.17/360	10.00/254	20.00/500	5000	326/719
	300	8.00/203.2	10.00/254.0	22.38/568	23.00/584	14.17/360	10.00/254	20.00/500	4990	388/855
	600	8.00/203.2	10.00/254.0	31.00/787	31.12/791	15.28/388	9.69/246	23.60/600	4500	591/1303
	900	8.00/203.2	10.00/254.0	33.00/838	33.12/841	16.77/426	11.26/286	20.00/500	4160	769/1695
12"x10"x12"	1500	7.63/194.0	9.50/241.0	39.00/991	39.38/1001	14.37/365	1.079/274	18.11/460	3573	1100/2425
	150	10.00/254.0	12.00/304.8	24.00/610	34.50/622	16.85/428	11.42/290	20.00/500	8400	532/1173
	300	10.00/254.0	12.00/304.8	25.50/648	26.12/664	16.85/428	11.89/302	20.00/500	8390	605/1334
	600	10.00/254.0	12.00/304.8	33.00/838	33.12/841	17.72/450	11.54/293	23.60/600	8000	861/1898
	900	10.00/254.0	12.00/304.8	38.00/965	38.12/968	19.06/484	13.11/333	20.00/500	7300	1254/2765
14"x12"x14"	1500	9.50/241.0	11.37/289.0	44.50/1130	45.12/1146	17.2/440	12.20/310	23.60/600	6356	2100/4630
	150	12.00/304.8	13.25/336.6	27.00/686	27.50/699	18.66/474	13.39/340	20.00/500	11260	781/1722
	300	12.00/304.8	13.25/336.6	30.00/762	30.62/778	18.66/474	13.39/340	20.00/500	10860	913/2013
	600	12.00/304.8	13.25/336.6	35.00/889	35.12/892	19.96/507	13.58/345	20.00/500	8950	1259/2776
	150	12.00/304.8	15.25/387.4	30.00/762	30.50/775	18.66/474	13.39/340	20.00/500	8890	835/1841
16"x12"x16"	300	12.00/304.8	15.25/387.4	33.00/838	33.62/854	18.66/474	13.39/340	20.00/500	8630	1010/2227
	600	12.00/304.8	15.25/387.4	39.00/991	39.12/994	19.96/507	13.58/345	20.00/500	7650	1424/3139
	150	13.25/336.6	17.25/438.2	34.00/864	34.50/876	20.98/533	13.98/355	20.00/500	12500	940/2072
18"x14"x18"	300	13.25/336.6	17.25/438.2	36.00/914	36.62/930	20.98/533	14.41/366	20.00/500	11800	1160/2557
	600	13.25/336.6	17.25/438.2	43.00/1092	43.12/1095	22.24/565	15.43/392	20.00/500	10890	1735/3825
	150	15.25/387.4	19.25/489.0	36.00/914	36.50/927	21.61/549	15.51/394	20.00/500	16350	1228/2707
20"x16"x20"	300	15.25/387.4	19.25/489.0	39.00/991	39.75/1010	21.61/549	16.42/417	20.00/500	16110	1611/3552
	600	15.25/387.4	19.25/489.0	47.00/1194	47.25/1200	22.95/583	17.87/454	23.60/600	15140	2327/5130
	150	19.25/489.0	23.25/590.6	42.00/1067	42.50/1080	27.17/690	19.72/501	31.50/800	26330	2251/4963
24"x20"x24"	300	19.25/489.0	23.25/590.6	45.00/1143	45.88/1165	27.17/690	19.21/488	31.50/800	26000	2833/6246
	600	19.25/489.0	23.25/590.6	55.00/1397	55.38/1407	28.54/725	20.79/528	31.50/800	25100	3976/8766



Crown-Fusion

Crown-Fusion Series 422 Trunnion Ball Valve

2" to 4" Full Port DBB

150 to 300 ASME Class

Features & Benefits

- Devlon Seats/AED O-Rings provide the best combination of durability, ease of operation, temperature range, and process compatibility. Seats are North American sourced to ensure quality.
- Standard 3-mil ENC Plating. Improved corrosion resistance versus more commonly used 1-mil ENC coating which provides cost reduction and similar corrosion resistance to stainless steel.
- Stainless Steel Emergency Seat and Stem Injection Fittings. Allows for maintenance of seats and seals damaged by application media, weld slag or other debris. Also allows for periodic lubrication of the seat pockets and stem journal. Please refer to IOM for details.
- Double Block and Bleed Capability. Valves are inherently able to test seat integrity through a double block and bleed test.
- Inconel Wave Springs assists in low pressure sealing.

