

Butterfly Valve

Max working pressure

DN50-DN300	16Bar
Flange PN10 PN16 150LB	
DN350-DN1200	10Bar
Flange PN10 PN16 150LB	

Design

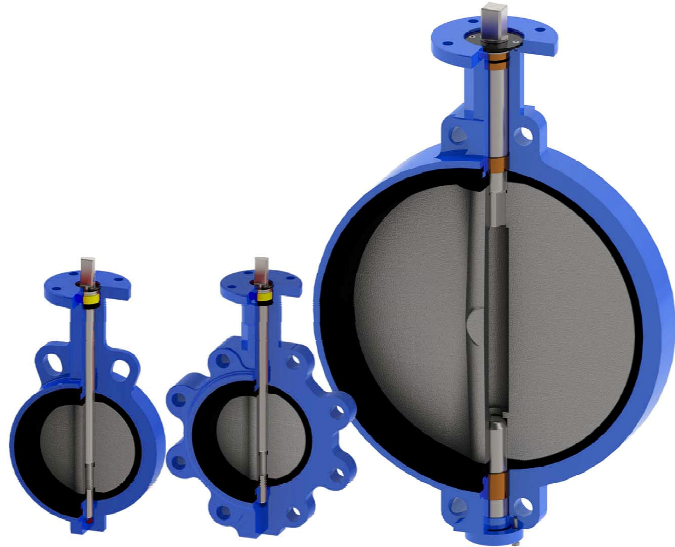
EN593 API 609 BS5155 EN1092 ISO5211

Face to Face

DIN558-1 API609 DIN3202 ISO5752 BS5155

Testing

EN 12266-1 ISO5208 API598



Body

Material	Referencesstandard	Coating
Cast iron	GG20 GG25 A126	Epoxy Ral 5005
Ductile iron	GGG40 GGG45 GGG50 A536 A395	Epoxy Ral 5005
Carbon steel	WCB WCC LCC LCB	Epoxy Ral 7011
Stainless steel	CF8 CF8M CF3 CF3M SAF2507 SAF2205	
Aluminuim-bronze	C9540 C95500 C95800	

Disc

Material	References	Standard coating
Ductile iron	GGG40 GGG45 GGG50 A536	Nickel Brass-Nikle
Carbon steel	WCB WCC LCC LCB	Nickel Brass-Nikle
Stainless steel	CF8 CF8M CF3 CF3M SAF2507 SAF2205	
Aluminuim-bronze	C95400 C95500 C95800	

