



No	Part	Materials
1	Body	PVC, Polypropylene
2	Disk	PVC, Polypropylene
3	Disk O Ring	EPDM, Viton, Teflon
4	Disk Spring	316 SS, Hasteloy
5	Body O Ring	EPDM, Viton, Teflon
6	Hinge Plug	PVC, Polypropylene
7	Eye Bolt	304 SS
8	Spacer	PVC, Polypropylene

Hasteloy springs are normally supplied on valves with Teflon O rings. 316 SS springs are supplied with EPDM or Viton O rings.
Valves up to 8" require spacers for full disk opening that are supplied as standard. Spacers are optional for 10" and 12" valves.

FOR DIMENSIONS SEE TABLE ON NEXT PAGE



WP Series WAFER CHECK VALVES

WORKING PRESSURE psi								DIMENSIONS in					C _v VALUE	
Size	PVC			PP				L ₁	L ₂	A	B	C	Sch 40	
	20°C 68°F	40°C 104°F	60°C 140°F	20°C 68°F	40°C 104°F	60°C 140°F	80°C 176°F						No Spacer	With Spacer
2"	145	130	65	145	130	50	20	0.8	1.0	1.3	4.1	1.8	58	74
2.5"	145	130	65	145	130	50	20	0.8	1.5	1.6	4.8	2.0	77	108
3"	145	130	65	145	130	50	20	0.8	1.6	2.0	5.4	2.9	105	203
4"	145	110	50	145	110	50	20	0.9	2.0	2.8	6.9	3.6	224	300
6"	145	110	45	145	110	50	20	1.0	2.0	4.4	8.7	5.8	718	949
8"	100	87	45	100	87	30	15	1.4	3.5	5.9	10.9	7.5	980	1175
10"	87	60	36	87	60	30	15	1.6	3.9	7.5	13.0	9.0	1880	2050
12"	87	60	36	87	60	30	15	1.8	5.9	8.5	15.7	10.2	2520	2940

Size	PRESSURE TO OPEN PSI			SEALING PRESSURE psi	MAX ALLOWABLE FLOW RATES USGPM	
	With spring	Without spring			Start up & shutdown	Running
	Horizontal	Horizontal	Vertical			
2"	0.3	0.1	0.2	1.0	50	60
2.5"	0.3	0.1	0.2	1.0	70	80
3"	0.3	0.1	0.2	1.0	110	125
4"	0.3	0.1	0.2	1.0	200	250
6"	0.3	0.1	0.2	1.0	320	400
8"	0.3	0.1	0.3	1.0	400	750
10"	0.3	0.1	0.3	1.0	600	1100
12"	0.3	0.1	0.3	1.0	750	1500