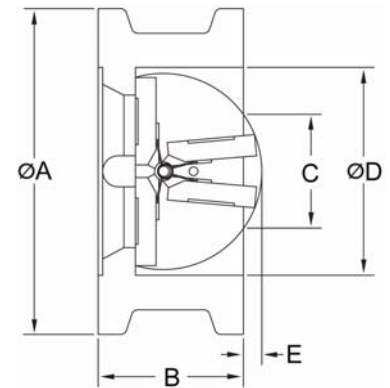
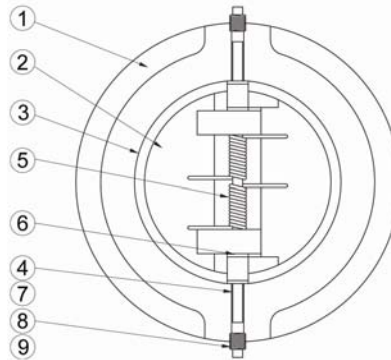


CAST IRON TWIN DOOR WAFFER CHECK VALVES



Model 125WCTIB – Cast Iron Body, Bronze Disc
Model 125WCTIS – Cast Iron Body, Stainless Steel Disc



FEATURES

- These valves are designed to operate on vertical upward and horizontal flow applications. The disc hinge must be in the vertical position to ensure proper operation.
- Suitable for installation between FF or RF flanges
- Available in sizes 2" to 48"
- Resilient seat
- Body meets ASME B16.1 and API 598
- Valve cracking pressure is equal to or greater than 0.3 psid

RATINGS

PMO (maximum operating pressure) 2 to 12":	200 psi @ 150°F 175 psi @ 250°F
PMO (maximum operating pressure) 14" to 24":	150 psi @ 150°F 125 psi @ 250°F
PMO (maximum operating pressure) 30" to 48":	150 psi @ 150°F 80 psi @ 250°F

MATERIALS

Part	Description
(1) Body	A126-B Cast Iron
(2) Discs	Aluminum Bronze B148 C954 or 316 Stainless Steel
(3) Seat *	Buna-N
(4) Hinge Pin	316 Stainless Steel
(5) Spring	316 Stainless Steel
(6) Thrust Washers	Teflon / Phenolic
(7) Stop Pin	316 Stainless Steel
(8) Hinge Pin Retainer	A216-B
(9) Stop Pin Retainer	A216-B

* Other seat materials are available. Please consult factory.

DIMENSIONS AND WEIGHTS

Size	DIMENSIONS										Flow Coefficient (Cv)	Weight		
	A		B		C ²		D		E			kg	lbs	
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in			
50	2	105	4-1/8	54	2-1/8	51	2	60	2-3/8	3	1/8	48	1.8	4
65	2-1/2	124	4-7/8	54	2-1/8	64	2-1/2	73	2-7/8	13	1/2	90	2.5	5.5
75	3	137	5-3/8	57	2-1/4	76	3	89	3-1/2	16	5/8	171	3.4	7.5
100	4	175	6-7/8	64	2-1/2	102	4	114	4-1/2	25	1	291	6.1	13.5
125	5	197	7-3/4	70	2-3/4	127	5	140	5-1/2	32	1-1/4	494	7.9	17.5
150	6	222	8-3/4	76	3	152	6	168	6-5/8	41	1-5/8	705	12.0	26.5
200	8	279	11	95	3-3/4	203	8	219	8-5/8	60	2-3/8	1795	22.7	50
250	10	340	13-3/8	108	4-1/4	254	10	273	10-3/4	76	3	2563	31.8	70
300	12	410	16-1/8	143	5-5/8	305	12	324	12-3/4	99	3-7/8	4295	49.9	110
350	14	451	17-3/4	184	7-1/4	318	12-1/2	356	14	102	4	5463	77.1	170
400	16	514	20-1/4	191	7-1/2	381	15	406	16	133	5-1/4	7355	102.1	225
450	18	549	21-39/64	203	8	432	17	457	18	152	6	9357	127.0	280
500	20	606	23-55/64	213	8-3/8	483	19	508	20	175	6-7/8	12004	176.9	390
600	24	718	28-1/4	222	8-3/4	578	22-3/4	610	24	210	8-1/4	17804	267.6	590

Notes:

1. Dimensions are in accordance with API 594 except face to face dimensions of 2-1/2" through 12" valves.
2. Minimum bore diameter of companion flanges

Colton has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice



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