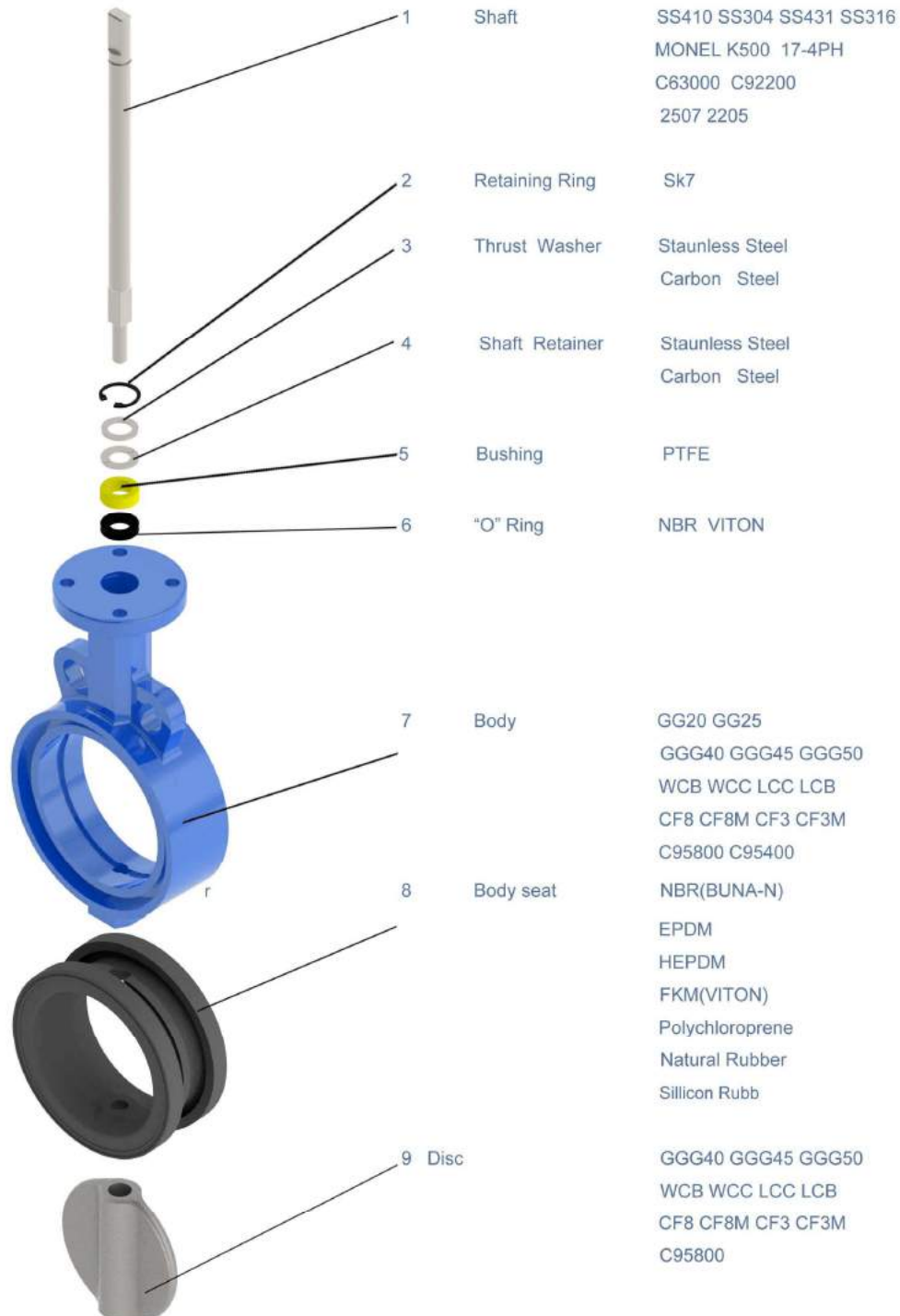
Body Rubber Seat

References	Desigation	Trade Name	Working temp	Applications
NBR	Nitrile Rubber	BUNA-N	-25/+100	Oils ,Hydrocarbons ,Gas, Air ,Water
EPDM	Copolymer	EPDM	-35/+130	Water ,Sea Water,Steam,Diluted Acids
FKM	Fluoroelastomer	VITON	-20/+200	Oils, Hydrocarbons, Acids
CR	Polychloroprene	NEOPRENE	-20/+100	Alkail, Bases,Water
NR	Natural Rubber	NR	-40/+80	Glycols,Abrasive media
MVQ	Sillicon Rubber	SR	-60/+190	Water,food,Drinks
CSM	Chlorosulfonate	HYPALON	-20/+125	Acids,mineral bases,Alcohols,Hydrocarbons

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MVQ	Sillicon Rubber	SR	-60/+190	Water,food,Drinks