Industry Standards requirements

- Blowout Proof Stem Design
- Standard Anti-Static Device
- Corrosion Resistant Low Friction Trunnion Bearing
- Standard Locking Plate

Industry standard actuation modification capability

- ISO 5211 Actuator Mounting Pad

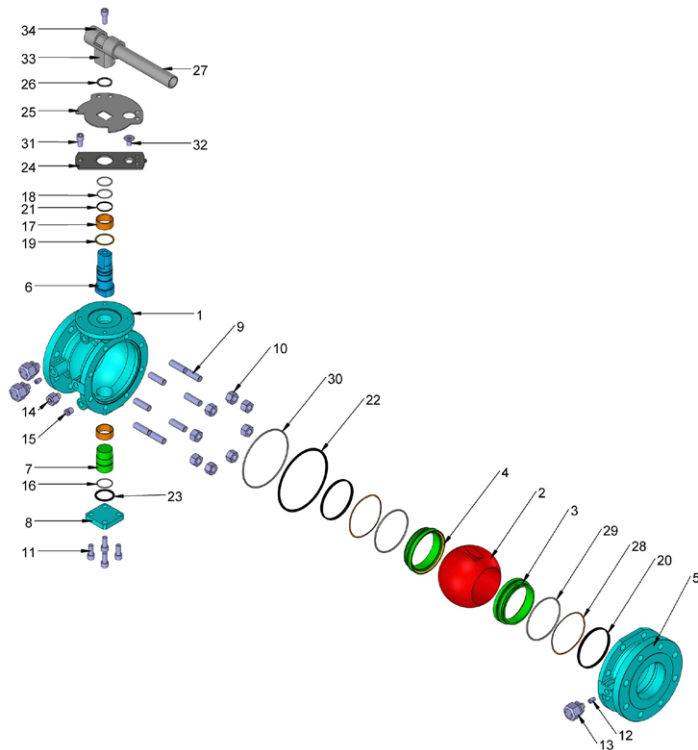
Conformance to Industry Standards

- Manufactured in accordance of API Q1 quality system ISO 9001: 2015 quality system, API 6D (monogrammed), API 608, API 598, API 607/6FA, API 641, ASME B16.34, NACE MR0175/ISO15156, MSS SP-25 and CSA Z245.15
- CRN Registration (Canada) – All provinces
- CE – PED compliance and marking available upon customer request.

**Stainless steel trim and/or other alloys are available upon request.*



2-4" FP Class 150 – 300 Flanged End Connections



Bill of Materials:

ITEM	PART	STAINLESS STEEL	CARBON STEEL LOW TEMP	CARBON STEEL
1	BODY	ASTM A351 CF8M	ASTM A352 LCC	ASTM A216 WCB
2	BALL	ASTM A351 CF8M	ASTM A350 LF2+ENP	ASTM A105N+ENP
3	SEAT HOLDER	ASTM A182 F316	ASTM A350 LF2+ENP	ASTM A105N+ENP
4	SEAT INSERT	DEVLON /TFM	DEVLON /TFM	DEVLON /TFM
5	ADAPTER	ASTM A351 CF8M	ASTM A352 LCC	ASTM A216 WCB
6	STEM	ASTM A182 F316	ASTM A434 4140+ENP/42CRMO+ENP	ASTM A434 4140+ENP/42CRMO+ENP
7	TRUNNION	ASTM A182 F316	ASTM A434 4140+ENP/42CRMO+ENP	ASTM A434 4140+ENP/42CRMO+ENP
8	TRUNNION COVER	ASTM A182 F316	ASTM A350 LF2	ASTM A105N
9	STUD	ASTM A320 L7M WITH ZINC PLATING	ASTM A320 L7M	ASTM A320 L7M
10	NUT	ASTM A194 7ML WITH ZINC PLATING	ASTM A194 7ML	ASTM A194 7ML
11	CAP SCREW	ASTM A320 L7M WITH ZINC PLATING	ASTM A320 L7M	ASTM A320 L7M
12	SMALL CHECK VALVE	316SS	304SS	304SS
13	INJECTION FITTING	304SS	304SS	304SS
14	VENT VALVE	316SS	304SS	304SS
15	DRAIN PLUG	ASTM A182 F316	304SS	304SS
16	O-RING	HNBR /VITON	HNBR /VITON	HNBR /VITON
17	BUSHING	SS+PTFE	C/S+PTFE	C/S+PTFE
18	O-RING	HNBR /VITON	HNBR /VITON	HNBR /VITON
19	STEM THRUST WASHER	DEVLON /RTFM	DEVLON /RTFM	DEVLON /RTFM
20	PACKING SET	GRAPHITE	GRAPHITE	GRAPHITE
21	PACKING SET	GRAPHITE	GRAPHITE	GRAPHITE
22	BODY GASKET	GRAPHITE	GRAPHITE	GRAPHITE
23	TRUNNION GASKET	GRAPHITE	GRAPHITE	GRAPHITE
24	LOCK PLATE	SS	C/S PLATED	C/S PLATED
25	STOP PLATE	SS	C/S PLATED	C/S PLATED
26	CIRCLIP FOR SHAFT	SPRING STEEL	SPRING STEEL	SPRING STEEL
27	PIPE	C/S PLATED	C/S PLATED	C/S PLATED
28	WAVE SPRING	INCONEL X-750	INCONEL X-750	INCONEL X-750
29	O-RING	HNBR /VITON	HNBR /VITON	HNBR /VITON
30	O-RING	HNBR /VITON	HNBR /VITON	HNBR /VITON
31	CAP SCREW	SS	C/S	C/S
32	COUNTERSUNK HEAD SCREW	SS	C/S	C/S
33	HANDLE HOLDER	C/S PLATED	C/S	C/S
34	SET SCREW	SS	C/S	C/S

