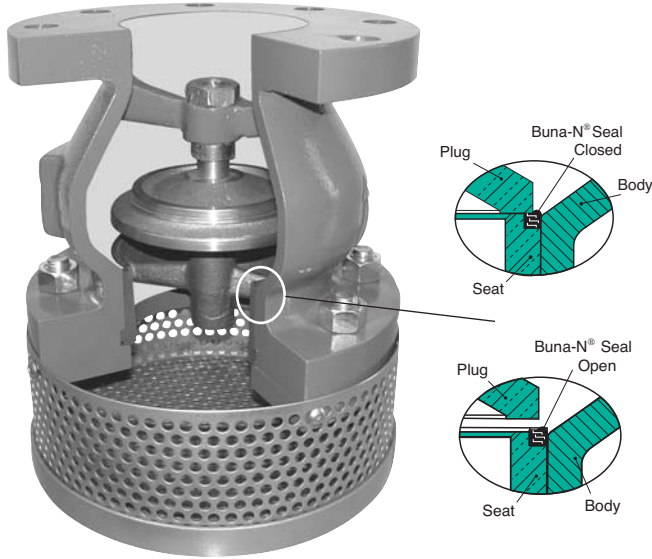




Series 583

“Tite Seal” Foot Valve



- Full Pipe Size Flow Area
- Lowest Head Loss
- 360° Stainless Steel Strainer
- Buna-N® “Tite Seal” Zero Leakage Means No Loss of Prime

Cla-Val “Tite Seal” foot valves provide years of trouble free operation at low or high pressures. The special Buna-N® seal allows initial contact to the metal plug, for zero leakage, then as pressure builds, the Buna-N® seal is compressed only slightly until the plug fully contacts the metal seat preventing further compression of the Buna-N® seal. In this manner the seal cannot be damaged from compression and pump prime is always assured. A 360 degree stainless steel strainer (not plated steel) is provided standard with at least, three times flow-thru area of the foot valve size. This greatly enlarged flow thru area strainer means full flow can be maintained even should some small particles collect against the strainer. Cla-Val “Tite Seal” Foot Valves provide non-shock and silent shut-off.

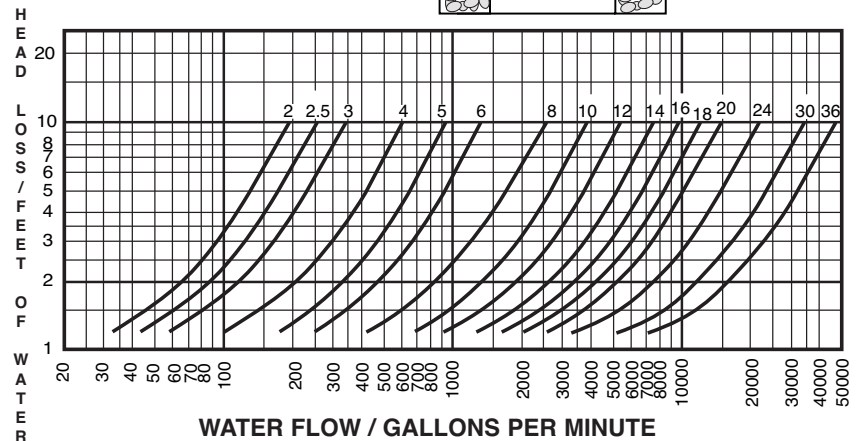
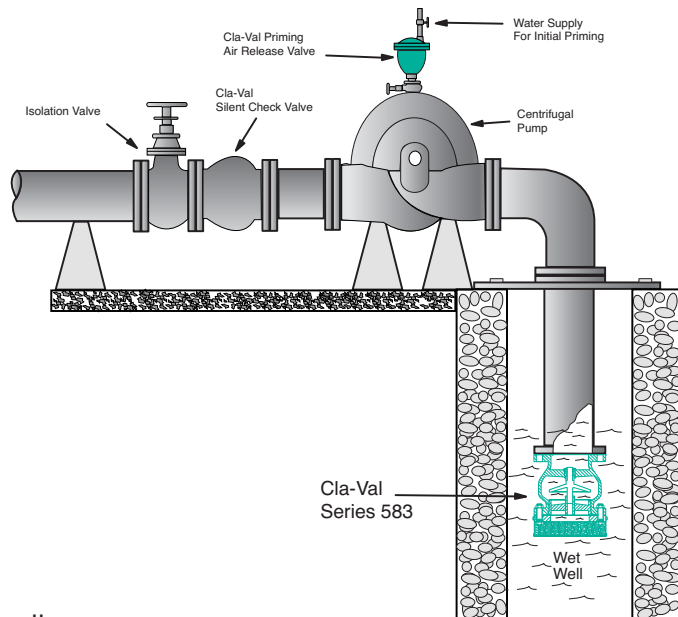
Cla-Val “Tite Seal” Foot Valve Specifications