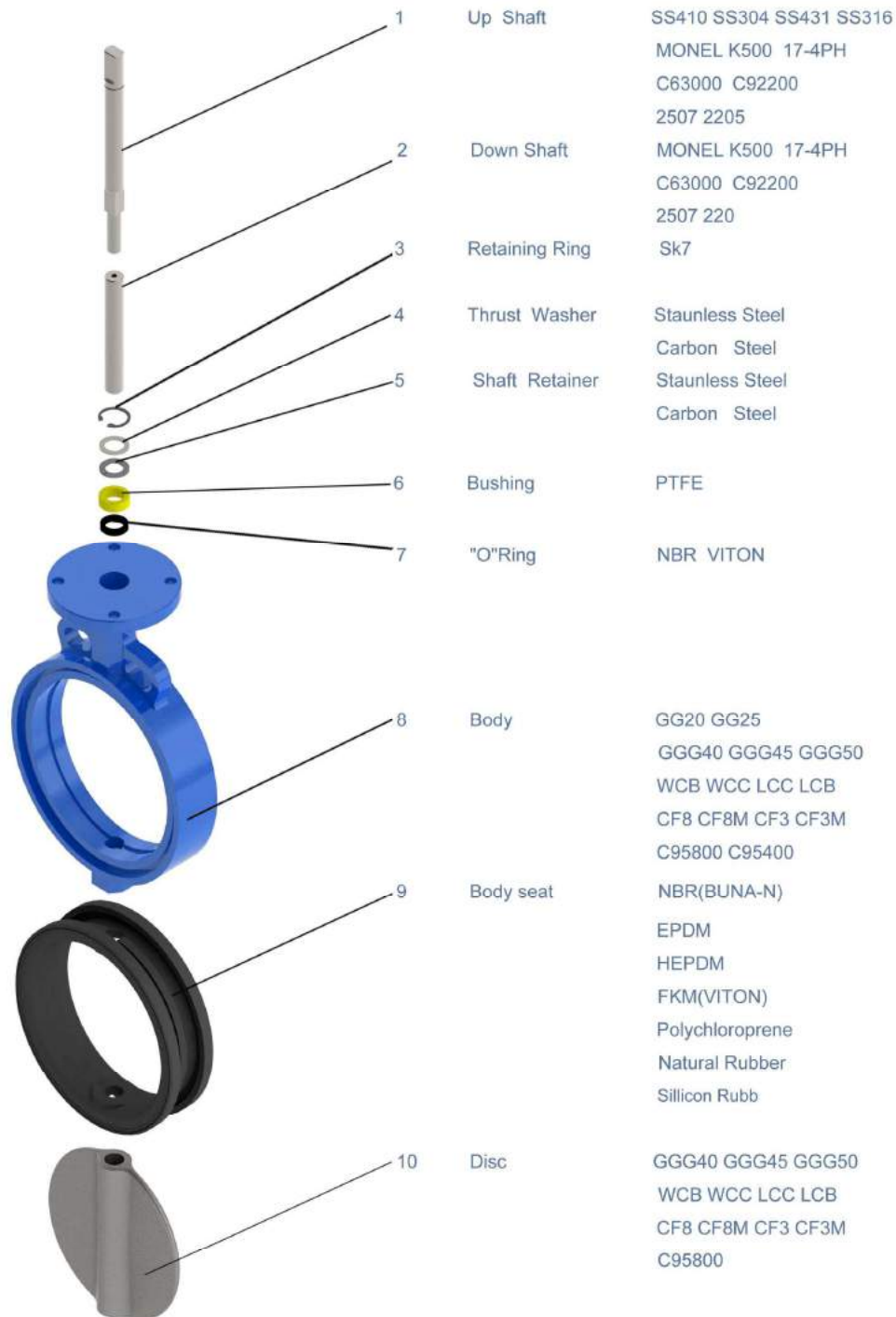
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Main Spare Part Material Quality (DN50-DN150)



