

# **Surge Check Valves** THE SC SERIES: Class 150 and Class 300 ANSI Flanged

Sizes 3"-24" Available
Limits the Effects of System Surge on Air Release Valves



#### **SINCE 1905**



600 FOWLER AVENUE, BERWICK, PA 18603



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**CRISPIN VALVE** 



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# **SC SERIES SURGE CHECK VALVES**

#### Limiting the Effects of System Surge on Air Release Valves

The Crispin SC Series Surge Check Valve is a normally open valve used to limit the effects of system surges on the Air Release Valve by controlling the flow rate of a surging water column, thus protecting valve internals.

During operation, the SC Series Valve will close due to the difference in density between air and water. The air will pass freely through both the Surge Check Valve and the Air Release Valve, since the density of the air contacting the Surge Check disc is not great enough to push the disc closed. However, as the air is pushed out of the system by the rising water at a specific velocity, the greater density of the water contacting the disc is enough to push the disc closed. Therefore, with the kinetic energy of the water expended in the Surge Check Valve, the Air Release Valve is free to function without the threat of being slammed closed by exiting water.

The Surge Check disc is provided with thru holes, the quantity of which is field adjusted by replacing or removing machine screws. This adjustment regulates the rate at which the Air Release Valve will fill with water and close.

Surge pressure dampening effectiveness is a function of the Surge Check Valve's design and its repeatability of closure when exit velocity dictates. Data which reflect the surge in the Air Release Valve, with and without the Surge Check Valve, is only relative to the effect of indicating that the Surge Check Valve is closed. The adjustable Surge Check orifices determine the rate at which the Air Release Valve will fill with water. Subsequently, the same Surge Check Valve can provide different surge readings in the Air Release Valve, depending upon the size and number of holes in the disc through which water is allowed to flow. As the orifice area of the disc increases, the relative time between the closure of the Surge Check to closure of the Air Release valve decreases. This will create a greater pressure surge in the Air Release Valve than if the open surface area and the

#### **SC SERIES ADVANTAGES**

- Limits the Effects of System Surges on Air Release Valves
- 🖌 Available in Sizes 3"-24"
- CL 150: 250 PSI Maximum Working Pressure CL 300: 640 PSI Maximum Working Pressure
- Ductile Iron Construction with Stainless Steel Trim

## **SC SERIES OPTIONS**

- Cast Iron ANSI Class 125 and Class 250 Flanging Available. Contact the factory.
- Optional 2 Part High Solids Epoxy Coating
- AIS, Buy America Act, Buy American Act Configurations Available

resulting fill time decreases. The evaluation of a Surge Check Valve should not be restricted to a non-defined pressure reading in the Air Release Valve. Rather, the reliability of the valve to close at and above a specific velocity should be the prime consideration.

Surge Check Valves are normally applied on the inlet of an Air & Vacuum Valve on a system with a flow velocity greater than 10 fps. Air and Vacuum Valves used on the discharge of deep well or vertical turbine pumps should include either a deep well top on the smaller valves, or a Surge Check Valve on those valves larger than 4."

The SC Series should not be used on sewage collection lines or industrial systems with high solids content in the liquid.

NOTE: Materials and prices are subject to change without notice. Metric and special class flange ratings are available.



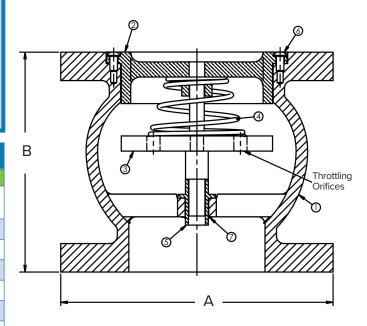
# SC SERIES: MODEL INFORMATION AND DIMENSIONS

#### Installations Where a Surge Check Valve Is Strongly Recommended:

- ✓ If system line velocities are near or exceed 10fps
- ✓ If the installation has a control and/or check valve down stream of the air release valve
- ✓ If the potential for surge exists because of piping configurations (valve at the high point in a system with very steep or vertical slopes on either side and moderate flow velocity.)
- ✓ If conditions exist for an increase in flow velocity due to addition of an alternate source.

SC Series, 3"-24"* Size Specifications						
DIMENSIONS ARE IN INCHES. CERTIFIED DIMENSIONS AVAILABLE.						
Model	Inlet Size	Outlet Size	Width (A)	Height (B)	Weight (lbs)	
SC31	3 CL 150	3 CL 150	7.50	6.00	23	
SC33	3 CL 300	3 CL 300	8.25	6.01	32	
SC41	4 CL 150	4 CL 150	9	7.25	38	
SC43	4 CL 300	4 CL 300	10	7.26	49	
SC61	6 CL 150	6 CL 150	11	9.75	72	
SC63	6 CL 300	6 CL 300	12.50	9.76	101	
SC81	8 CL 150	8 CL 150	13.62	12.51	126	
SC83	8 CL 300	8 CL 300	15	12.51	174	
SC101	10 CL 150	10 CL 150	16.87	15.51	185	
SC103	10 CL 300	10 CL 300	17.50	15.51	275	
SC121	12 CL 150	12 CL 150	20.63	14.26	308	
SC123	12 CL 300	12 CL 300	20.50	14.26	389	
SC141	14 CL 150	14 CL 150	22.50	15.75	380	
SC 143	14 CL 300	14 CL 300	23	15.75	441	
SC161	16 CL 150	16 CL 150	23.50	17.63	525	
SC163	16 CL 300	16 CL 300	26.41	17.63	658	
SC201	20 CL 150	20 CL 150	31.25	20.63	815	
SC203	20 CL 300	20 CL 300	31.25	20.63	1061	

Crispin Surge Check Valves are installed on the inlet of Crispin Air & Vacuum, Dual, Deep Well, Combination and Universal Valves to permit the float or valve to seat without the influence of surge.



	SC Series Materials List					
ITEM	DESC.	MATERIAL				
1	BODY	Ductile Iron (ASTM A536)				
2	SEAT RING	316 Stainless Steel				
3	DISC	316 Stainless Steel				
4	SPRING	Stainless Steel (ASTM A313)				
5	BUSHING	316 Stainless Steel				
6	SCREW	Stainless Steel (ASTM A193-B8M)				
7	RETAINING RING	Stainless Steel (PH15-7 MO)				

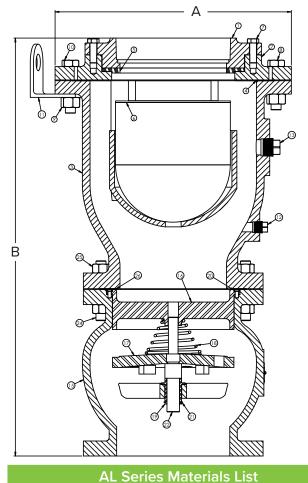
\* For 24" size specifications, please contact the factory.

