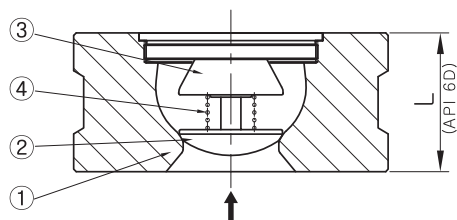


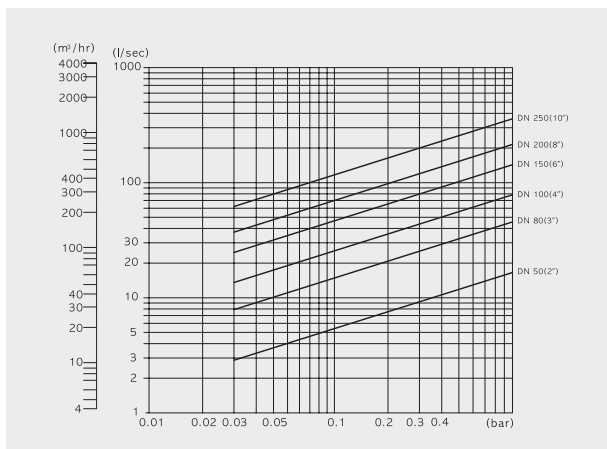
NON-SLAM NOZZLE CHECK (Wafer Type)

CNZ TYPE (Wafer)

< 1"(25A)~10"(250A) >

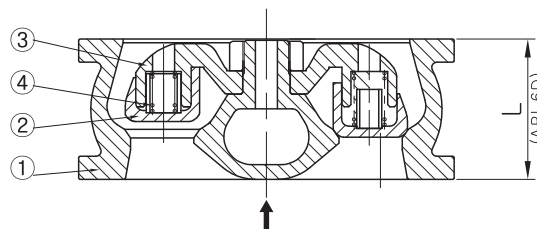


Pressure drop Chart

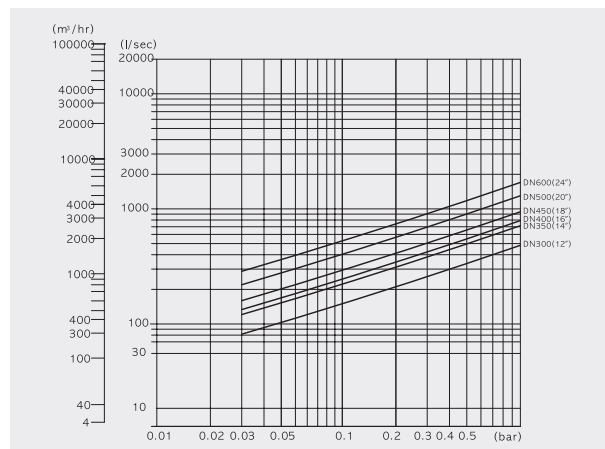


PCN TYPE (Wafer)

< 12"(300A)~60"(1500A) >



Pressure drop Chart



Specification

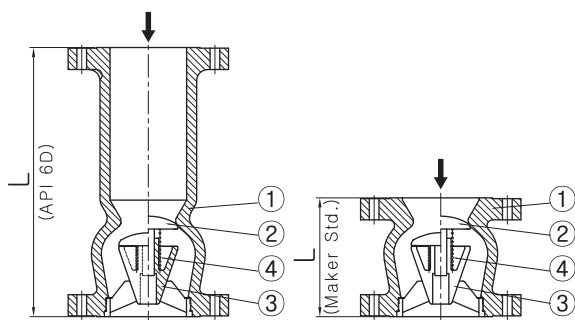
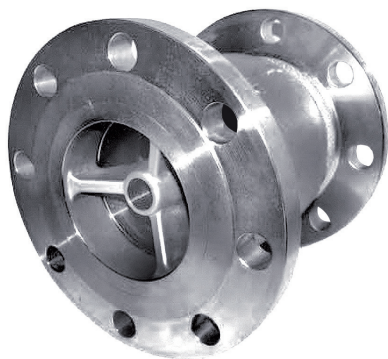
Size		1"(25A) ~ 60"(1500A)
Service		Oil & GAS, Water, Air, Steam, Sea Water, etc.
Rating		Class 150~2500
End connections		Wafer, Lug, Double Flange
Materials	①Body	Carbon Steel, Stainless Steel, Duplex, NI_AL_Bronze, etc.
	②Disc	Stainless Steel, Duplex, NI_AL_Bronze, etc.
	③Guide	Stainless Steel, Duplex, NI_AL_Bronze, etc.
	④Spring	Stainless Steel, Inconel, etc.
	Seat	Rubber, PTFE, Stainless Steel, Stellite Overlay.



