

Solid Disc Type ZB & ZD

The axial design of the ZB and ZD range results in a streamlined flow path around the disc and high pressure recovery, minimising pressure drop across and maximising flow through the valve.

Features

- Non-slam closure
- Very low pressure loss
- Short face-to-face length
- Low weight
- Metal sealing
- Maintenance free
- Valve design to ASME B16.34

End Connections Available

- Flanged
- Buttweld
- Hub End
- Compact flange

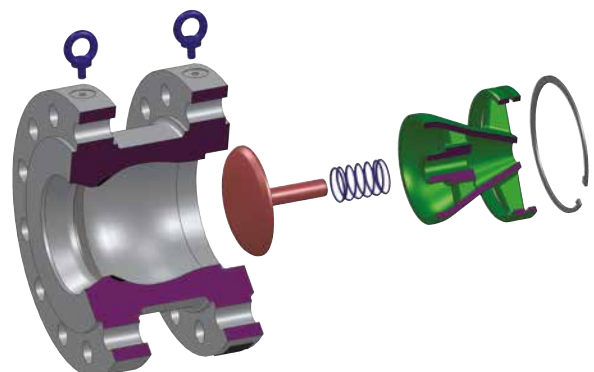
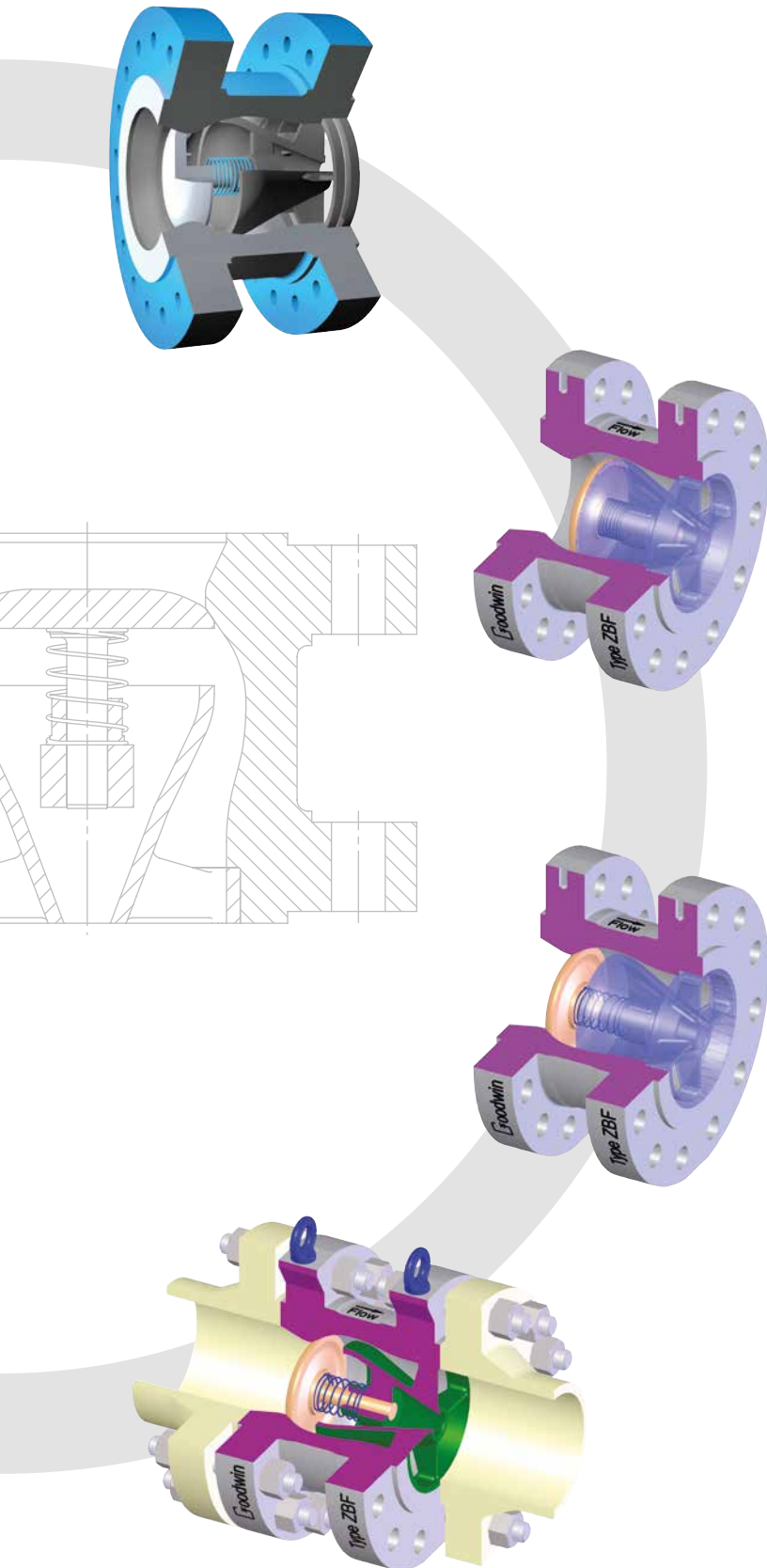
TYPE ZB