NOTE: Materials and prices are subject to change without notice. Metric and special class flange ratings are available.



### 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.



ITEM

1

2 3

4

5

6 7

8 9

10 11

12

13

TOP

BODY

SEAT FLOAT

TOP BOLT

LUG BOLT

TOP PLUG

LIFTING LUG

BOTTOM PLUG

COVER BOLT

COVER NUT

DESC.

AL/SC Series, 3"-24"* Size Specifications							
DIMENSIONS ARE IN INCHES. CERTIFIED DIMENSIONS AVAILABLE.							
Model	Inlet Size Outlet Size W (A) H (B) WT (						
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 CL150	6 NPT	15	25.28	259		
AL63/SC	6 CL 300	6 NPT	15	25.65	308		
AL81/SC	AL81/SC 8 CL 150 8 NPT 17.75		17.75	31.25	400		
AL83/SC	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.

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			

NOTE: Materials and prices are subject to change without notice. Metric and special class flange ratings are available.

**MATERIAL** 

Cast Iron (A126 CL B)

Cast Iron (A126 CL B)

Buna-N Rubber (D2000)

Stainless Steel (A240)

Cast Iron (A126 CL B)

Steel (A307)

Steel (A307)

Steel (A563)

Steel (A307)

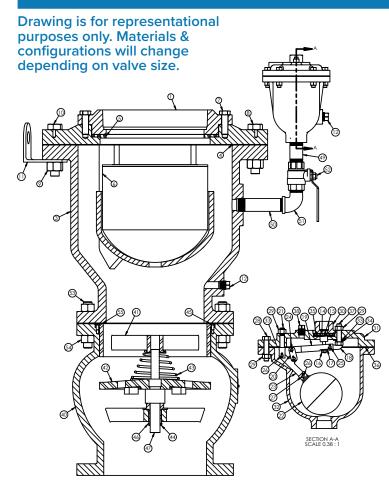
Steel (A36)

Brass (B505)

COVER FLANGE Cast Iron (A126 CL B)

COVER GASKET Armstrong N-8092





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	BODY PLUG Brass (B505)					

	IATERIALS LIST				
PL Series Materials List					
ITEM	DESC.	MATERIAL			
14	PRESSURE SEAT	PVC			
15	VALVE PLUNGER	Buna-N & Stainless Steel			
16	PLUNGER NUT	Stainless Steel			
17	LOCK WASHER	Stainless Steel			
18	VALVE FULCRUM	Stainless Steel			
19	VALVE LEVER	Stainless Steel			
20	LINK	Stainless Steel			
21	FLOAT FULCRUM	Stainless Steel			
22	FLOAT	Stainless Steel			
23	FLOAT LEVER	Stainless Steel			
24	BEARING PIN	Stainless Steel			
25	BEARING PIN	Stainless Steel			
26	BEARING PIN	Stainless Steel			
27	COTTER PIN	Stainless Steel			
28	COVER BOLT	Steel			
29	COVER NUT	Steel			
30	TOP	Cast Iron			
31	COVER FLANGE	Cast Iron			
32	BODY	Cast Iron			
33	FULCRUM WHSR	Fiber			
34	FULCRUM WHSR	Fiber			
35	PRES SEAT GSKT	Buna-N Rubber			
36	COVER GASKET	Armstrong			
37	FULCRUM BOLT	Steel			
38	FLANGE PLUG	Brass			
	SC Series I	Materials List			
ITEM	DESC.	MATERIAL			
40	BODY	Ductile Iron (ASTM A536			
41	SEAT RING	Stainless Steel			
42	DISC	Stainless Steel			
43	SPRING	Stainless Steel			
44	BUSHING	Stainless Steel			
45	SCREW	Stainless Steel			
46	RETAINING RING	Stainless Steel			
47	SHAFT	Stainless Steel			
		arts Materials List			
ITEM	DESC.	MATERIAL			
49	NIPPLE	Steel			
50	NIPPLE	Steel			
51	STREET ELBOW	Malleable Iron			
52	BALL VALVE	Brass			
53	FLANGE STUD	Steel			
54	FLANGE NUT	Steel			
55	FLANGE GASKET	Armstrong			

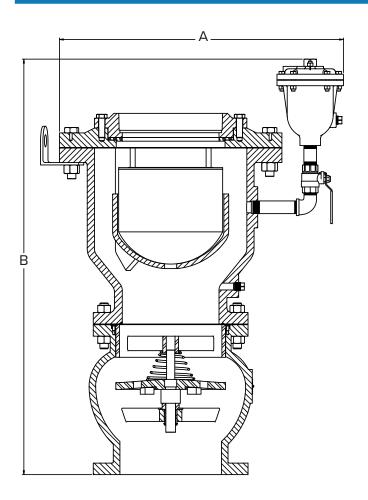
Crispin

NOTE: Materials and prices are subject to change without notice. Metric and special class flange ratings are available.

Crispin Valve, 600 Fowler Ave., Berwick, PA 18603 • 1-800-247-VALV T: (570)752-4524 • F: (570) 752-4962 • WWW.CRISPINVALVE.COM • info@crispinvalve.com

# AL/SC/PL Series: A&V/SC/Pressure Air Release Valve, 3"-20"

AL/SC/PL SERIES, 3"-20" SIZES DIMENSIONS



Flange Ratings represent Ductile Iron Bodies only. For Cast Iron Bodies and Flanging, please contact the factory.

Drawing is for representational purposes only. Materials & configurations will change depending on valve size.