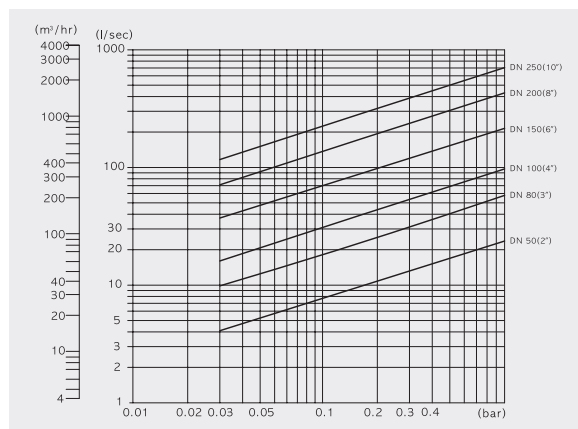
NON-SLAM NOZZLE CHECK VALVE

SNF Type (Single Seat Nozzle)

〈 1"(25A)~10"(250A) 〉

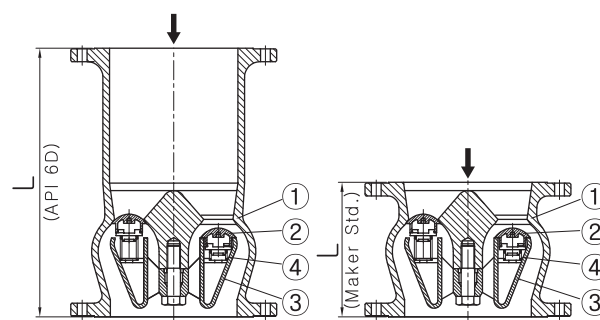


■ Pressure drop Chart

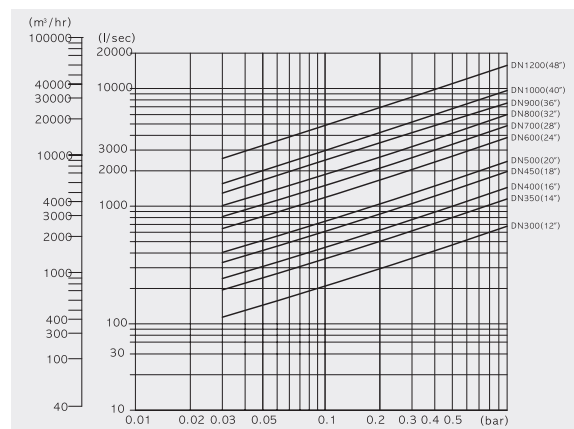


DNF Type (Double seat Nozzle)

〈 12"(300A)~48"(1200A) 〉



■ Pressure drop Chart



■ Specification

Size		1"(25A) ~ 48"(1200A)
Service		OIL & GAS, WATER, AIR, STEAM, SEA WATER, etc.
Rating		Class 150~2500
End connections		Double Flange, Buttwelding, Hub
Materials	①Body	Cast Iron, Stainless Steel, Duplex, NI_AL_Bronze, etc.
	②Disc	Stainless Steel, Duplex, NI_AL_Bronze, etc.
	③Guide	Stainless Steel, Duplex, NI_AL_Bronze, etc.
	④Spring	Stainless Steel, Inconel, etc.
	Seat	Rubber, PTFE, Stainless Steel Stellite Overlay.

WNF Type

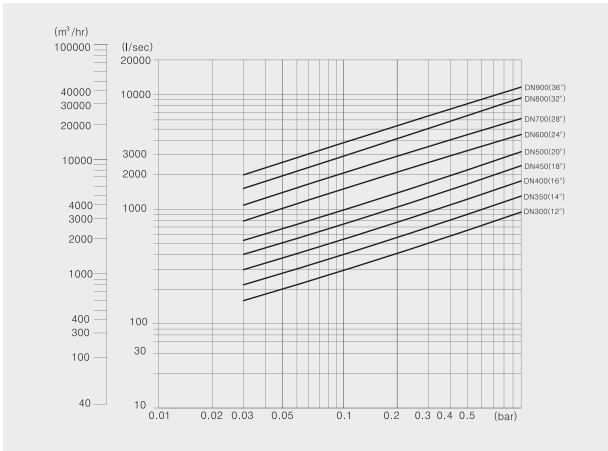
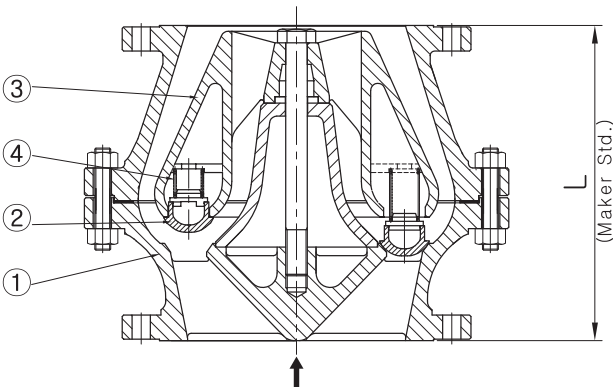