The foot valve shall be globe style, flanged with resilient seal against metal; provide full flow equal to valve size and shut-off silently. Foot valve internals shall include a plug, double guided that allows full pipe flow when open. A guide bushing and all internals shall be field replaceable. The metal seat with Buna-N® seal shall provide zero leakage at low and high pressures without seal damage.

A heavy gauge 360 degree, stainless steel strainer (not plated steel) having a flow-thru area of at least three times that of the foot valve flow area shall be connected to the outside diameter of the inlet flange.

Materials:

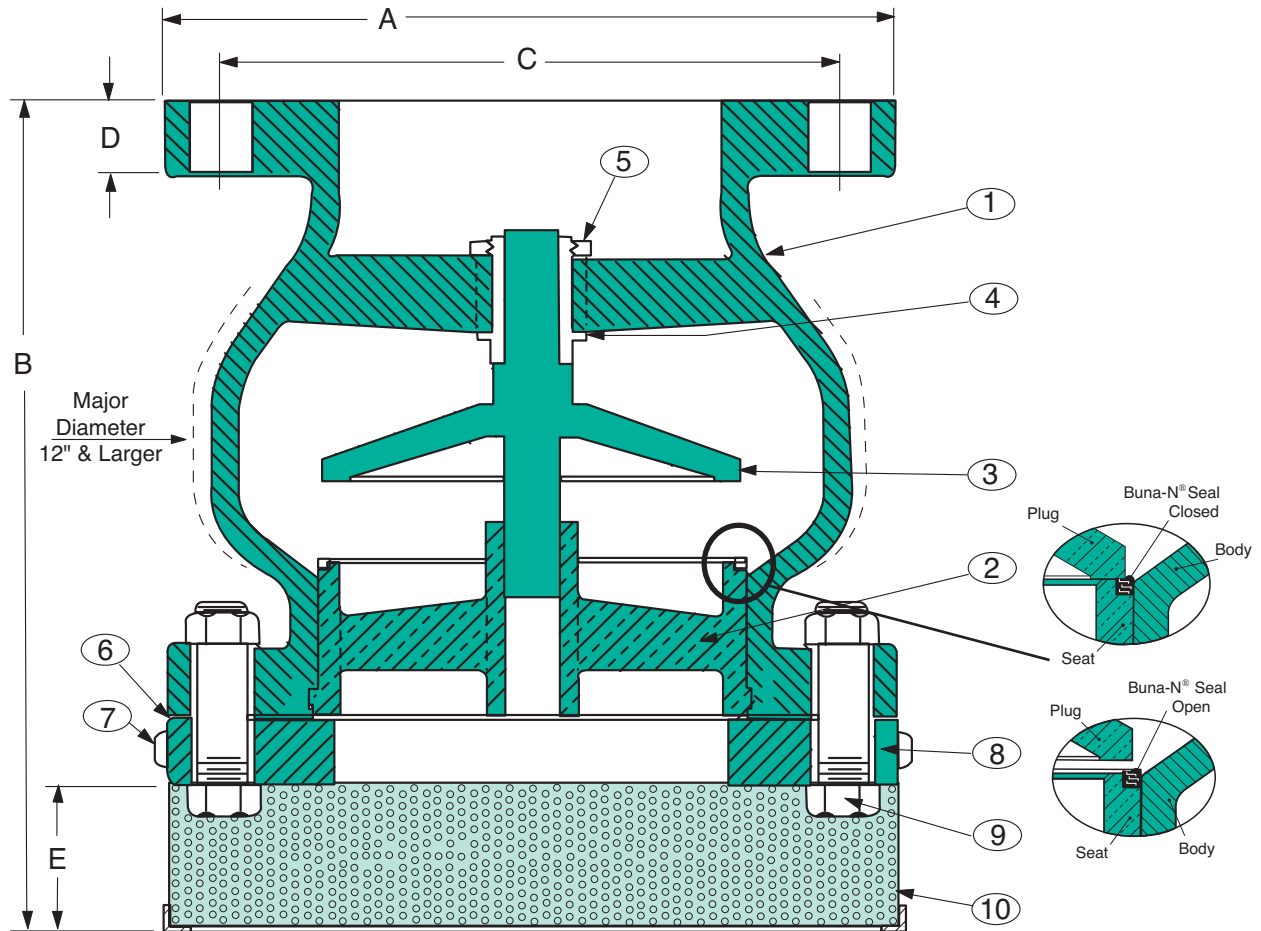
Valve Body: Cast Iron ASTM A126, Class B
 Seat and Plug: Bronze ASTM B584 Alloy C83600
 Strainer Heavy Gauge 1/16”: Thick Stainless Steel T316
 Exterior coated with Universal ALKYD
 Test Certificate, Drawings, Parts List and O&M Manual Provided upon Request
 Series 38 -“Tite Seal” Foot Valves as provided by Cla-Val, Newport Beach, CA U.S.A. 92759-0325





