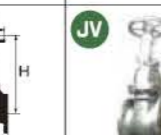
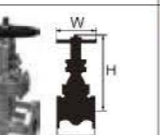





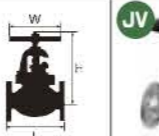

# DUCTILE IRON

## Gate Valve (Bolted Bonnet)

		150Lb.Flanged			10K Flanged			16K Flanged			20K Flanged			PN25 Flanged							
Fig No.	192									69			301			183D					
Material	Body	A536 65-45-12									FCD450-10						EN1563 G.JL450-10				
	Trim	C83600 or F6									CAC406 or SUS403						SUS403			EN1982 CC491K or 410S21	
Standard	ASME			JIS			JIS(JV)			ASME			JIS			EN1171(BS5150)					
Working Pressure	●250PSI-WOG(-29~38°C) ●150PSI-Steam			●1.4MPa-Water(120°C) ●1.2MPa-WOG(220°C)			●2.2MPa-Water(120°C) ●2.0MPa-WOG(220°C) ●1.6MPa-GAS(220°C)			●2.8MPa-Water(120°C) ●2.5MPa-WOG(220°C) ●2.4MPa-GAS(220°C) ●2.3MPa-WOG(300°C) ●2.0MPa-WOG(350°C)			●25bar(-10~120°C)								
Appearance																					
Dimension	L	H(Open)	W	L	H(Open)	W	L	H(Open)	W	L	H(Open)	W	L	H(Open)	W						
2 inch 50mm	178	308	160	178	308	160	178	355	180	216	395	200	216	361	200						
2 1/2	65	190	358	180	190	358	180	190	407	180	241	435	200	241	400						
3	80	203	404	180	203	404	180	203	473	224	283	500	224	283	447						
4	100	229	498	224	229	498	224	229	556	250	305	595	280	305	529						
5	125	254	588	224	254	588	224	254	665	280	381	705	300	381	633						
6	150	267	708	250	267	708	250	267	772	300	403	835	355	403	746						
8	200	292	918	280	292	918	280	292	965	315	419	1045	450	419	936						
10	250	330	1120	300	330	1120	300	330	1172	400	457	1240	560	457	1141						
12	300	356	1312	355	356	1312	355	356	1371	450	502	1430	600	502	1334						
14	350	381	1539	450	381	1539	450														
16	400	406	1793	500	406	1793	500														
18	450	432	1995	560	432	1995	560														
20	500	457	2194	600	457	2194	600														
24	600	508	2670	710	508	2670	710														
Remark	Bronze trim available only for water 120°C and below.																				




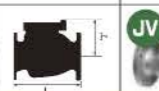


# DUCTILE IRON

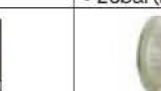
## Globe Valve (Bolted Bonnet)

		150Lb.Flanged			10K Flanged			16K Flanged			20K Flanged			PN25 Flanged							
Fig No.	193									71			302			71					
Material	Body	A536 65-45-12									FCD450-10						EN1563 G.JL450-10				
	Trim	C83600 or F6									CAC406 or SUS403						STL			EN1982 CC491K or 410S21	
Standard	ASME			JIS			JIS(JV)			ASME			JIS			EN13789(BS5152)					
Working Pressure	●250PSI-WOG(-29~38°C) ●150PSI-Steam			●1.4MPa-Water(120°C) ●1.2MPa-WOG(220°C)			●2.2MPa-Water(120°C) ●2.0MPa-WOG(220°C) ●1.6MPa-GAS(220°C)			●2.8MPa-Water(120°C) ●2.5MPa-WOG(220°C) ●2.4MPa-GAS(220°C) ●2.3MPa-WOG(300°C) ●2.0MPa-WOG(350°C)			●25bar(-10~120°C)								
Appearance																					
Dimension	L	H(Open)	W	L	H(Open)	W	L	H(Open)	W	L	H(Open)	W	L	H(Open)	W						
2 inch 50mm	203	265	180	203	265	180	203	265	180	267	330	224	230	265	180						
2 1/2	65	216	289	200	216	289	200	216	289	200	292	380	250	290	289						
3	80	241	329	224	241	329	224	241	329	224	318	415	300	310	329						
4	100	292	367	280	292	367	280	292	367	280	356	465	315	350	367						
5	125	356	398	315	356	398	315	356	398	315	400	545	355	400	398						
6	150	406	457	355	406	457	355	406	457	355	444	620	450	480	457						
8	200	495	561	450	495	561	450	495	561	450	559	725	500	600	561						
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