\*HD: Hooded

ModelInlet SizeOutlet SizePipe CNWD (A)HT (B)WT (B)AL31/SC/M53 CL 1503 NPT1/216.2125.35129AL31/SC/PL103 CL 1503 NPT117.4429.05148AL41/SC/PL104 CL 1504 NPT1/218.4427.16217AL41/SC/PL106 CL 1506 NPT120.5632.48282AL61/SC/PL206 CL 1506 NPT222.1235.56305AL81/SC/PL08 CL 1508 NPT122.9438.67424AL31/SC/PL08 CL 1508 NPT129.4443.12798AL101/SC/PL08 CL 15010 NPT129.4443.12798AL101/SC/PL010 CL 15010 NPT129.4443.12798AL101/SC/PL010 CL 15010 HD230.2546.19954AL11/SC/PL012 CL 15012 HD235.645.19954AL141/SC/PL014 CL 15014 HD236.0654.52152AL141/SC/PL014 CL 15014 HD236.0754.521474AL161/SC/PL014 CL 15016 HD137.3158.021785AL141/SC/PL016 CL 15016 HD137.3158.021785AL141/SC/PL016 CL 15016 HD137.3158.021585AL161/SC/PL016 CL 15016 HD236.8754.52 <tr< th=""><th colspan="8">AL/3C Selles, 3-20 Size Specifications</th></tr<>	AL/3C Selles, 3-20 Size Specifications							
Model         Size         CN         (A)         (B)         (Ibs)           AL31/SC/M5         3 CL 150         3 NPT         1/2         16.21         25.35         129           AL31/SC/PL10         3 CL 150         3 NPT         1         17.44         29.05         148           AL41/SC/PL10         4 CL 150         4 NPT         1         19.63         30.87         245           AL61/SC/PL10         6 CL 150         6 NPT         1         20.56         32.48         282           AL61/SC/PL20         6 CL 150         6 NPT         1         22.94         38.67         424           AL81/SC/PL0         8 CL 150         8 NPT         1         29.44         4312         798           AL101/SC/PL10         8 CL 150         8 HD*         2         30.25         46.15         838           AL101/SC/PL10         10 CL 150         10 HD         2         30.25         46.15         838           AL121/SC/PL10         12 CL 150         14 HD         1         36.06         54.52         1152           AL141/SC/PL10         14 CL 150         14 HD         2         36.16         39.15         31.52           AL141/SC/PL10	DIMENSIONS ARE IN INCHES. CERTIFIED DIMENSIONS AVAILABLE.							
Size         Size         CN         (A)         (B)         (BS)           AL3I/SC/PL10         3 CL 150         3 NPT         1         17.44         29.05         148           AL4I/SC/PL10         3 CL 150         3 NPT         1         17.44         29.05         148           AL4I/SC/PL10         4 CL 150         4 NPT         1         19.63         30.87         245           AL61/SC/PL20         6 CL 150         6 NPT         1         20.56         32.82         30.87         424           AL61/SC/PL20         6 CL 150         6 NPT         1         29.44         38.67         424           AL10/SC/PL0         8 CL 150         8 HD*         2         24.62         41.50         44.7           AL10/SC/PL0         10 CL 150         10 HD         2         30.25         46.43         388           AL121/SC/PL0         12 CL 150         12 HD         1         31.09         44.21         923           AL141/SC/PL10         14 CL 150         14 HD         1         36.02         1552           AL141/SC/PL20         14 CL 150         14 HD         1         36.02         1552           AL141/SC/PL10         16 CL 150	Model							
AL31/SC/PL103 CL 1503 NPT117.4429.05148AL41/SC/M54 CL 1504 NPT1/218.4427.16217AL41/SC/PL104 CL 1506 NPT19.0532.48282AL61/SC/PL206 CL 1506 NPT12.05630.67424AL61/SC/PL206 CL 1508 NPT12.94338.67424AL81/SC/PL008 CL 1508 HD*224.6241.50447AL101/SC/PL1010 CL 15010 NPT129.4443.12798AL101/SC/PL1010 CL 15010 HD230.2546.45838AL121/SC/PL2012 CL 15012 HD131.0944.21923AL121/SC/PL0012 CL 15012 HD136.0654.521152AL141/SC/PL0114 CL 15014 HD136.0654.521474AL161/SC/PL0216 CL 15016 HD137.3158.021855AL161/SC/PL0216 CL 15016 HD137.3158.021855AL201/SC/PL0210 CL 15010 HD236.8754.521454AL33/SC/PL0220 CL 15020 HD149.2864.693985AL201/SC/PL0216 CL 15016 HD137.3158.021555AL33/SC/PL033CL 3003 NPT117.4429.43160AL33/SC/PL033CL 3003 NPT116.6331.8222.9235.16				CN	(A)		(lbs)	
AL41/SC/M54 CL 1504 NPT1/218.4427.16217AL41/SC/PL104 CL 1504 NPT119.6330.87245AL61/SC/PL006 CL 1506 NPT222.1235.56305AL81/SC/PL08 CL 1508 NPT122.9438.67424AL81/SC/PL08 CL 1508 NPT12.94443.12798AL101/SC/PL010 CL 15010 NPT129.4443.12798AL101/SC/PL010 CL 15010 HD230.2546.45838AL121/SC/PL012 CL 15012 HD131.0944.21923AL141/SC/PL014 CL 15014 HD136.0654.52152AL141/SC/PL014 CL 15014 HD236.8754.521474AL61/SC/PL016 CL 15016 HD137.3158.021755AL161/SC/PL016 CL 15016 HD239.1258.021815AL201/SC/PL020 CL 15020 HD251.0864.693985AL33/SC/PL030 CL 3003 NPT149.2864.693985AL33/SC/PL03 CL 3003 NPT115.6224.98166AL43/SC/PL103 CL 3003 NPT117.4429.43166AL43/SC/PL04 CL 3004 NPT116.633.118262AL43/SC/PL06 CL 3006 NPT129.4438.1631AL33/SC/PL06 CL	AL31/SC/M5	3 CL 150	3 NPT	1/2	16.21	25.35	129	
AL41/SC/PL104 CL 1504 NPT119.6330.87245AL61/SC/PL006 CL 1506 NPT222.1235.56305AL81/SC/PL008 CL 1508 NPT122.9438.67424AL81/SC/PL008 CL 1508 HD*224.6241.50447AL101/SC/PL010 CL 15010 NPT129.4443.12798AL101/SC/PL010 CL 15010 HD230.2546.45838AL121/SC/PL012 CL 15012 HD131.0944.21923AL141/SC/PL012 CL 15014 HD136.0654.52152AL141/SC/PL014 CL 15014 HD236.8754.521474AL161/SC/PL016 CL 15016 HD137.3158.021755AL161/SC/PL016 CL 15016 HD239.1258.021815AL201/SC/PL020 CL 15020 HD251.0864.693985AL201/SC/PL020 CL 15020 HD251.0864.693985AL33/SC/PL03 CL 3003 NPT117.4429.43166AL43/SC/PL103 CL 3003 NPT119.6331.18262AL43/SC/PL04 CL 3004 NPT119.6331.81262AL43/SC/PL04 CL 3006 NPT129.4438.6751AL33/SC/PL06 CL 3006 NPT129.4438.1631AL43/SC/PL06 C	AL31/SC/PL10	3 CL 150	3 NPT	1	17.44	29.05	148	