Specification

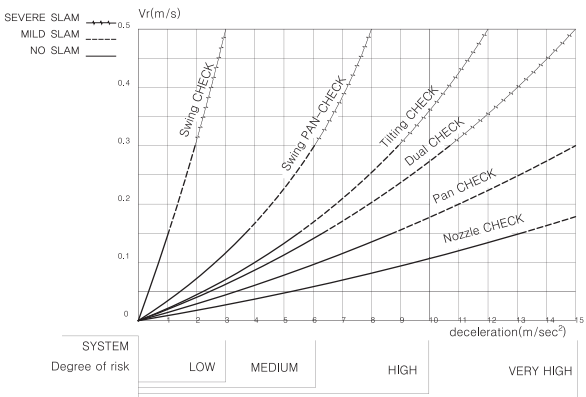
Size		12"(300A) ~ 36"(900A)
Service		OIL & GAS, WATER,AIR,STEAM,SEA WATER..etc.
Rating		Class 150~300
End connections		Double Flange
Materials	①Body	Cast Iron, Stainless Steel, Duplex, NI_AL_Bronze..etc.
	②Disc	Stainless Steel, Duplex, NI_AL_Bronze..etc.
	③Guide	Stainless Steel, Duplex, NI_AL_Bronze..etc.
	④Spring	Stainless Steel, Inconel..etc.
	Seat	Rubber, PTFE, Stainless Steel Stellite Overlay.

NON-SLAM
NOZZLE CHECK VALVE

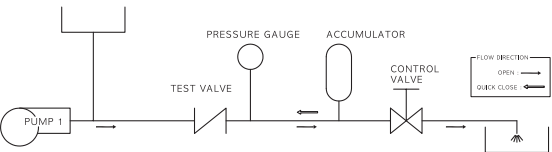
Pressure drop Chart



Check Valves Comparative Table

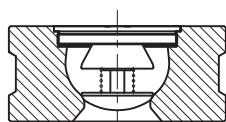


Circuit Diagram

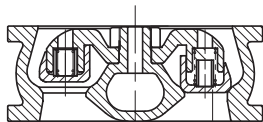




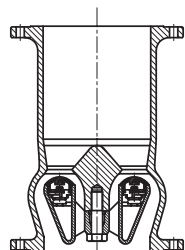
NON-SLAM NOZZLE CHECK VALVE



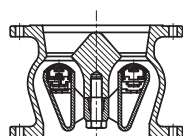
CNZ



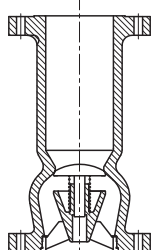
PCN



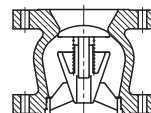
DNF (API 6D)



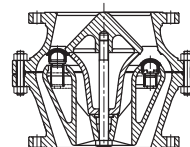
DNF (Maker Std)



SNF (API 6D)



SNF (Maker Std)



WNF (Special)

Type	Description
CNZ	Single seat Nozzle(Wafer)
PCN	Pan Nozzle (Wafer)
DNF	Double seat Nozzle(Flanged)
SNF	Single seat Nozzle(Flanged)
WNF	Woosung Nozzle(Flanged)