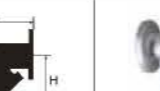


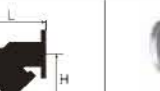
## Check Valve

		150Lb.Flanged			10K Flanged			16K Flanged			20K Flanged			PN25 Flanged								
Fig No.	194									70			303			70						
Material	Body	A536 65-45-12									FCD450-10						FCD-S			EN1563 G.JL450-10		
	Trim	C83600 or F6									CAC406 or SUS403						SUS403			EN1982 CC491K or 410S21		
Standard	ASME			JIS			JIS(JV)			ASME			JIS			BS(L-dm. is SHOWA original)						
Working Pressure	●250PSI-WOG(-29~38°C) ●150PSI-Steam			●1.4MPa-Water(120°C) ●1.2MPa-WOG(220°C)			●2.2MPa-Water(120°C) ●2.0MPa-WOG(220°C) ●1.6MPa-GAS(220°C)			●2.8MPa-Water(120°C) ●2.5MPa-WOG(220°C) ●2.4MPa-GAS(220°C) ●2.3MPa-WOG(300°C) ●2.0MPa-WOG(350°C)			●25bar(-10~120°C)									
Appearance																						
Dimension	L	H	L	H	L	H	L	H	L	H	L	H	L	H								
2 inch 50mm	203	110	230	110	230	115	267	140	200	110												
2 1/2	65	216	120	216	120	216	130	292	170	220	120											
3	80	241	135	241	135	241	155	318	180	240	155											
4	100	292	155	292	155	292	180	356	220	290	178											
5	125	330	180	330	180	330	215	400	250	360	205											
6	150	356	200	356	200	356	240	444	275	410	241											
8	200	495	230	495	230	495	295	533	314	500	290											
10	250	622	305	622	305	622	335	622	362	600	355											
12	300	698	355	698	355	698	380	711	418	700	375											
Remark	Bronze trim available only for water 120°C and below.																					

		150Lb.Wafer			10K Wafer			16K Wafer			PN25 Wafer								
Fig No.	114W									116WL									
Material	Body	A536 65-45-12									FCD450-10						EN1563 G.JL450-10		
	Trim	Rubber(NBR)/C83600									Rubber(NBR)/CAC406						Rubber/EN1982 CC491K		
Standard	ASME			JIS			ASME			JIS			EN12334						
Working Pressure	●250PSI-WOG(below80°C)			●1.4MPa(below80°C)			●2.2MPa(below80°C)			●25bar(below80°C)									
Appearance																			
Dimension	L	H	L	H	L	H	L	H	L	H	L	H							
2 inch 50mm	54	54	54	54	54	54	54	54	54	54	54	54							
2 1/2	65	54	54	54	54	54	54	54	54	54	54	54							
3	80	57	57	57	57	57	57	57	57	57	57	57							
4	100	64	64	64	64	64	64	64	64	64	64	64							
5	125	70	70	70	70	70	70	70	70	70	70	70							
6	150	76	76	76	76	76	76	76	76	76	76	76							
8	200	95	95	95	95	95	95	95	95	95	95	95							
10	250	108	108	108	108	108	108	108	108	108	108	108							
12	300	143	143	143	143	143	143	143	143	143	143	143							

# DUCTILE IRON

## Y-Strainer

		150Lb.Flanged			10K Flanged			16K Flanged			PN25 Flanged								
Fig No.	195									196									
Material	Body	A536 65-45-12									FCD450-10						EN1563 G.JL450-10		
	Screen	A182 F304									SUS304						EN10088-1,1.4301		
Standard	ASME			JIS			ASME			JIS			BS						
Working Pressure	●250PSI-WOG(-29~38°C) ●150PSI-Steam			●1.4MPa-Water(120°C) ●1.2MPa-WOG(220°C)			●2.2MPa-Water(120°C) ●2.0MPa-WOG(220°C) ●1.6MPa-GAS(220°C)			●25bar(-10~120°C)									
Appearance																			
Dimension	L	H	L	H	L	H	L	H	L	H	L	H							
2 inch 50mm	220	135	220	135	220	135	220	135	220	135	220	135							
2 1/2	65	270	179	270	179	270	179	270	179	270	179	270							
3	80	290	189	290	189	290	189	290	189	290	189	290							
4	100	350	238	350	238	350	238	350	238	350	238	350							
5	125	390	270	390	270	390	270	390	270	390	270	390							
6	150	440	321	440	321	440	321	440	321	440	321	440							
8	200	540	384	540	384	540	384	540	384	540	384	540							
10	250	680	472	680	472	680	472	680	472	680	472	680							
12	300	840	547	840	547	840	547	840	547	840	547	840							
Remark	Punching dimensions of screen same as cast iron Y-strainer.(See Page 5)																		

