






Cast Iron Valves

Design		MSS Standard															
Type		Gate Valve				Globe Valve				Swing Check Valve							
Class		125/PN-16															
		 MSS SP-70/Non-rising ✓				 MSS SP-70/Rising				 MSS SP-85				 MSS SP-71			
Fig.		415E				421E				400A				435E			
Size		L	H	D ₁	W	L	H	D ₁	W	L	H	D ₁	W	L	H	W	
50(mm)	2"	178	319	180	18	178	357	180	15.6	203	318	200	23	203	153	14	
65	2½"	190	350	180	25	190	412	180	20.8	216	333	200	30	216	162	20	
80	3"	203	401	200	31	203	482	200	27.0	241	351	200	38	241	176	25	
100	4"	229	457	250	47	229	569	250	44.3	292	390	250	60	292	220	39	
125	5"	254	523	280	64	254	672	280	60.2	330	439	300	79	330	226	59	
150	6"	267	602	300	79	267	783	300	82.7	356	477	300	106	356	307	70	
200	8"	292	711	360	141	292	985	355	132.0	495	542	360	189	495	325	127	
250	10"	330	842	400	202	330	1196	400	199.0	622	624	450	302	622	384	185	
300	12"	356	941	450	291	356	1390	450	254.4	698	735	500	412	698	426	270	
350	14"																
400	16"																
Material	Body	Cast Iron				Cast Iron				Cast Iron				Cast Iron			
	Stem/Pin	Brass				Brass				Brass				Brass			
	Disc	Cast Iron				Cast Iron				Cast Iron				Cast Iron			
	Seat	Bronze				Bronze				Bronze				Bronze			

Design		TOYO Standard		
Type		Strainer		
Class		125/PN-16		
				
Fig.		381E		
Size		L	H	W
40(mm)	1½"			
50	2"	225	178	10
65	2½"	273	178	16
80	3"	292	195	23
100	4"	352	245	34
125	5"	391	300	52
150	6"	470	321	70
200	8"	543	398	110
250	10"	660	483	177
300	12"	762	560	295
350	14"			
400	16"			
Material	Body	Cast Iron		
	Screen	SUS304		

Pressure - Temperature Rating

Service Temperature		Size 2" to 12"
°C		Bar
-10 to 120		16.0
150		14.8
180		13.9
200		13.0
220		13.0
Hydrostatic	Shell	24.0
Test Pressure	Seat	17.6