NPS	DN	Type	Face to Face Standard	Class 150		Class 300		Class 600		Class 900		Class 1500		Class 2500	
				L(mm)	W(kg)	L(mm)	W(kg)	L(mm)	W(kg)	L(mm)	W(kg)	L(mm)	W(kg)	L(mm)	W(kg)
1	25	SNF	API 6D	—	—	—	—	—	—	—	—	—	—	—	—
			Maker Std.	100	4	100	4	100	5	150	9	150	16	160	28
1 1/4	32	SNF	API 6D	—	—	—	—	—	—	—	—	—	—	—	—
			Maker Std.	100	5	100	5	100	9	150	11	150	20	180	35
1 1/2	40	SNF	API 6D	—	—	—	—	—	—	—	—	—	—	—	—
			Maker Std.	120	7	120	7	120	11	170	13	170	23	210	40
2	50	SNF	API 6D	203	9	267	13	292	15	368	37	368	37	451	54
			Maker Std.	120	7	120	9	120	10	170	26	170	26	210	37
2 1/2	65	SNF	API 6D	216	15	292	19	330	23	419	52	419	67	508	81
			Maker Std.	120	10	150	10	150	17	190	25	190	35	240	65
3	80	SNF	API 6D	241	16	318	26	356	30	381	43	470	65	578	119
			Maker Std.	120	13	150	18	150	20	190	32	220	45	270	83
4	100	SNF	API 6D	292	28	356	41	432	63	457	73	546	107	673	178
			Maker Std.	140	20	170	31	170	40	210	53	240	69	310	131
5	125	SNF	API 6D	—	—	—	—	—	—	—	—	—	—	—	—
			Maker Std.	210	31	210	31	210	55	230	85	310	140	370	225
6	150	SNF	API 6D	356	44	445	80	559	137	610	171	705	231	914	487
			Maker Std.	210	38	210	55	210	82	230	107	310	160	430	324
8	200	SNF	API 6D	495	90	533	120	660	213	737	307	832	390	1022	743
			Maker Std.	280	71	280	91	280	135	280	189	350	269	460	480
10	250	SNF	API 6D	622	151	622	184	787	380	838	461	991	710	1270	1442
			Maker Std.	350	120	350	152	350	252	350	303	400	461	580	952
12	300	DNF	API 6D	699	341	711	400	838	623	965	966	1130	1638	1422	2975
			Maker Std.	350	175	350	235	375	310	340	390	440	650	580	1286
14	350	WNF	Special	438	305	438	382	—	—	—	—	—	—	—	—
			PCN	API 6D (wafer)	181	95	181	110	229	180	292	385	305	391	—
16	400	DNF	API 6D	787	480	838	601	889	819	1029	1211	1257	2114	—	—
			Maker Std.	405	245	405	330	440	410	400	510	490	1040	—	—
18	450	WNF	Special	475	432	475	581	—	—	—	—	—	—	—	—
			PCN	API 6D (wafer)	184	110	222	168	273	230	356	467	356	580	—
20	500	DNF	API 6D	864	714	864	805	991	1120	1130	1407	1384	1417	—	—
			Maker Std.	455	345	455	435	500	610	470	760	530	1280	—	—
		WNF	Special	545	691	545	786	—	—	—	—	—	—	—	—
			PCN	API 6D (wafer)	191	156	232	231	305	372	384	582	384	662	—
		DNF	API 6D	978	868	978	1036	1092	1442	1219	1960	1537	3955	—	—
			Maker Std.	520	425	520	580	565	790	530	960	580	1600	—	—
		WNF	Special	610	825	610	1010	—	—	—	—	—	—	—	—
			PCN	API 6D (wafer)	203	183	264	325	362	487	451	810	468	1265	—
		DNF	API 6D	978	970	1016	1217	1194	1840	1321	2422	1664	5124	—	—
			Maker Std.	570	560	570	760	625	1170	595	1260	655	2100	—	—
		WNF	Special	850	895	850	1165	—	—	—	—	—	—	—	—
			PCN	API 6D (wafer)	219	228	292	392	368	375	451	892	533	1587	—