Bold denotes standard offering

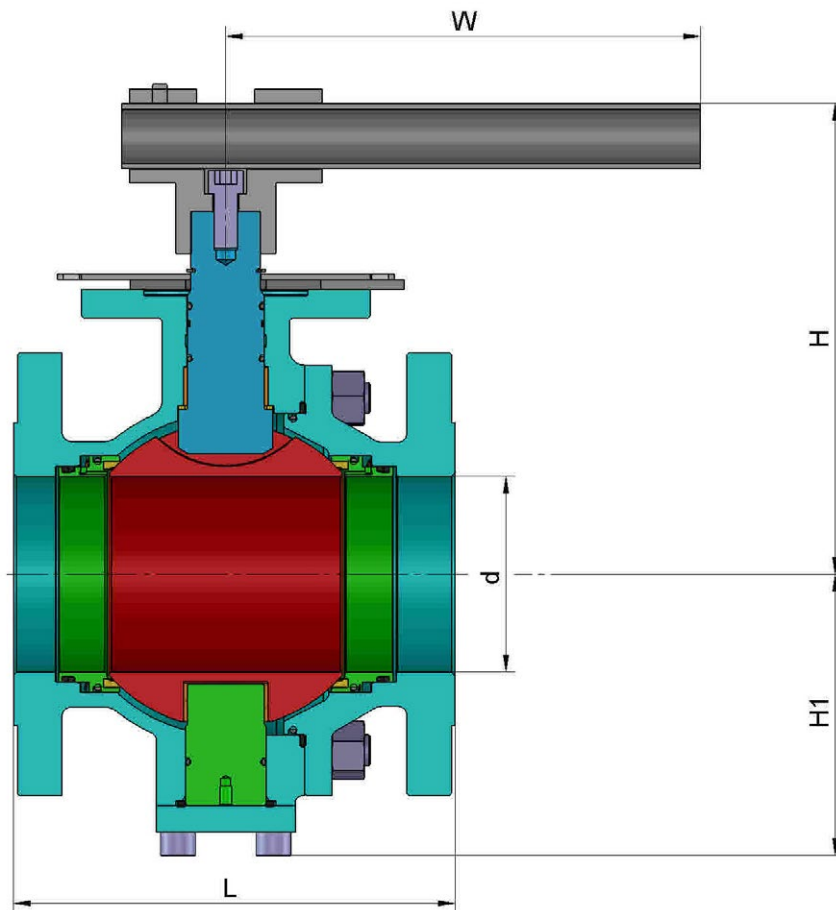
Stream-Flo reserves the right to offer alternate materials