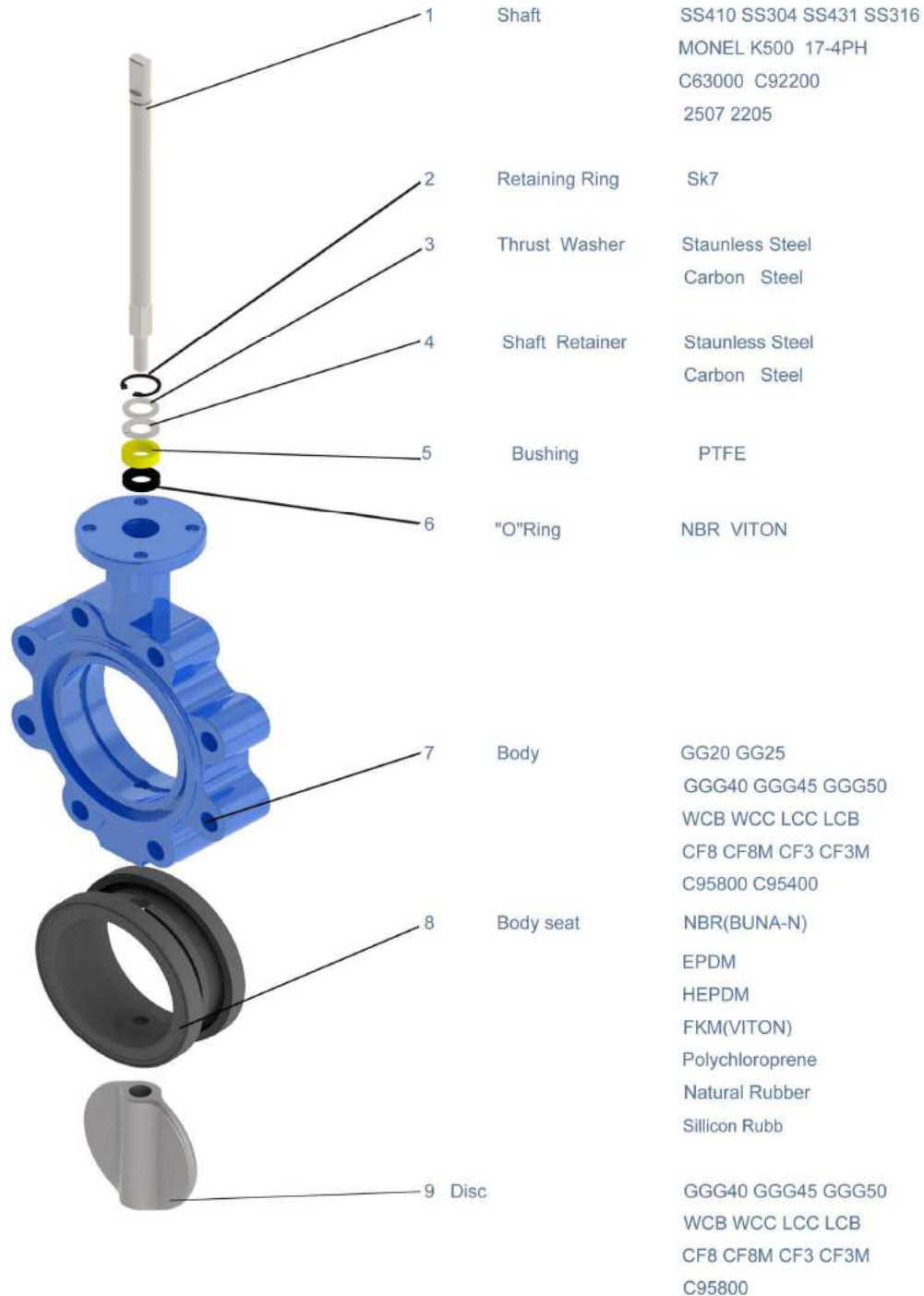
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Main Spare Part Material Quality (DN200-DN300)