ALG1/SC/PL106 CL 1506 NPT120.5632.48282ALG1/SC/PL206 CL 1506 NPT222.1235.56305AL81/SC/PL08 CL 1508 NPT122.9438.67424AL10/SC/PL010 CL 15010 NPT129.4443.12798AL10/SC/PL010 CL 15010 NPT129.4443.12798AL10/SC/PL010 CL 15012 HD131.944.21923AL12/SC/PL012 CL 15012 HD346.19954AL141/SC/PL012 CL 15014 HD236.8754.521152AL141/SC/PL014 CL 15014 HD236.8754.521474AL161/SC/PL016 CL 15016 HD137.3158.021855AL161/SC/PL016 CL 15016 HD149.2864.693985AL201/SC/PL020 CL 15020 HD251.0864.693985AL201/SC/PL020 CL 15020 HD251.0864.693985AL33/SC/PL03 CL 3003 NPT149.2864.693985AL33/SC/PL03 CL 3003 NPT117.4429.43166AL43/SC/PL04 CL 3004 NPT221.4336.00297AL33/SC/PL06 CL 3006 NPT129.4438.6751.45AL33/SC/PL06 CL 3006 NPT221.4336.0032.91AL33/SC/PL06 CL 300<	AL41/SC/M5	4 CL 150	4 NPT	1/2	18.44	27.16	217	
ALG1/SC/PL206 CL 1506 NPT222.1235.56305AL81/SC/PL08 CL 1508 NPT122.9438.67424AL81/SC/PL08 CL 15010 NPT129.4443.12798AL101/SC/PL010 CL 15010 HD230.2546.45838AL121/SC/PL012 CL 15012 HD133.1944.21923AL13/SC/PL012 CL 15012 HD136.0654.521152AL141/SC/PL014 CL 15014 HD136.0754.521744AL161/SC/PL014 CL 15014 HD236.8754.521755AL161/SC/PL016 CL 15016 HD137.3158.021785AL201/SC/PL016 CL 15016 HD239.1258.021855AL201/SC/PL020 CL 15020 HD251.0864.693985AL201/SC/PL020 CL 15020 HD251.0864.693985AL30/SC/PL020 CL 15020 HD251.0864.693985AL33/SC/PL03 CL 3003 NPT117.4429.43160AL43/SC/PL03 CL 3003 NPT119.6331.18262AL43/SC/PL04 CL 3004 NPT224.6236.0731.18AL33/SC/PL04 CL 3006 NPT120.4636.6751.41AL33/SC/PL06 CL 3006 NPT120.4636.0751.41AL43/SC/PL0	AL41/SC/PL10	4 CL 150	4 NPT	1	19.63	30.87	245	
AL81/SC/PL108 CL 1508 NPT122.9438.67424AL81/SC/PL208 CL 15010 NPT129.4443.12798AL101/SC/PL1010 CL 15010 HD230.2546.45838AL121/SC/PL012 CL 15012 HD133.1944.21923AL121/SC/PL012 CL 15012 HD235.46.19954AL141/SC/PL014 CL 15014 HD136.0654.521152AL141/SC/PL014 CL 15014 HD236.8754.521474AL161/SC/PL016 CL 15016 HD137.3158.021815AL201/SC/PL020 CL 15020 HD149.2864.693985AL201/SC/PL020 CL 15020 HD149.2864.693985AL201/SC/PL020 CL 15020 HD149.2864.693985AL33/SC/PL020 CL 15020 HD149.2864.693985AL33/SC/PL03 CL 3003 NPT1215.6224.98165AL43/SC/PL03 CL 3003 NPT114.4329.43166AL43/SC/PL04 CL 3004 NPT119.6331.18262AL43/SC/PL04 CL 3006 NPT129.4438.67514AL33/SC/PL06 CL 3006 NPT129.4443.81912AL63/SC/PL010 CL 30010 NPT129.4443.81912AL63/SC/PL0 <td< td=""><td>AL61/SC/PL10</td><td>6 CL 150</td><td>6 NPT</td><td>1</td><td>20.56</td><td>32.48</td><td>282</td></td<>	AL61/SC/PL10	6 CL 150	6 NPT	1	20.56	32.48	282	
AL81/SC/PL208 CL 1508 HD*224.6241.50447AL101/SC/PL010 CL 15010 HD230.2546.45838AL121/SC/PL012 CL 15012 HD133.1944.21923AL121/SC/PL012 CL 15012 HD235.46.19954AL141/SC/PL014 CL 15014 HD136.0654.521152AL141/SC/PL014 CL 15014 HD236.8754.521474AL161/SC/PL016 CL 15016 HD137.3158.021815AL201/SC/PL020 CL 15020 HD251.0864.699055AL201/SC/PL020 CL 15020 HD251.0864.699055AL33/SC/PL020 CL 15020 HD251.0864.699055AL33/SC/PL030 CL 3003 NPT1215.6224.98165AL33/SC/PL03 CL 3003 NPT1117.4429.43166AL43/SC/PL04 CL 3004 NPT119.6331.18262AL43/SC/PL06 CL 3006 NPT120.5632.9232.11AL63/SC/PL06 CL 3006 NPT129.4443.81912AL33/SC/PL06 CL 3006 NPT129.4443.81912AL43/SC/PL06 CL 3006 NPT129.4438.6754.42AL33/SC/PL06 CL 3006 NPT129.4436.0054.42AL33/SC/PL0 <td< td=""><td>AL61/SC/PL20</td><td>6 CL 150</td><td>6 NPT</td><td>2</td><td>22.12</td><td>35.56</td><td>305</td></td<>	AL61/SC/PL20	6 CL 150	6 NPT	2	22.12	35.56	305	
AL101/SC/PL1010 CL 15010 NPT129.4443.12798AL101/SC/PL2010 CL 15012 HD133.1944.21923AL121/SC/PL2012 CL 15012 HD235.46.19954AL141/SC/PL2012 CL 15012 HD236.8754.521152AL141/SC/PL0014 CL 15014 HD136.0654.521474AL161/SC/PL0016 CL 15016 HD137.3158.021815AL201/SC/PL016 CL 15016 HD239.1258.021815AL201/SC/PL020 CL 15020 HD251.0864.693985AL201/SC/PL020 CL 15020 HD251.0864.693085AL33/SC/PL1020 CL 15020 HD251.0864.694015ModelNetter Size20 HD251.0864.693085AL33/SC/PL103 CL 3003 NPT117.4429.43166AL43/SC/PL103 CL 3003 NPT119.6331.18262AL43/SC/PL104 CL 3004 NPT110.6032.9232.11AL63/SC/PL106 CL 3006 NPT120.4641.5034.44AL3/SC/PL1010 CL 30010 NPT129.4443.81912AL43/SC/PL1010 CL 30010 NPT129.4443.81912AL43/SC/PL1010 CL 30010 NPT129.4443.81912	AL81/SC/PL10	8 CL 150	8 NPT	1	22.94	38.67	424	
AL101/SC/PL2010 CL 15010 HD230.2546.45838AL121/SC/PL2012 CL 15012 HD133.1944.21923AL121/SC/PL2012 CL 15012 HD23546.19954AL141/SC/PL014 CL 15014 HD136.0654.521152AL141/SC/PL014 CL 15014 HD236.8754.521474AL161/SC/PL016 CL 15016 HD137.3158.021815AL201/SC/PL020 CL 15020 HD251.0864.693985AL201/SC/PL020 CL 15020 HD251.0864.693085AL33/SC/PL020 CL 15020 HD251.0864.694015ModelInlet SizeOutlet SizePipe CNWDHT (B)WT (B)AL33/SC/PL03 CL 3003 NPT117.4429.43166AL43/SC/PL103 CL 3003 NPT119.6331.18262AL43/SC/PL104 CL 3004 NPT116.0331.18262AL43/SC/PL106 CL 3006 NPT120.5632.92321AL63/SC/PL106 CL 3006 NPT120.4641.50544AL3/SC/PL1010 CL 30010 NPT129.4443.81912AL63/SC/PL1010 CL 30010 HD230.2547.14952AL43/SC/PL1010 CL 30010 HD230.2546.19105<	AL81/SC/PL20	8 CL 150	8 HD*	2	24.62	41.50	447	
