

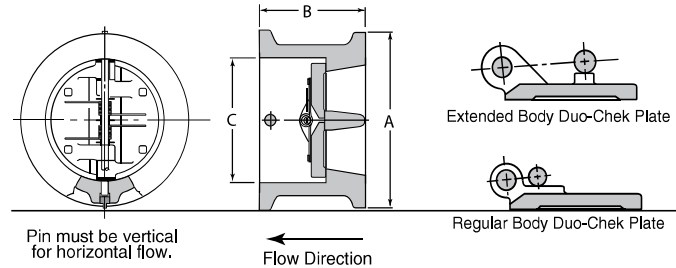
## Dimensions

### Style X Extended Body Wafer Check

The "Extended Body" version of the Duo-Chek® was designed for extremely fast opening conditions. These types of applications are generally associated with compressed gas or steam that causes damage from the explosive opening effect on the closure mechanism. This damage can render them inoperative. This is especially true with slow response valves such as swing and tilting disc check valves.



The Style X body design has special geometry and plate configuration to allow each plate to strike the stop pin in its center of percussion. To absorb high impacts, the stop pin and hinge lugs are oversized. Typical applications include centrifugal compressor discharge where compressors are subject to "surging", air separation plants, pipelines where compressors are mounted in parallel, and steam extraction. Style X Duo-Chek® valves are generally not required for liquid applications.



### Installation Dimensions Pressure Classes 150 – 2500

#### ASME Class 150

Size		A		B		C		Weight	
in	mm	in	mm	in	mm	in	mm	lbs.	kg.
10"	250	13 3/8	340	7 1/4	184	10 3/4	273	166	75
12"	300	16 1/8	410	9	229	12 3/4	324	244	111
14"	350	17 3/4	451	8 1/8	213	14	356	260	118
16"	400	20 1/4	514	9 1/2	241	16	406	345	157
18"	450	21 5/8	549	10 3/8	264	18	457	427	194
20"	500	23 7/8	606	11 3/4	298	20	508	548	249
24"	600	28 1/4	718	13 3/4	349	24	610	874	396
26"	650	30 1/2	775	18	457	26	660	1741	790
30"	750	34 3/4	883	18	457	30	762	1544	700
32"	800	37	940	20 7/8	530	32	813	1638	743
36"	900	41 1/4	1048	21 7/8	556	36	914	2750	1247
42"	1050	48	1219	25 3/4	654	42	1067	3862	1752
48"	1200	54 1/2	1384	30 7/8	784	48	1219	6000	2722
54"	1350	61	1550	32 3/4	832	54	1372	7462	3385

#### ASME Class 300

Size		A		B		C		Weight	
in	mm	in	mm	in	mm	in	mm	lbs.	kg.
10"	250	14 1/4	362	7 1/4	184	10 3/4	273	166	75
12"	300	16 5/8	422	9	229	12 3/4	324	244	111
14"	350	19 1/8	486	10 1/4	260	14	356	407	185
16"	400	21 1/4	540	11 1/8	283	16	406	533	242
18"	450	23 1/2	597	12 1/2	318	18	457	698	317
20"	500	25 3/4	654	13 3/4	349	20	508	900	408
24"	600	30 1/2	775	16	406	24	610	1446	656
28"	700	35 7/8	911	20 1/4	514	28	711	1992	904
30"	750	37 1/2	953	20 5/8	524	30	762	2457	1115
36"	900	44	1118	25	635	36	914	3947	1790
42"	1050	50 3/4	1289	31 7/8	810	42	1067	6523	2959
48"	1200	58 3/4	1492	35	889	48	1219	7483	3394

Consult factory for additional sizes and pressure classes.

#### ASME Class 600

Size		A		B		C		Weight	
in	mm	in	mm	in	mm	in	mm	lbs.	kg.
10"	250	15 3/4	400	9 7/8	251	10 3/4	273	285	130
12"	300	18	457	11 5/8	295	12 3/4	324	366	166
14"	350	19 3/8	492	12 3/4	324	14	356	485	220
16"	400	22 1/4	565	14 1/2	368	16	406	705	320
18"	450	24 1/8	613	16 3/4	425	18	457	1057	480
20"	500	26 7/8	683	17 1/2	445	20	508	1531	695
24"	600	31 1/8	791	21 1/4	540	24	610	2240	1016
28"	700	36	914	23	584	28	711	3277	1486
30"	750	38 1/4	972	26 3/4	680	30	762	3746	1699
36"	900	44 1/2	1130	31	787	36	914	7000	3175
48"	1200	54 3/4	1391	40 1/8	1019	48	1219	9972	4523

#### ASME Class 900

Size		A		B		C		Weight	
in	mm	in	mm	in	mm	in	mm	lbs.	kg.
10"	250	17 1/8	435	10 1/4	260	10 3/4	273	462	210
12"	300	19 5/8	498	12 13/16	325	12 3/4	324	605	274
14"	350	20 1/2	521	14 5/8	371	14	356	1030	467
16"	400	22 5/8	575	15 1/2	394	16	406	1553	705
20"	500	27 1/2	699	19 1/2	495	20	508	1583	718
24"	600	33	838	22 1/4	565	24	610	3029	1374
30"	750	39 3/4	1010	28 7/8	734	30	762	6310	2862

#### ASME Class 1500

Size		A		B		C		Weight	
in	mm	in	mm	in	mm	in	mm	lbs.	kg.
10"	250	17 1/8	435	11 1/2	292	10 3/4	273	476	216
12"	300	20 1/2	521	13 7/8	353	12 3/4	324	805	365
14"	350	22 3/4	578	14 5/8	371	14	356	1080	490
16"	400	25 1/4	641	16 1/2	419	16	406	1530	694
18"	450	27 3/4	705	20 1/4	514	18	457	2109	957
20"	500	29 3/4	756	21 7/8	556	20	508	2376	1077
24"	600	35 1/2	902	24 7/8	632	24	610	4329	1964

#### ASME Class 2500

Size		A		B		C		Weight	
in	mm	in	mm	in	mm	in	mm	lbs.	kg.
10"	250	18 3/4	476	11 1/2	292	10 3/4	273	577	262
12"	300	21 5/8	549	13 7/8	352	12 3/4	324	598	271