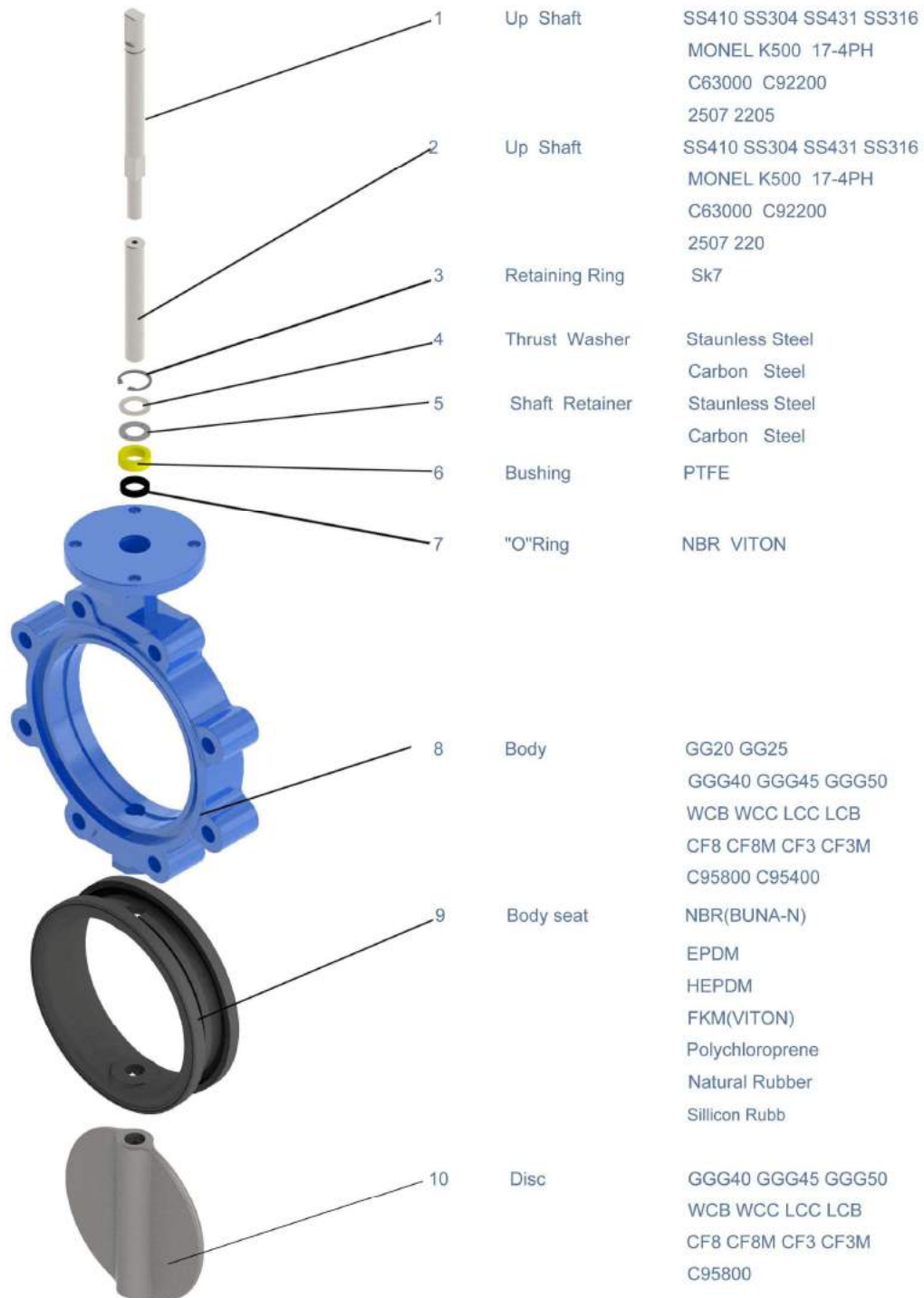
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Main Spare Part Material Quality (DN50-DN150)



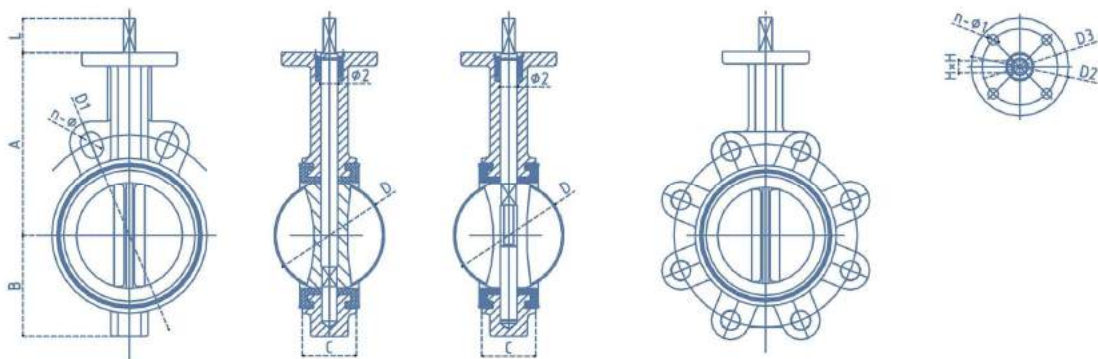
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Main Spare Part Material Quality (DN200-DN300)



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Drawing (DN50-DN300)



