

DUCTILE IRON

Gate Valve

Fig. No.		192			69			183D			270			271		
Material	Body	A536 65-45-12			FCD450-10			EN1563 GJL450-10			FCD-S					
	Trim	C83600 or F6			CAC406(BC6) or SUS403			EN1982 CC491K or 410S21			13Cr.					
Standard		ASME			JIS			JIS(JV)			JIS(JV)					
Working Pressure		●250PSI-WOG(-29~38°C) ●150PSI-Steam			●1.37MPa-Water(120°C) ●1.18MPa-WOG(220°C)			●2.16MPa-Water(120°C) ●1.96MPa-WOG(220°C)			●25bar(-10~120°C) ●1.37MPa-Water(120°C) ●0.98MPa-WOG(220°C)					
Appearance																
Dimension		L	H(Open)	W	L	H(Open)	W	L	H(Open)	W	L	H(Open)	W	L	H(Open)	W
1/2 inch	15mm										60	159	70	90	159	70
3/4	20										70	179	80	100	179	80
1	25										75	215	90	110	215	90
1 1/4	32										85	237	100	120	237	100
1 1/2	40										95	284	115	130	284	115
2	50	178	308	160	178	308	160	178	355	180	216	361	200	318	318	135
2 1/2	65	190	358	180	190	358	180	190	407	180	241	400	200			
3	80	203	404	180	203	404	180	203	473	224	283	447	224			
4	100	229	498	224	229	498	224	229	556	250	305	529	280			
5	125	254	588	224	254	588	224	254	665	280	381	633	280			
6	150	267	708	250	267	708	250	267	772	300	403	746	300			
8	200	292	918	280	292	918	280	292	965	315	419	936	355			
10	250	330	1120	300	330	1120	300	330	1172	400	457	1141	400			
12	300	356	1312	355	356	1312	355	356	1371	450	502	1334	500			
14	350				381	1539	450									
16	400				406	1793	500									
18	450				432	1995	560									
20	500				457	2194	600									
24	600				508	2670	710									
Remark		Bronze trim available only for water 120°C and below.														

DUCTILE IRON

Globe Valve

Fig. No.		193			71			272			273					
Material	Body	A536 65-45-12			FCD450-10			EN1563 GJL450-10			FCD-S					
	Trim	C83600 or F6			CAC406(BC6) or SUS403			EN1982 CC491K or 410S21			13Cr.					
Standard		ASME			JIS			JIS(JV)			JIS(JV)					
Working Pressure		●250PSI-WOG(-29~38°C) ●150PSI-Steam			●1.37MPa-Water(120°C) ●1.18MPa-WOG(220°C)			●2.16MPa-Water(120°C) ●1.96MPa-WOG(220°C)			●25bar(-10~120°C) ●1.37MPa-Water(120°C) ●0.98MPa-WOG(220°C)					
Appearance																
Dimension		L	H(Open)	W	L	H(Open)	W	L	H(Open)	W	L	H(Open)	W			
1/2 inch	15mm							65	112	70	85	112	70			
3/4	20							80	120	80	95	120	80			
1	25							90	135	90	110	135	90			
1 1/4	32							105	150	100	130	150	100			
1 1/2	40							120	168	115	150	168	115			
2	50	203	265	180	203	265	180	203	265	180	230	265	180			
2 1/2	65	216	289	200	216	289	200	216	289	200	290	289	200			
3	80	241	329	224	241	329	224	241	329	224	310	329	224			
4	100	292	367	280	292	367	280	292	367	280	350	367	280			
5	125	356	398	315	356	398	315	356	398	315	400	398	315			
6	150	406	457	355	406	457	355	406	457	355	480	457	355			
8	200	495	561	450	495	561	450	495	561	450	600	561	450			
10	250	622	665	500	622	665	500	622	665	500						
12	300	698	800	560	698	800	560	698	800	560						
Remark		Bronze trim available only for water 120°C and below.														

DUCTILE IRON

Swing Check Valve

Lift Check Valve

Fig. No.		194			70			274			275					
Material	Body	A536 65-45-12			FCD450-10			EN1563 GJL450-10			FCD-S					
	Trim	C83600 or F6			CAC406(BC6) or SUS403			EN1982 CC491K or 410S21			13Cr.					
Standard		ASME			JIS			JIS(JV)			BS(L.d.m.is SHOWA original) JIS(JV)					
Working Pressure		●250PSI-WOG(-29~38°C) ●150PSI-Steam			●1.37MPa-Water(120°C) ●1.18MPa-WOG(220°C)			●2.16MPa-Water(120°C) ●1.96MPa-WOG(220°C)			●25bar(-10~120°C) ●1.37MPa-Water(120°C) ●0.98MPa-WOG(220°C)					
Appearance																
Dimension		L	H		L	H		L	H		L	H				
1/2 inch	15mm										65	40	85			
3/4	20										80	45	95			
1	25										90	52	110			
1 1/4	32										105	58	130			
1 1/2	40										120	68	150			
2	50	203	110	230	110	230	115	200	110	140	140	76	180			
2 1/2	65	216	120	216	120	216	130	220	120							
3	80	241	135	241	135	241	155	240	155							
4	100	292	155	292	155	292	180	290	178							
5	125	330	180	330	180	330	215	360	205							
6	150	356	200	356	200	356	240	410	241							
8	200	495	230	495	230	495	295	500	290							
10	250	622	305	622	305	622	335	600	355							
12	300	698	355	698	355	698	380	700	375							
Remark		Bronze trim available only for water 120°C and below.														

DUCTILE IRON

Dual Plate Check Valve

Fig. No.		114W			116WL		
Material	Body	A536 65-45-12			FCD450-10		
	Trim	Rubber(NBR)/C83600			Rubber(NBR)/CAC406		
Standard		ASME			JIS		
Working Pressure		●250PSI-WOG(below80°C)			●1.37MPa(below80°C)		
Appearance							
Dimension		L		L	L		L
2 inch	50mm	54		54	54		54
2 1/2	65	54		54	60		54
3	80	57		57	67		57
4	100	64		64	67		64
5	125	70		70	83		70
6	150	76		76	95		76
8	200	95		95	127		95
10	250	108		108	140		108
12	300	143		143	181		143

DUCTILE IRON

Y-Strainer

Fig. No.		195			196			
Material	Body	A536 65-45-12			FCD450-10			
	Screen	A182 F304			SUS304			
Standard		ASME			JIS			
Working Pressure		●250PSI-WOG(-29~38°C) ●150PSI-Steam			●1.37MPa-Water(120°C) ●1.18MPa-WOG(220°C)			
Appearance								
Dimension		L	H	L	L	H	L	
2 inch	50mm	220	135	220	220	135	220	
2 1/2	65	270	179	270	270	179	270	
3	80	290	189	290	290	189	290	
4	100	350	238	350	350	238	350	
5	125	390	270	390	390	270	390	
6	150	440	321	440	440	321	440	
8	200	540	384	540	540	384	540	
10	250	680	472	680	680	472	680	
12	300	840	547	840	840	547	840	
Remark		Punching dimensions of screen same as cast iron Y-strainer.(See Page 5)						