Goodwin Standard Face-to-Face Dimensions
(standard valves for sizes 1" to 10")

TYPE ZD

API 6D Face-to-Face Dimensions

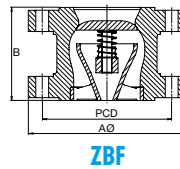
Buttweld and Hub End valve face-to-face dimensions and weights are available upon request.



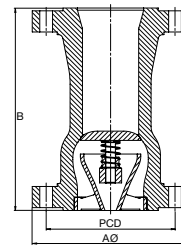
Type ZBF & ZDF

Installation Dimensions

Flanges according to ASME B16.5



ZBF



ZDF



Size inches	Pressure Rating ASME ZDE /ZBF	End Facing	Type ZBF Standard Face-to-Face			Type ZDF API 6D Face-to-Face			FLANGE DETAIL				
			A mm	B mm	Valve Weight kg	B RF mm	B RJ mm	† Valve Weight kg	HOLE P.C.D. No.	HOLE DIA. mm	STUD SELECTION		
											No.	DIA. Inches	*Length mm
1 (25mm)	150	RF	110	100	4	127	---	3	79.4	15.8	4	1/2	85
	300	RF	125	100	4	246	---	5.5	88.9	19.1	4	5/8	95
	600	RF/RJ-16	125	100	5	---	---	---	88.9	19.1	4	5/8	100
	900	RF/RJ-16	150	150	9	---	---	---	101.6	25.4	4	7/8	140
	1500	RF/RJ-16	150	150	16	---	---	---	101.6	25.4	4	7/8	140
	2500	RF/RJ-18	160	160	28	---	---	---	108.0	25.4	4	7/8	155
1¼ (32mm)	150	RF	115	100	5	---	---	---	88.9	15.8	4	1/2	85
	300	RF	135	100	5	---	---	---	98.4	19.1	4	5/8	100
	600	RF/RJ-18	135	100	9	---	---	---	98.4	19.1	4	5/8	105
	900	RF/RJ-18	160	150	11	---	---	---	111.1	25.4	4	7/8	140
	1500	RF/RJ-18	160	150	20	---	---	---	111.1	25.4	4	7/8	140
	2500	RF/RJ-21	185	180	35	---	---	---	130.2	28.6	4	1	165
1½ (40mm)	150	RF	125	120	7	---	---	---	98.4	15.8	4	1/2	90
	300	RF	155	120	7	24.1	---	10.2	114.3	22.2	4	3/4	115
	600	RF/RJ-20	155	120	11	24.1	---	11	114.3	22.2	4	3/4	120
	900	RF/RJ-20	180	170	13	---	---	---	123.8	28.6	4	1	155
	1500	RF/RJ-20	180	170	23	---	---	---	123.8	28.6	4	1	155
	2500	RF/RJ-23	205	210	40	---	---	---	146.0	31.8	4	1 1/8	190
2 (50mm)	150	RF	152	120	7	203	---	9	120.7	19.1	4	5/8	105
	300	RF	165	120	9	267	---	13	127.0	19.1	8	5/8	110
	600	RF/RJ-23	165	120	10	292	295	15	127.0	19.1	8	5/8	135
	900	RF/RJ-24	216	170	26	368	371	37	165.1	25.4	8	7/8	170
	1500	RF/RJ-24	216	170	26	368	371	37	165.1	25.4	8	7/8	170
	2500	RF/RJ-26	235	210	37	451	454	54	171.4	28.6	8	1	205
2½ (65mm)	150	RF	180	120	10	216	---	15	139.7	19.1	4	5/8	105
	300	RF	190	150	10	292	---	19	149.2	22.2	8	3/4	120
	600	RF/RJ-26	190	150	17	330	333	23	149.2	22.2	8	3/4	130
	900	RF/RJ-27	245	190	25	419	422	52	190.5	28.5	8	1	175
	1500	RF/RJ-27	245	190	35	419	422	67	190.5	28.5	8	1	175
	2500	RF/RJ-28	265	240	65	508	514	81	196.8	31.8	8	1 1/8	215
3 (80mm)	150	RF	191	120	13	241	---	16	152.4	19.1	4	5/8	110
	300	RF	210	150	18	318	---	26	168.3	22.2	8	3/4	130
	600	RF/RJ-31	210	150	20	356	359	30	168.3	22.2	8	3/4	155
	900	RF/RJ-31	241	190	32	381	384	43	190.5	25.4	8	7/8	170
	1500	RF/RJ-35	267	220	45	470	473	65	203.2	31.8	8	1 1/8	200
	2500	RF/RJ-32	305	270	83	578	584	119	228.6	34.9	8	1 1/4	250
4 (100mm)	150	RF	229	140	20	292	---	28	190.5	19.1	8	5/8	110
	300	RF	254	170	31	356	---	41	200.0	22.2	8	3/4	135
	600	RF/RJ-37	273	170	40	432	435	63	215.9	25.4	8	7/8	175
	900	RF/RJ-37	292	210	53	457	460	73	235.0	31.8	8	1 1/8	195
	1500	RF/RJ-39	311	240	69	546	549	107	241.3	34.9	8	1 1/4	220
	2500	RF/RJ-38	356	310	131	673	683	273	273.0	41.3	8	1 1/2	290