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Crown-Fusion

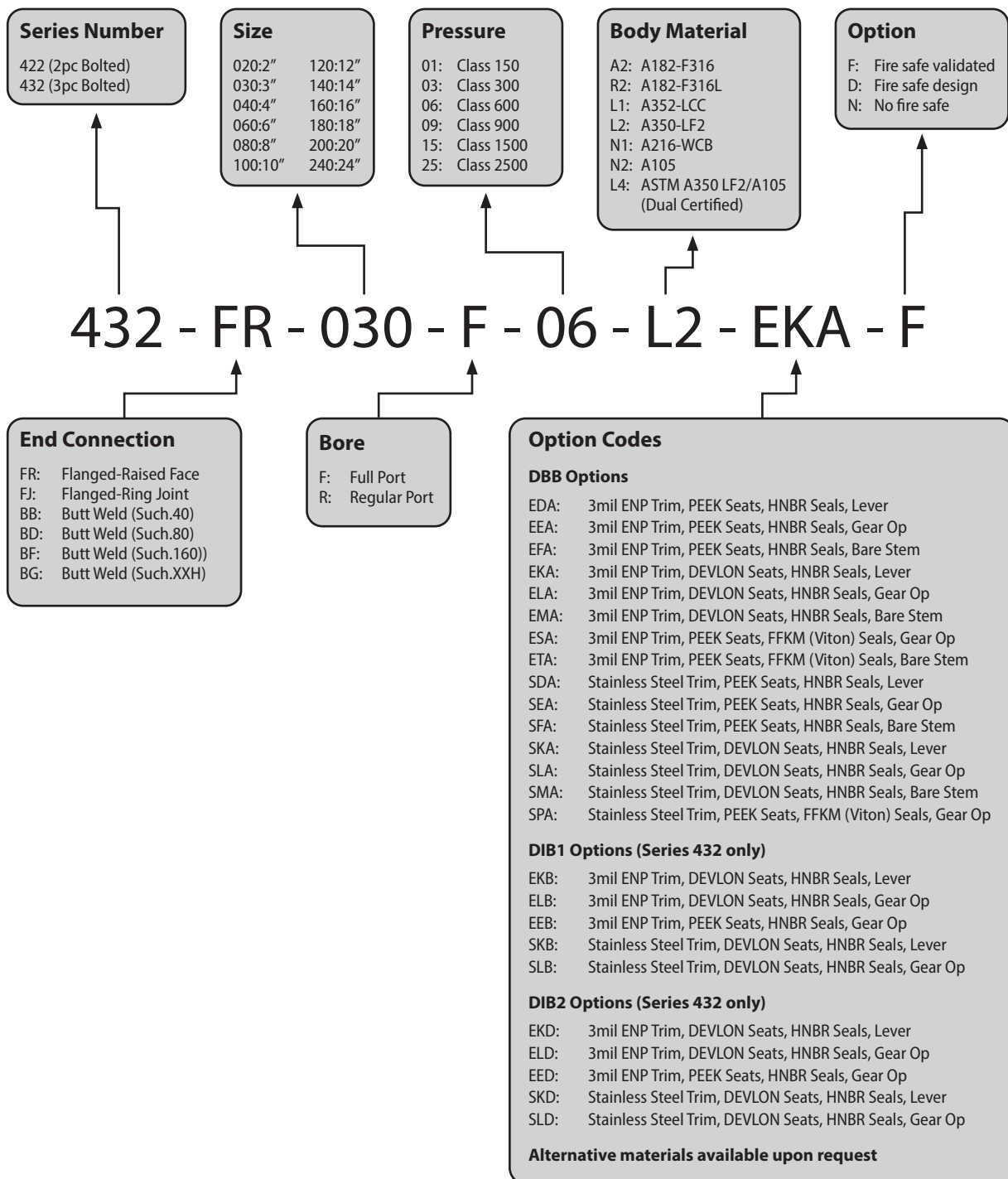
2-4" FP Class 150 – 300 Flanged End Connections



Weights and Dimensions:

Size	Class	d	L	H	H1	W	Cv	Weight
in		in/mm	in/mm	in/mm	in/mm	in/mm	gal/min	kg
2"	150	2.00/50.8	7.00/178	5.55/141	4.06/103	7.87/200	480	15
	300	2.00/50.8	8.50/216	5.55/141	4.06/103	7.87/200	480	17
3"	150	3.00/76.2	8.00/203	6.73/171	5.06/123	14.96/380	1150	27
	300	3.00/76.2	11.12/283	6.73/171	5.06/123	14.96/380	1150	30
4"	150	4.00/101.6	9.00/229	9.92/252	5.75/146	27.56/700	2110	37
	300	4.00/101.6	12.00/305	9.92/252	5.75/146	27.56/700	2110	53

Ordering Information:



Ordering Repair Kits

SK=Minor Repair Kit– includes all soft goods (Seat and Seals) only

MK=Major Repair Kit– includes all soft goods (Seat and Seals) Ball and Stem

The code "SK" or "MK" in the end connection field denotes either minor (SK) or major (MK) repair kit.



Crown-Fusion

Other Products Available

Swing Check Valves



Wafer Nozzle Check Valves



Piston Check Valves



Crown-Europa Nozzle Check Valve



Crown-Fusion Flanged Floating Ball Valves



Crown-Fusion High Pressure Ball Valves



Crown-Fusion 2000 WOG Ball Valves



Crown-Fusion Barstock Valve



Crown-Fusion Isolator Valve



Crown-Fusion Bolted-Body Valve



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