AL121/SC/PL0012 CL 15012 HD133.1944.21923AL121/SC/PL2012 CL 15012 HD23546.19954AL141/SC/PL0014 CL 15014 HD236.0654.521152AL141/SC/PL0014 CL 15014 HD236.8754.521474AL161/SC/PL0016 CL 15016 HD137.3158.021855AL201/SC/PL0016 CL 15016 HD239.1258.021815AL201/SC/PL0020 CL 15020 HD149.2864.693985AL201/SC/PL0020 CL 15020 HD251.0864.694015ModelInlet Size02 CL 15020 HD251.0864.694015AL33/SC/PL003 CL 3003 NPT1/215.6224.98166AL43/SC/PL003 CL 3003 NPT117.4429.43166AL43/SC/PL003 CL 3003 NPT119.6331.18262AL43/SC/PL004 CL 3004 NPT119.6331.81262AL43/SC/PL006 CL 3006 NPT121.4336.00297AL63/SC/PL006 CL 3006 NPT120.4231.6051.44AL33/SC/PL008 CL 3008 NPT120.4241.5054.44AL33/SC/PL008 CL 30010 NPT129.4431.6151.44AL63/SC/PL0010 CL 30010 NPT129.4443.81912 </td <td>AL101/SC/PL10</td> <td>10 CL 150</td> <td>10 NPT</td> <td>1</td> <td>29.44</td> <td>43.12</td> <td>798</td>	AL101/SC/PL10	10 CL 150	10 NPT	1	29.44	43.12	798	
AL121/SC/PL2012 CL 15012 HD23546.19954AL141/SC/PL0114 CL 15014 HD136.0654.521152AL141/SC/PL0214 CL 15014 HD236.8754.521474AL161/SC/PL0116 CL 15016 HD137.3158.021855AL201/SC/PL0216 CL 15016 HD239.1258.021815AL201/SC/PL0220 CL 15020 HD251.0864.693985AL201/SC/PL0220 CL 15020 HD251.0864.694015ModelSizeSizeNP4444AL33/SC/PL03 CL 3003 NPT115.6224.98166AL43/SC/PL03 CL 3003 NPT119.6331.88262AL43/SC/PL04 CL 3004 NPT119.6331.88262AL43/SC/PL06 CL 3006 NPT120.5632.92321AL63/SC/PL06 CL 3006 NPT120.5632.92321AL83/SC/PL08 CL 3008 NPT124.6241.50544AL103/SC/PL010 CL 30010 HD230.2547.14952AL103/SC/PL010 CL 30010 HD235.946.91005AL43/SC/PL012 CL 30012 HD36.0655.271685AL143/SC/PL014 CL 30014 HD236.8755.271685AL133/SC/PL016 CL 300 <td< td=""><td>AL101/SC/PL20</td><td>10 CL 150</td><td>10 HD</td><td>2</td><td>30.25</td><td>46.45</td><td>838</td></td<>	AL101/SC/PL20	10 CL 150	10 HD	2	30.25	46.45	838	
AL141/SC/PL0014 CL 15014 HD136.0654.521474AL161/SC/PL0016 CL 15016 HD137.3158.021785AL161/SC/PL0016 CL 15016 HD239.1258.021815AL201/SC/PL0020 CL 15020 HD149.2864.693985AL201/SC/PL0020 CL 15020 HD251.0864.694015ModelInlet SizeOutlet SizePipe CNWDHT (B)VT (B)AL33/SC/PL03 CL 3003 NPT1215.6224.98165AL33/SC/PL03 CL 3003 NPT1119.6331.8262AL43/SC/PL04 CL 3004 NPT119.6331.8262AL43/SC/PL06 CL 3006 NPT120.5632.92321AL63/SC/PL06 CL 3006 NPT120.5632.92321AL83/SC/PL08 CL 3008 NPT122.9436.00351AL83/SC/PL08 CL 3008 NPT129.4443.81912AL103/SC/PL010 CL 30010 HD230.2547.14952AL103/SC/PL012 CL 30012 HD131.9944.211076AL13/SC/PL012 CL 30012 HD136.0655.271655AL143/SC/PL014 CL 30014 HD236.8755.271655AL143/SC/PL016 CL 30016 HD137.3158.952054<	AL121/SC/PL10	12 CL 150	12 HD	1	33.19	44.21	923	
AL141/SC/PL20       14 CL 150       14 HD       2       36.87       54.52       1474         AL161/SC/PL10       16 CL 150       16 HD       1       37.31       58.02       1785         AL161/SC/PL20       16 CL 150       16 HD       2       39.12       58.02       1815         AL201/SC/PL00       20 CL 150       20 HD       1       49.28       64.69       3985         AL201/SC/PL02       20 CL 150       20 HD       2       51.08       64.69       4015         Model       Inlet Size       20 HD       2       51.08       64.69       4015         AL33/SC/PL0       3 CL 300       3 NPT       12       15.62       24.98       165         AL43/SC/PL10       3 CL 300       3 NPT       1       17.44       29.43       166         AL43/SC/PL10       4 CL 300       4 NPT       1       19.63       31.18       262         AL43/SC/PL10       4 CL 300       4 NPT       1       19.63       31.18       262         AL43/SC/PL10       6 CL 300       6 NPT       1       20.56       32.92       321         AL63/SC/PL10       8 CL 300       8 NPT       1       22.94       38.67 <t< td=""><td>AL121/SC/PL20</td><td>12 CL 150</td><td>12 HD</td><td>2</td><td>35</td><td>46.19</td><td>954</td></t<>	AL121/SC/PL20	12 CL 150	12 HD	2	35	46.19	954	
AL161/SC/PL10       16 CL 150       16 HD       1       37.31       58.02       1815         AL161/SC/PL20       16 CL 150       16 HD       2       39.12       58.02       1815         AL201/SC/PL10       20 CL 150       20 HD       1       49.28       64.69       3985         AL201/SC/PL20       20 CL 150       20 HD       2       51.08       64.69       4015         Model       Inlet       Outlet       Fipe       WD       HT       WT       (lbs)         AL33/SC/M5       3 CL 300       3 NPT       1/2       15.62       24.98       166         AL43/SC/PL10       3 CL 300       3 NPT       1       17.44       29.43       166         AL43/SC/PL10       4 CL 300       4 NPT       1       19.63       31.18       262         AL43/SC/PL20       4 CL 300       4 NPT       1       19.63       31.18       262         AL63/SC/PL20       6 CL 300       6 NPT       1       20.56       32.92       321         AL63/SC/PL20       8 CL 300       8 NPT       1       22.94       36.00       351         AL63/SC/PL20       8 CL 300       8 NPT       1       29.44       43.81	AL141/SC/PL10	14 CL 150	14 HD	1	36.06	54.52	1152	