# DUCTILE IRON

# Gate Valve (Screw Bonnet)

		PT.Screwed			10K Flanged		
Fig No.		270			271		
Material	Body	FCD-S					
	Trim	13Cr.					
Standard		JIS(JV)					
Working Pressure		<ul style="list-style-type: none"> <li>•1.4MPa-Water(120°C)</li> <li>•1.0MPa-WOG(220°C)</li> </ul>					
Appearance							
Dimension		L	H(Open)	W	L	H(Open)	W
1/2 inch	15mm	60	165	90	90	165	90
3/4	20	70	180	90	100	180	90
1	25	75	215	90	110	215	90
1 1/4	32	85	242	100	120	242	100
1 1/2	40	95	280	135	130	280	135
2	50	105	320	135	140	320	135

# DUCTILE IRON

# Globe Valve (Screw Bonnet)

		PT.Screwed			10K Flanged		
Fig No.		272			273		
Material	Body	FCD-S					
	Trim	13Cr.					
Standard		JIS(JV)					
Working Pressure		<ul style="list-style-type: none"> <li>•1.4MPa-Water(120°C)</li> <li>•1.0MPa-WOG(220°C)</li> </ul>					
Appearance							
Dimension		L	H(Open)	W	L	H(Open)	W
1/2 inch	15mm	65	116	90	85	116	90
3/4	20	80	130	90	95	130	90
1	25	90	150	90	110	150	90
1 1/4	32	105	165	100	130	165	100
1 1/2	40	120	187	135	150	187	135
2	50	140	206	135	180	206	135

# DUCTILE IRON

# Lift Check Valve (Screw Bonnet)

		PT.Screwed		10K Flanged	
Fig No.		274		275	
Material	Body	FCD-S			
	Trim	13Cr.			
Standard		JIS(JV)			
Working Pressure		<ul style="list-style-type: none"> <li>•1.4MPa-Water(120°C)</li> <li>•1.0MPa-WOG(220°C)</li> </ul>			
Appearance					
Dimension		L	H	L	H
1/2 inch	15mm	65	40	85	40
3/4	20	80	45	95	45
1	25	90	52	110	52
1 1/4	32	105	58	130	58
1 1/2	40	120	68	150	68
2	50	140	76	180	76

# DUCTILE IRON

# Globe Valve (Union Bonnet)

		PT.Screwed			10K Flanged		
Fig No.		276			277		
Material	Body	FCD-S					
	Trim	13Cr.					
Standard		JIS(JV)					
Working Pressure		<ul style="list-style-type: none"> <li>•1.4MPa-Water(120°C)</li> <li>•1.2MPa-WOG(220°C)</li> <li>•1.0MPa-WOG(300°C)</li> </ul>					
Appearance							
Dimension		L	H(Open)	W	L	H(Open)	W
1/2 inch	15mm	70	112	90	108	112	90
3/4	20	80	123	90	117	123	90
1	25	90	136	90	127	136	90
1 1/4	32	110	153	100	140	153	100
1 1/2	40	120	166	100	165	166	100
2	50	140	196	135	203	196	135

# DUCTILE IRON

# Lift Check Valve (Union Bonnet)

		PT.Screwed		10K Flanged	
Fig No.		278		279	
Material	Body	FCD-S			
	Trim	13Cr.			
Standard		JIS(JV)			
Working Pressure		<ul style="list-style-type: none"> <li>•1.4MPa-Water(120°C)</li> <li>•1.2MPa-WOG(220°C)</li> <li>•1.0MPa-WOG(300°C)</li> </ul>			
Appearance					
Dimension		L	H(Open)	L	H
1/2 inch	15mm	70	48	108	48
3/4	20	80	53	117	53
1	25	90	60	127	60
1 1/4	32	110	67	140	67
1 1/2	40	120	76	165	76
2	50	140	89	203	89