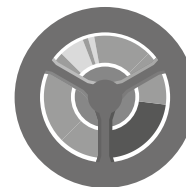
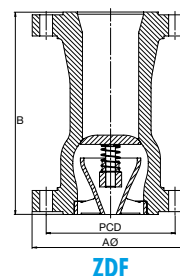
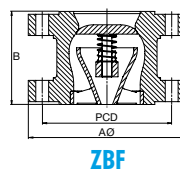
* Where Ring Joint Facing shown in End Facing, Stud lengths based on Ring Joint flange connection.

† Weights are for valve only and exclude mating flanges and bolting. Weight will vary according to corrosion allowance specification.

Type ZBF & ZDF

Installation Dimensions

Flanges according to ASME B16.5



Size inches	Pressure Rating ASME ZDF / ZBF	End Facing	Type ZBF			Type ZDF			FLANGE DETAIL				
			Standard Face-to-Face			API 6D Face-to-Face			HOLE P.C.D. No.	HOLE DIA. mm	STUD SELECTION		
			A mm	B mm	Valve Weight kg	B RF mm	B RJ mm	† Valve Weight kg			No.	DIA. Inches	*Length mm
5 (125mm)	150	RF	255	210	31	---	---	---	215.9	22.2	8	3/4	120
	300	RF	280	210	31	---	---	---	235.0	22.2	8	3/4	140
	600	RF/RJ-41	330	210	55	---	---	---	266.7	28.6	8	1	190
	900	RF/RJ-41	350	230	85	---	---	---	279.4	34.9	8	1 1/4	220
	1500	RF/RJ-44	375	310	140	---	---	---	292.1	41.3	8	1 1/2	285
	2500	RF/RJ-42	420	370	225	---	---	---	323.8	47.6	8	1 3/4	335
6 (150mm)	150	RF	279	210	38	356	---	44	241.3	22.2	8	3/4	120
	300	RF	318	210	55	445	---	80	269.9	22.2	12	3/4	145
	600	RF/RJ-45	356	210	82	559	562	137	292.1	28.6	12	1	200
	900	RF/RJ-45	381	230	107	610	613	171	317.5	31.8	12	1 1/8	220
	1500	RF/RJ-46	394	310	160	705	711	231	317.5	38.1	12	1 3/8	295
	2500	RF/RJ-47	483	430	324	914	927	487	368.3	54.0	8	2	380
8 (200mm)	150	RF	343	280	71	495	---	90	298.5	22.2	8	3/4	125
	300	RF	381	280	91	533	---	120	330.2	25.4	12	7/8	160
	600	RF/RJ-49	419	280	135	660	664	213	349.2	31.8	12	1 1/8	220
	900	RF/RJ-49	470	280	189	737	740	307	393.7	38.1	12	1 3/8	250
	1500	RF/RJ-50	483	350	269	832	841	390	393.7	44.5	12	1 5/8	325
	2500	RF/RJ-51	552	460	480	1022	1038	743	438.2	54.0	12	2	425
10 (250mm)	150	RF	406	350	120	622	---	151	362.0	25.4	12	7/8	140
	300	RF	445	350	152	622	---	184	387.4	28.6	16	1	180
	600	RF/RJ-53	508	350	252	787	791	380	431.8	34.9	16	1 1/4	245
	900	RF/RJ-53	546	350	303	838	841	461	469.9	38.1	16	1 3/8	265
	1500	RF/RJ-54	584	400	461	991	1000	710	482.6	50.8	12	1 7/8	370
	2500	RF/RJ-55	673	580	952	1270	1292	1442	539.8	66.7	12	2 1/2	535

* Where Ring Joint Facing shown in End Facing, Stud lengths based on Ring Joint flange connection.

† Weights are for valve only and exclude mating flanges and bolting. Weight will vary according to corrosion allowance specification.