AL161/SC/PL2016 CL 15016 HD239.1258.021815AL201/SC/PL0020 CL 15020 HD149.2864.693985AL201/SC/PL0020 CL 15020 HD251.0864.694015ModelInlet SizeOutlet SizePipe CNWD (A)HT (B)WT (Ibs)AL33/SC/M53 CL 3003 NPT1/215.6224.98165AL33/SC/PL103 CL 3003 NPT117.4429.43166AL43/SC/PL104 CL 3004 NPT119.6331.18262AL43/SC/PL004 CL 3004 NPT119.6331.09297AL63/SC/PL006 CL 3006 NPT120.5632.92321AL63/SC/PL006 CL 3006 NPT120.5632.92321AL83/SC/PL008 CL 3008 NPT122.9438.67514AL83/SC/PL0010 CL 30010 NPT129.4443.81912AL103/SC/PL0010 CL 30010 HD230.2547.14952AL123/SC/PL0012 CL 30012 HD133.1944.211076AL143/SC/PL0014 CL 30014 HD136.0655.271655AL143/SC/PL0014 CL 30016 HD137.3158.952054AL163/SC/PL0016 CL 30016 HD137.3158.952054AL163/SC/PL0016 CL 30016 HD239.1258	AL141/SC/PL20	14 CL 150	14 HD	2	36.87	54.52	1474	
AL201/SC/PL10         20 CL 150         20 HD         1         49.28         64.69         3985           AL201/SC/PL20         20 CL 150         20 HD         2         51.08         64.69         4015           Model         Inlet Size         Outlet Size         Pip CN         WD (A)         HT (B)         WT (b)           AL33/SC/M5         3 CL 300         3 NPT         1/2         15.62         24.98         165           AL33/SC/PL10         3 CL 300         3 NPT         1         17.44         29.43         166           AL43/SC/PL10         4 CL 300         4 NPT         1         19.63         31.18         262           AL43/SC/PL0         4 CL 300         4 NPT         1         19.63         31.81         262           AL63/SC/PL0         6 CL 300         6 NPT         1         20.56         32.92         321           AL83/SC/PL0         6 CL 300         6 NPT         1         20.56         32.92         321           AL83/SC/PL0         8 CL 300         8 NPT         1         22.94         36.00         514           AL103/SC/PL0         10 CL 300         10 NPT         1         29.44         43.81         912      <	AL161/SC/PL10	16 CL 150	16 HD	1	37.31	58.02	1785	
AL201/SC/PL2020 CL 15020 HD251.0864.694015ModelInlet SizeOutlet SizePipe CNWD (A)HT (B)WT (Ibs)AL33/SC/M53 CL 3003 NPT1/215.6224.98165AL33/SC/P103 CL 3003 NPT117.4429.43166AL43/SC/PL104 CL 3004 NPT119.6331.18262AL43/SC/PL004 CL 3004 NPT120.5632.92321AL63/SC/PL006 CL 3006 NPT120.5632.92321AL63/SC/PL006 CL 3006 NPT222.1236.00351AL83/SC/PL008 CL 3008 NPT122.9438.67514AL83/SC/PL008 CL 3008 HD224.6241.50544AL103/SC/PL0010 CL 30010 NPT129.4443.81912AL103/SC/PL0010 CL 30012 HD230.2547.14952AL123/SC/PL0012 CL 30012 HD133.1944.211076AL143/SC/PL0014 CL 30014 HD136.0655.271655AL143/SC/PL0014 CL 30016 HD137.3158.952054AL163/SC/PL0016 CL 30016 HD239.1258.952054AL163/SC/PL0016 CL 30016 HD239.1258.952054	AL161/SC/PL20	16 CL 150	16 HD	2	39.12	58.02	1815	
ModelInlet SizeOutlet SizePipe CNWD (A)HT (B)WT (Ibs)AL33/SC/M53 CL 3003 NPT1/215.6224.98165AL33/SC/PL103 CL 3003 NPT117.4429.43166AL43/SC/PL104 CL 3004 NPT119.6331.18262AL43/SC/PL204 CL 3004 NPT221.4336.00297AL63/SC/PL106 CL 3006 NPT120.5632.92321AL63/SC/PL206 CL 3006 NPT222.1236.00351AL83/SC/PL208 CL 3008 NPT122.9438.67514AL83/SC/PL208 CL 3008 HD224.6241.50544AL103/SC/PL2010 CL 30010 NPT129.4443.81912AL103/SC/PL2010 CL 30010 HD230.2547.14952AL123/SC/PL2012 CL 30012 HD133.1944.211076AL123/SC/PL2014 CL 30014 HD136.0655.271655AL143/SC/PL2014 CL 30014 HD136.3655.271655AL143/SC/PL1016 CL 30016 HD137.3158.952054AL163/SC/PL2016 CL 30016 HD239.1258.952054AL163/SC/PL2016 CL 30016 HD239.1258.952054	AL201/SC/PL10	20 CL 150	20 HD	1	49.28	64.69	3985	
ModelSizeSizeCN(A)(B)(Ibs)AL33/SC/M53 CL 3003 NPT1/215.6224.98165AL33/SC/PL103 CL 3003 NPT117.4429.43166AL43/SC/PL104 CL 3004 NPT119.6331.18262AL43/SC/PL204 CL 3004 NPT119.6331.98262AL63/SC/PL106 CL 3006 NPT120.5632.92321AL63/SC/PL206 CL 3006 NPT221.4336.00351AL83/SC/PL206 CL 3006 NPT222.1236.00351AL83/SC/PL208 CL 3008 NPT122.9438.67514AL103/SC/PL2010 CL 30010 NPT129.4443.81912AL103/SC/PL2010 CL 30010 HD230.2547.14952AL123/SC/PL2012 CL 30012 HD133.1944.211076AL143/SC/PL2012 CL 30012 HD136.0655.271655AL143/SC/PL2014 CL 30014 HD136.3655.271655AL143/SC/PL2014 CL 30016 HD137.3158.952054AL163/SC/PL2016 CL 30016 HD239.1258.952054	AL201/SC/PL20	20 CL 150	20 HD	2	51.08	64.69	4015	
AL33/SC/M53 CL 3003 NPT1/215.6224.98165AL33/SC/PL103 CL 3003 NPT117.4429.43166AL43/SC/PL104 CL 3004 NPT119.6331.18262AL43/SC/PL204 CL 3004 NPT221.4336.00297AL63/SC/PL106 CL 3006 NPT120.5632.92321AL63/SC/PL206 CL 3006 NPT222.1236.00351AL83/SC/PL108 CL 3008 NPT122.9438.67514AL83/SC/PL208 CL 3008 HD224.6241.50544AL103/SC/PL010 CL 30010 NPT129.4443.81912AL103/SC/PL010 CL 30010 HD230.2547.14952AL123/SC/PL012 CL 30012 HD133.1944.211076AL123/SC/PL012 CL 30012 HD136.0655.271655AL143/SC/PL014 CL 30014 HD136.8755.271685AL143/SC/PL014 CL 30016 HD137.3158.952054AL163/SC/PL016 CL 30016 HD239.1258.952054	Medal	Inlet	Outlet	Pipe	WD	HT	WT	
AL33/SC/PL103 CL 3003 NPT117.4429.43166AL43/SC/PL04 CL 3004 NPT119.6331.18262AL43/SC/PL04 CL 3004 NPT221.4336.00297AL63/SC/PL06 CL 3006 NPT120.5632.92321AL63/SC/PL06 CL 3006 NPT122.4236.00351AL83/SC/PL08 CL 3008 NPT122.9438.67514AL83/SC/PL08 CL 3008 HD224.6241.50544AL103/SC/PL010 CL 30010 NPT129.4443.81912AL103/SC/PL010 CL 30010 HD230.2547.14952AL123/SC/PL012 CL 30012 HD131.944.211076AL143/SC/PL012 CL 30014 HD136.0655.271655AL143/SC/PL014 CL 30014 HD136.8755.271685AL163/SC/PL016 CL 30016 HD137.3158.952054AL163/SC/PL016 CL 30016 HD239.1258.952054	woder	Size	Size		(A)	(B)	(lbs)	