Outline Dimensions

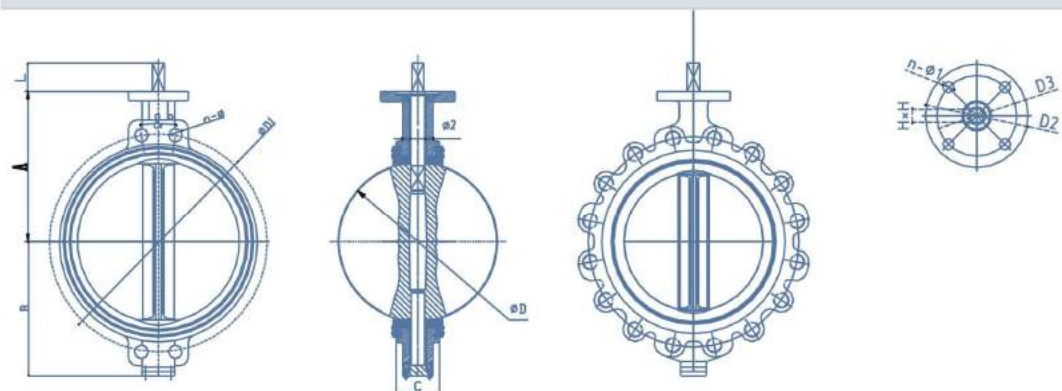
SIZE	A	B	C	D	$\phi 2$	ISO5211	D2	D3	n- $\phi 1$	H×H	L
50	140	61	43	52.6	12.6	F07	90	70	4-10	11×11	14
65	150	68	46	64.3	12.6	F07	90	70	4-10	11×11	14
80	158	76	46	78.8	12.6	F07	90	70	4-10	11×11	14
100	176	92	52	104	15.77	F07	90	70	4-10	11×11	14
125	190	107	56	123.3	18.92	F07	90	70	4-10	14×14	17
150	211	120	56	155.7	18.92	F07	90	70	4-10	14×14	17
200	235	151	60	202.4	22.1	F10	125	102	4-12	17×17	22
250	265	186	68	250.42	28.45	F10	125	102	4-12	22×22	22
300	305	211	78	301.5	31.6	F10	125	102	4-12	22×22	22

Connection Dimensions

DN	Outer Diameter Of Flange				Diameter Of Center Circle				Number And Diameter Of Bolt Holes			
	150LB	PN10	PN16	JIS10K	150LB	PN10	PN16	JIS10K	150LB	PN10	PN16	JIS10K
50	150	165	165	155	120.7	125	125	120	4-19	4-19	4-19	4-19
65	180	185	185	175	139.7	145	145	140	4-19	4-19	4-19	4-19
80	190	200	200	185	152.4	160	160	150	4-19	8-19	8-19	8-19
100	230	220	220	210	190.5	180	180	175	8-19	8-19	8-19	8-19
125	255	250	250	250	215.9	210	210	210	8-22	8-19	8-19	8-23
150	280	285	285	280	241.3	240	240	240	8-22	8-23	8-23	8-23
200	345	340	340	330	298.5	295	295	290	8-22	8-23	12-23	12-23
250	405	395	405	400	362	350	355	355	12-26	12-23	12-28	12-25
300	485	445	460	445	431.8	400	410	400	12-26	12-23	12-28	16-25

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Drawing (DN350-DN600)



Outline Dimensions

SIZE	A	B	C	φD	φ2	ISO5211	D2	D3	n-φ1	HxH	L
DN350	368	267	78	333.5	31.6	F10	125	102	4-12	22X22	22
DN400	400	309	102	389.6	33.15	F14	175	140	4-18	27X27	36
DN450	422	340	114	440.5	37.95	F14	175	140	4-18	27X27	36
DN500	440	362	127	491.6	41.12	F14	175	140	4-18	36X36	36
DN600	565	452	154	592.5	50.62	F16	210	165	4-22	36X36	46

Connection Dimensions

DN	Outer Diameter Of Flange				Diameter Of Center Circle				Number And Diameter Of Bolt Holes			
	150LB	PN10	PN16	JIS10K	150LB	PN10	PN16	JIS10K	150LB	PN10	PN16	JIS10K
350	535	505	520	490	476.3	460	470	445	12-29	16-28	16-28	16-25
400	595	565	580	560	539.8	515	525	510	16-29	16-28	16-31	16-27
450	635	615	640	620	577.9	565	585	565	16-32	20-28	20-31	20-27
500	700	670	715	675	635	620	650	620	20-32	20-28	20-34	20-27
600	815	780	840	795	749.3	725	770	730	20-35	20-31	20-37	24-33