



Double Flap Airlock[®] Valves Sizes & Capacity

The primary reason companies buy Plattco double flap valves is the airlock technology - essential to having a tight production system. Plattco double flap airlock valves are designed to create a seal that will eliminate emissions, tramp, and fugitive air into your systems, while continuing to convey dry material.

Every application comes with a unique set of needs. Factors like material characteristics, velocity, flow rates, temperatures, particle size/shape, particle hardness, and system design are all evaluated and optimized by our skilled engineering staff, allowing you to reap the benefits of customization of any of our (4) standard models.

Since we invented the double flap airlock valve in the 1960s, we've made our living not only in critical applications maintaining an airlock under high pressure, high temperatures, or any other demanding environment but by essentially replacing rotary valves in many industries.

Plattco provides a long-term solution to airlock wear by eliminating the rotary action of other valves. All of our bodies are cast in alloys specifically designed for the valve application. They are long-life units designed to provide many years of maintenance-free service.

Turn over for capacity chart >

CAPACITY CHARTS

METRIC

H-SERIES, R-SERIES VALVES

Capacities at 6 cycles/minute for valves below 406mm and 4 cycles/minute for valves 406mm and above

Valve Size (in/mm)	Std Height (mm)	Std Capacity (m ³ /hour)	Height of Spool Piece (mm)									
			50.8	76.2	101.6	152.4	203.2	254	304.8	457.2	609.6	
6" / 152.4	750.9	1.70	2.12	2.35	2.55	3.48	4.10	4.73	5.32	7.16	9.03	
8" / 203.2	814.4	2.55	3.28	3.68	4.19	5.32	6.28	7.24	8.18	11.04	13.90	
10" / 254.0	916.0	4.25	5.55	6.17	6.71	9.03	10.61	12.20	13.81	18.56	23.35	
12" / 304.8	1119.2	8.49	10.07	10.87	12.06	14.83	17.04	19.78	21.51	28.27	34.87	
16" / 406.4	1527.2	11.46	13.47	14.46	15.45	21.79	26.04	30.28	34.53	47.23	59.97	
18" / 457.2	1679.6	15.28	17.83	19.10	20.38	27.37	32.26	37.58	42.08	56.80	81.51	
24" / 609.6	2238.4	40.75	45.28	47.54	49.81	60.45	68.12	75.79	83.46	106.44	129.42	

S8-SERIES, PCV-SERIES VALVES

Capacities at 6 cycles/minute for valves below 406mm and 4 cycles/minute for valves 406mm and above

Valve Size (in/mm)	Std Height (mm)	Std Capacity (m ³ /hour)	Height of Spool Piece (mm)									
			50.8	76.2	101.6	152.4	203.2	254	304.8	457.2	609.6	
6" / 152.4	357.2	0.48	0.91	1.10	1.30	2.38	3.06	3.71	4.39	6.40	8.38	
8" / 203.2	408.0	0.96	1.67	2.04	2.41	3.74	4.70	5.63	6.59	9.42	12.28	
10" / 254.0	509.6	1.87	3.03	3.62	4.19	6.45	8.04	9.62	11.24	15.99	20.77	
12" / 304.8	611.2	2.94	4.53	5.32	6.51	9.28	11.49	13.73	15.93	22.64	29.32	
16" / 406.4	816.0	4.53	6.54	7.56	8.55	15.17	19.41	23.66	27.90	40.61	53.35	
18" / 457.2	917.6	7.08	9.62	10.90	12.17	19.16	24.06	28.95	33.88	48.56	63.31	

Plattco valves use a variety of alloys for materials of construction. The following temperature ratings apply; Cast Iron = 400 C, Ni-Resist 650 C, Stainless Steel 980 C.

IMPERIAL

H-SERIES, R SERIES VALVES

Capacities at 6 cycles/minute for valves below 16" and 4 cycles/minute for valves 16" and above

Valve Size	Std Height (inches)	Std Capacity (cf/hour)	Height of Spool Piece (in inches)								
			2"	3"	4"	6"	8"	10"	12"	18"	24"
6"	29 9/16"	60	75	83	90	123	145	167	188	253	319
8"	32 1/16"	90	116	130	148	188	222	256	289	390	491
10"	36 1/16"	150	196	218	237	319	375	431	488	656	825
12"	44 1/16"	300	356	384	426	524	602	699	760	999	1232
16"	60 1/8"	405	476	511	546	770	920	1070	1220	1669	2119
18"	66 1/8"	540	630	675	720	967	1140	1313	1487	2007	2527
24"	88 1/8"	1440	1600	1680	1760	2136	2407	2678	2949	3761	4573

S8-SERIES, PCV-SERIES VALVES

Capacities at 6 cycles/minute for valves below 16" and 4 cycles/minute for valves 16" and above

Valve Size	Std Height (inches)	Std Capacity (cf/hour)	Height of Spool Piece (in inches)								
			2"	3"	4"	6"	8"	10"	12"	18"	24"
6"	14 1/16"	17	32	39	46	84	108	131	155	226	296
8"	16 1/16"	34	59	72	85	132	166	199	233	333	434
10"	20 1/16"	66	107	128	148	228	284	340	397	565	734
12"	24 1/16"	104	160	188	230	328	406	485	563	800	1036
16"	32 1/8"	160	231	267	302	536	686	836	986	1435	1885
18"	36 1/8"	250	340	385	430	677	850	1023	1197	1716	2237

Plattco valves use a variety of alloys for materials of construction. The following temperature ratings apply; Cast Iron = 750 F, Ni-Resist 1200 F, Stainless Steel 1800 F.