AL43/SC/PL104 CL 3004 NPT119.6331.18262AL43/SC/PL204 CL 3004 NPT221.4336.00297AL63/SC/PL106 CL 3006 NPT120.5632.92321AL63/SC/PL206 CL 3006 NPT222.1236.00351AL83/SC/PL08 CL 3008 NPT122.9438.67514AL83/SC/PL08 CL 3008 HD224.6241.50544AL103/SC/PL010 CL 30010 NPT129.4443.81912AL103/SC/PL010 CL 30010 HD230.2547.14952AL123/SC/PL012 CL 30012 HD133.1944.211076AL143/SC/PL014 CL 30014 HD136.0655.271655AL143/SC/PL014 CL 30016 HD236.8755.271685AL163/SC/PL016 CL 30016 HD239.1258.952084	AL33/SC/M5	3 CL 300	3 NPT	1/2	15.62	24.98	165	
AL43/SC/PL204 CL 3004 NPT221.4336.00297AL63/SC/PL106 CL 3006 NPT120.5632.92321AL63/SC/PL206 CL 3006 NPT222.1236.00351AL83/SC/PL108 CL 3008 NPT122.9438.67514AL83/SC/PL208 CL 3008 HD224.6241.50544AL103/SC/PL2010 CL 30010 NPT129.4443.81912AL103/SC/PL2010 CL 30010 HD230.2547.14952AL123/SC/PL2012 CL 30012 HD133.1944.211076AL143/SC/PL2014 CL 30014 HD136.0655.271655AL143/SC/PL2014 CL 30016 HD236.8755.271685AL163/SC/PL2016 CL 30016 HD239.1258.952054	AL33/SC/PL10	3 CL 300	3 NPT	1	17.44	29.43	166	
AL63/SC/PL106 CL 3006 NPT120.5632.92321AL63/SC/PL206 CL 3006 NPT222.1236.00351AL83/SC/PL108 CL 3008 NPT122.9438.67514AL83/SC/PL208 CL 3008 HD224.6241.50544AL103/SC/PL010 CL 30010 NPT129.4443.81912AL103/SC/PL010 CL 30010 HD230.2547.14952AL123/SC/PL012 CL 30012 HD133.1944.211076AL123/SC/PL012 CL 30012 HD23546.191105AL143/SC/PL014 CL 30014 HD136.0655.271655AL163/SC/PL016 CL 30016 HD137.3158.952054AL163/SC/PL2016 CL 30016 HD239.1258.952085	AL43/SC/PL10	4 CL 300	4 NPT	1	19.63	31.18	262	
AL63/SC/PL206 CL 3006 NPT222.1236.00351AL83/SC/PL108 CL 3008 NPT122.9438.67514AL83/SC/PL208 CL 3008 HD224.6241.50544AL103/SC/PL1010 CL 30010 NPT129.4443.81912AL103/SC/PL2010 CL 30010 HD230.2547.14952AL123/SC/PL3012 CL 30012 HD133.1944.211076AL123/SC/PL4012 CL 30012 HD23546.191105AL143/SC/PL4014 CL 30014 HD136.0655.271655AL143/SC/PL4014 CL 30016 HD236.8755.271685AL163/SC/PL4016 CL 30016 HD239.1258.952054AL163/SC/PL4016 CL 30016 HD239.1258.952085	AL43/SC/PL20	4 CL 300	4 NPT	2	21.43	36.00	297	
AL83/SC/PL108 CL 3008 NPT122.9438.67514AL83/SC/PL208 CL 3008 HD224.6241.50544AL103/SC/PL1010 CL 30010 NPT129.4443.81912AL103/SC/PL2010 CL 30010 HD230.2547.14952AL123/SC/PL012 CL 30012 HD133.1944.211076AL123/SC/PL012 CL 30012 HD23546.191105AL143/SC/PL1014 CL 30014 HD136.0655.271655AL143/SC/PL1016 CL 30016 HD239.1258.952054AL163/SC/PL2016 CL 30016 HD239.1258.952085	AL63/SC/PL10	6 CL 300	6 NPT	1	20.56	32.92	321	
AL83/SC/PL208 CL 3008 HD224.6241.50544AL103/SC/PL010 CL 30010 NPT129.4443.81912AL103/SC/PL010 CL 30010 HD230.2547.14952AL123/SC/PL012 CL 30012 HD133.1944.211076AL123/SC/PL012 CL 30012 HD23546.191105AL143/SC/PL014 CL 30014 HD136.0655.271655AL143/SC/PL016 CL 30016 HD137.3158.952054AL163/SC/PL016 CL 30016 HD239.1258.952085	AL63/SC/PL20	6 CL 300	6 NPT	2	22.12	36.00	351	
AL103/SC/PL1010 CL 30010 NPT129.4443.81912AL103/SC/PL2010 CL 30010 HD230.2547.14952AL123/SC/PL1012 CL 30012 HD133.1944.211076AL123/SC/PL2012 CL 30012 HD23546.191105AL143/SC/PL1014 CL 30014 HD136.0655.271655AL143/SC/PL2014 CL 30016 HD236.8755.271685AL163/SC/PL1016 CL 30016 HD239.1258.952054	AL83/SC/PL10	8 CL 300	8 NPT	1	22.94	38.67	514	
AL103/SC/PL2010 CL 30010 HD230.2547.14952AL123/SC/PL1012 CL 30012 HD133.1944.211076AL123/SC/PL2012 CL 30012 HD23546.191105AL143/SC/PL1014 CL 30014 HD136.0655.271655AL143/SC/PL2014 CL 30016 HD236.8755.271685AL163/SC/PL1016 CL 30016 HD239.1258.952054	AL83/SC/PL20	8 CL 300	8 HD	2	24.62	41.50	544	
AL123/SC/PL1012 CL 30012 HD133.1944.211076AL123/SC/PL2012 CL 30012 HD23546.191105AL143/SC/PL1014 CL 30014 HD136.0655.271655AL143/SC/PL2014 CL 30014 HD236.8755.271685AL163/SC/PL1016 CL 30016 HD137.3158.952054AL163/SC/PL2016 CL 30016 HD239.1258.952085	AL103/SC/PL10	10 CL 300	10 NPT	1	29.44	43.81	912	
AL123/SC/PL2012 CL 30012 HD23546.191105AL143/SC/PL1014 CL 30014 HD136.0655.271655AL143/SC/PL2014 CL 30014 HD236.8755.271685AL163/SC/PL1016 CL 30016 HD137.3158.952054AL163/SC/PL2016 CL 30016 HD239.1258.952085	AL103/SC/PL20	10 CL 300	10 HD	2	30.25	47.14	952	
AL143/SC/PL1014 CL 30014 HD136.0655.271655AL143/SC/PL2014 CL 30014 HD236.8755.271685AL163/SC/PL1016 CL 30016 HD137.3158.952054AL163/SC/PL2016 CL 30016 HD239.1258.952085	AL123/SC/PL10	12 CL 300	12 HD	1	33.19	44.21	1076	
AL143/SC/PL1014 CL 30014 HD136.0655.271655AL143/SC/PL2014 CL 30014 HD236.8755.271685AL163/SC/PL1016 CL 30016 HD137.3158.952054AL163/SC/PL2016 CL 30016 HD239.1258.952085	AL123/SC/PL20	12 CL 300	12 HD	2	35	46.19	1105	
AL143/SC/PL20         14 CL 300         14 HD         2         36.87         55.27         1685           AL163/SC/PL10         16 CL 300         16 HD         1         37.31         58.95         2054           AL163/SC/PL20         16 CL 300         16 HD         2         39.12         58.95         2055							1655	
AL163/SC/PL10         16 CL 300         16 HD         1         37.31         58.95         2054           AL163/SC/PL20         16 CL 300         16 HD         2         39.12         58.95         2085	AL143/SC/PL20	14 CL 300	14 HD	2			1685	
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	AL163/SC/PL20	16 CL 300						

