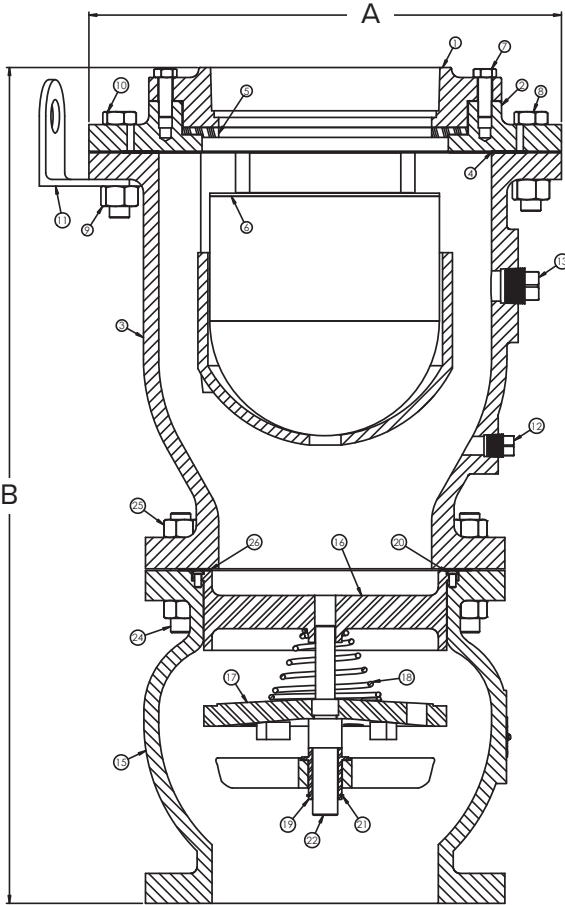


## Dimensional Data and Materials List, 3"-24" AL/SC Series Surge Check Valve

# AL/SC Series: Air & Vacuum Valve with Surge Check, 3"-24"

### AL/SC SERIES, 3"-24" SIZES MATERIALS LIST

Drawing is for representational purposes only. AL Series configurations will change depending on valve size.



#### AL/SC Series, 3"-24"\* Size Specifications

DIMENSIONS ARE IN INCHES. CERTIFIED DIMENSIONS AVAILABLE.

Model	Inlet Size	Outlet Size	W (A)	H (B)	WT (lbs)
AL31/SC	3 CL 150	3 NPT	11.50	22.00	118
AL33/SC	3 CL 300	3 NPT	11.50	22.25	132
AL41/SC	4 CL 150	4 NPT	14	24.69	222
AL43/SC	4 CL 300	4 NPT	14	25.01	222
AL61/SC	6 CL 150	6 NPT	15	25.28	259
AL63/SC	6 CL 300	6 NPT	15	25.65	308
AL81/SC	8 CL 150	8 NPT	17.75	31.25	400
AL83/SC	8 CL 300	8 NPT	17.75	31.75	480
AL101/SC	10 CL 150	10 NPT	23	37.35	685
AL103/SC	10 CL 300	10 NPT	23	38.04	887
AL121/SC	12 CL 150	12 NPT	34.56	48	1120
AL123/SC	12 CL 300	12 NPT	34.56	48	1120
AL141/SC	14 CL 150	14 NPT	30	54.52	1375
AL143/SC	14 CL 300	14 NPT	30	55.27	1349
AL161/SC	16 CL 150	16 NPT	31.80	58.02	1659
AL163/SC	16 CL 300	16 NPT	31.88	58.95	2028
AL201/SC	20 CL 150	20 NPT	43	64.69	3957
AL203/SC	20 CL 300	20 NPT	43	65.50	4380

\* For 24" size specifications, please contact the factory.

#### AL Series Materials List

ITEM	DESC.	MATERIAL
1	TOP	Cast Iron (A126 CL B)
2	COVER FLANGE	Cast Iron (A126 CL B)
3	BODY	Cast Iron (A126 CL B)
4	COVER GASKET	Armstrong N-8092
5	SEAT	Buna-N Rubber (D2000)
6	FLOAT	Stainless Steel (A240)
7	TOP BOLT	Steel (A307)
8	COVER BOLT	Steel (A307)
9	COVER NUT	Steel (A563)
10	LUG BOLT	Steel (A307)
11	LIFTING LUG	Steel (A36)
12	BOTTOM PLUG	Brass (B505)
13	TOP PLUG	Cast Iron (A126 CL B)

#### SC Series Materials List

ITEM	DESC.	MATERIAL
15	BODY	Ductile Iron (ASTM A536)
16	SEAT RING	316 Stainless Steel
17	DISC	316 Stainless Steel
18	SPRING	Stainless Steel (ASTM A313)
19	BUSHING	316 Stainless Steel
20	SCREW	SS (ASTM A193-B8M)
21	RETAINING RING	SS (PH15-7 MO)
22	SHAFT	316 Stainless Steel

#### Connecting Parts Materials List

ITEM	DESC.	MATERIAL
24	FLANGE STUD	Steel
25	FLANGE NUT	Steel
26	FLANGE GASKET	Armstrong N-8092



**PRODUCT LINE**  
AL/SC Series, 3"-24"

**DATE**  
12/18/2023

**REVISION**  
0

**SHEET**  
AL/SC Series Dimensions and Materials List

**DOC. NO.**  
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