NPS	DN	Type	Face to Face Standard	Class 150		Class 300		Class 600		Class 900		Class 1500		Class 2500	
				L(mm)	W(kg)	L(mm)	W(kg)	L(mm)	W(kg)	L(mm)	W(kg)	L(mm)	W(kg)	L(mm)	W(kg)
24	600	DNF	API 6D	1295	1691	1346	2177	1397	2513	1549	3661	1943	8183		
			Maker Std.	685	890	685	1240	745	1630	665	1980	750	3300		
		WNF	Special	900	1600	900	2095	—	—	—	—	—	—		
		PCN	API 6D (wafer)	222	336	318	635	438	998	495	1626	559	3120		
26	650	DNF	API 6D	—	—	—	—	—	—	—	—				
			Maker Std.	—	—	—	—	—	—	—	—				
		WNF	Special	—	—	—	—	—	—	—	—				
		PCN	API 6D (wafer)	356	598	356	732	457	951	533	1360				
28	700	DNF	API 6D	1448	1996	1499	2860	1600	4212						
			Maker Std.	800	1330	800	1800	870	2450	860	2890				
		WNF	Special	945		945		—	—	—	—				
		PCN	API 6D (wafer)	381	615	381	782	483	945	572	1380				
30	750	DNF	API 6D	1524	2353	1594	3523	1651	4784						
			Maker Std.	855	1590	855	2150	1130	930	1232	925				
		WNF	Special	—	—	—	—	—	—	—	—				
		PCN	API 6D (wafer)	305	697	368	943	505	1720	635	2450				
32	800	DNF	API 6D	—	—	—	—	—	—	—	—				
			Maker Std.	1060	910	1149	910	1194	990	1314	925				
		WNF	Special	1010		1010		—	—	—	—				
		PCN	API 6D (wafer)	356		406		533		660					
34	850	DNF	API 6D	—	—	—	—	—	—	—	—				
			Maker Std.	—	—	—	—	—	—	—	—				
		WNF	Special	—	—	—	—	—	—	—	—				
		PCN	API 6D (wafer)	—	—	—	—	—	—	—	—				
36	900	DNF	API 6D	1956	3556	2083	5727	2083	7261						
			Maker Std.	1030	2300	1030	3100	1120	4100	1050	5900				
		WNF	Special	1050		1050		—	—	—	—				
		PCN	API 6D (wafer)	368		483		635		718					
38	950	DNF	API 6D	—	—	—	—	—	—	—	—				
			Maker Std.	—	—	—	—	—	—	—	—				
		WNF	Special	—	—	—	—	—	—	—	—				
		PCN	API 6D (wafer)	—	—	—	—	—	—	—	—				
40	1000	DNF	API 6D	—	—	—	—	—	—	—	—				
			Maker Std.	1135	3400	1135	3900	1240	5400	1185					
		WNF	Special	1185		1185		—	—	—	—				
		PCN	API 6D (wafer)	432		546		660		762					
42	1050	DNF	API 6D	—	—	—	—	—	—	—	—				
			Maker Std.	1195	3600	1195	4100	1300	5800	1250					
		WNF	Special	—	—	—	—	—	—	—	—				
		PCN	API 6D (wafer)	432		568		702		787					
44	1100	DNF	API 6D	—	—	—	—	—	—	—	—				
			Maker Std.	—	—	—	—	—	—	—	—				
		WNF	Special	—	—	—	—	—	—	—	—				
		PCN	API 6D (wafer)	—	—	—	—	—	—	—	—				
46	1150	DNF	API 6D	—	—	—	—	—	—	—	—				
			Maker Std.	—	—	—	—	—	—	—	—				
		WNF	Special	—	—	—	—	—	—	—	—				
		PCN	API 6D (wafer)	—	—	—	—	—	—	—	—				
48	1200	DNF	API 6D	—	—	—	—	—	—	—	—				
			Maker Std.	1365	5200	1365	6000	1485	8800						
		WNF	Special	—	—	—	—	—	—	—	—				
		PCN	API 6D (wafer)	524		629		787							
50	1250	DNF	API 6D	—	—	—	—	—	—	—	—				
			Maker Std.	—	—	—	—	—	—	—	—				
		WNF	Special	—	—	—	—	—	—	—	—				
		PCN	API 6D (wafer)	—	—	—	—	—	—	—	—				
52	1300	DNF	API 6D	—	—	—	—	—	—	—	—				
			Maker Std.	—	—	—	—	—	—	—	—				
		WNF	Special	—	—	—	—	—	—	—	—				
		PCN	API 6D (wafer)	—	—	—	—	—	—	—	—				
54	1350	DNF	API 6D	—	—	—	—	—	—	—	—				
			Maker Std.	—	—	—	—	—	—	—	—				
		WNF	Special	—	—	—	—	—	—	—	—				
		PCN	API 6D (wafer)	591		718									
56	1400	DNF	API 6D	—	—	—	—	—	—	—	—				
			Maker Std.	—	—	—	—	—	—	—	—				
		WNF	Special	—	—	—	—	—	—	—	—				
		PCN	API 6D (wafer)	—	—	—	—	—	—	—	—				
58	1450	DNF	API 6D	—	—	—	—	—	—	—	—				
			Maker Std.	—	—	—	—	—	—	—	—				
		WNF	Special	—	—	—	—	—	—	—	—				
		PCN	API 6D (wafer)	—	—	—	—	—	—	—	—				
60	1500	DNF	API 6D	—	—	—	—	—	—	—	—				
			Maker Std.	—	—	—	—	—	—	—	—				
		WNF	Special	—	—	—	—	—	—	—	—				
		PCN	API 6D (wafer)	660		838									