AL/SC Series, 3"-20"\* Size Specifications

Crispin

NOTE: Materials and prices are subject to change without notice. Metric and special class flange ratings are available.



# SC SERIES SURGE CHECK VALVES SPECIFICATION

SC Series, Sizes 3"-24", AWWA C512

#### GENERAL

SC Series Surge Check Valves shall be installed on the inlet of the (Air and Vacuum, Dual, Combination, Deep Well or Universal) valve to eliminate a surge of water from prematurely closing of damaging the Air Release Valve. when draining.

#### BODIES

The valve(s) shall be \_\_\_\_\_\_" ANSI Class (150, 300) flanged, ductile iron construction with bronze valve disc and seat ring and stainless steel spring.

The valve disc shall have drilled holes. These holes allow water to pass after the disc has been seated. The water slowly fills the Air & Vacuum to buoy its float and seal the valve. As the pressure equalizes, a stainless steel spring pushes the disc away from the seat to its original position.

Refer to Air & Vacuum and Pressure Air Release Valve specifications for valve detail.

#### **OPTION**

Where pressures are greater than 300 PSIG, the valve shall be ANSI Class \_\_\_\_\_\_flanged inlet connection, and shall have a (steel, stainless steel, or ductile iron) body, top and inlet flange with stainless steel spring and bronze and brass trim. brass trim.

#### ACCEPTABLE MANUFACTURERS

The valve(s) shall be Crispin Model \_\_\_\_\_\_ as manufactured by Crispin-Multiplex Manufacturing Co., Berwick, PA.



NOTE: Materials and prices are subject to change without notice. Metric and special class flange ratings are available.

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