Series 583

"Tite Seal" Foot Valves



Part No.	Name	Material	Part No.	Name	Material
1	Body	Cast Iron ASTM A126, Class B	6	Gasket	Compressed Non-Asbestos Fiber
2	Seat W/ Buna-N®	Bronze ASTM B584, Alloy C83600	7	Screen Retainer	Stainless Steel T316, ASTM F879
3	Plug	Bronze ASTM B584, Alloy C83600	8	Ring Plate	Carbon Steel ASTM A36
4	Bushing	Bronze ASTM B16, Alloy C83600	9	Bolt Assembly	Alloy Steel SAE, Grade 2
5	Retainer	Brass	10	Screen	Stainless Steel T316, ASTM A276

Valve Size	Model No.	A	B	C	D	E	Major Dia.	Bolt Size	No. of Bolts	Wt Lbs
2"	583-2	6	9 3/4	4 3/4	11/16	3 5/8	N.A.	5/8	4	24
2 1/2"	583-25	7	9 1/4	5 1/2	11/16	3 5/8	N.A.	5/8	4	34
3"	583-3	7 1/2	9 1/2	6	15/16	3	N.A.	5/8	4	39
4"	583-4	9	11	7 1/2	15/16	3	N.A.	5/8	8	52
5"	583-5	10	13 1/4	8 1/2	15/16	4	N.A.	3/4	8	65
6"	583-6	11	15 1/4	9 1/2	1	5	N.A.	3/4	8	110
8"	583-8	13 1/2	19 1/2	11 3/4	1 1/8	6	N.A.	3/4	8	180
10"	583-10	16	23 1/2"	14 1/4	13/16	7	N.A.	7/8	12	270
12"	583-12	19	23 1/4	17	1 1/4	8	20	7/8	12	375
14"	583-14	21	25 3/4	18 3/4	1 3/8	9	22	1	12	450
16"	583-16	23 1/2	28 7/8	21 1/4	1 7/16	10	25	1 1/8	16	601
18"	583-18	25	31	22 3/4	1 9/16	11	28	1 1/8	16	830
20"	583-20	27 1/2	34 7/8	25	1 11/16	13	31	1 1/8	20	1000
24"	583-24	32	41 1/2	29 1/2	1 7/8	16	37	1 1/4	20	1370
30"	583-30	38 3/4	50 3/4	36	2 1/8	20	45	1 1/4	28	2200
36"	583-36	46	80 1/2	42 3/4	2 3/8	33	54	1 1/2	32	4700