STEFFENINI

ITALIAN **VALVES**

UNI / DIN / BS VALVES CATALOGUE

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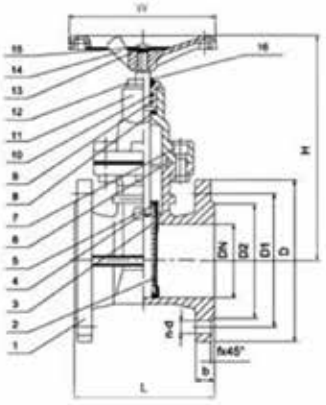
DESCRIPTION

DESIGN CONFIRMS TO
DIN3352, BS5163, S.1.61, SABS 664/665
FLANGES DRILLED CONFIRM TO
DIN2501/BS4504

NORMAL PRESSURE
1.6 Mpa
SHELL TEST PRESSURE
2.4 Mpa
SEAL TEST PRESSURE
1.76 Mpa
SUITABLE MEDIUM
water and neutral liquid
SUITABLE TEMPERATURE
NBR < 80°C
EPDM < 120°C



MATERIALS

NO	PART	MATERIAL	DIN STANDARD	BS STANDARD
1	BODY	DUCTILE IRON	GGG40	BS2798 420/12
2	WEDGE	DUCTILE IRON	GGG40	BS2798 420/12
3	WEDGE	RUBBER	EPDM/NBR	-
4	STEM	STAINLESS STEEL	X20CR13	BS970 420537
5	STEM NUT	BRASS	-	BS2874 CA122
6	GASKET	RUBBER	EPDM/NBR	-
7	SCREW	STEEL	CK45	BS970 40E
8*	GASKET	TEFLON/BRASS	-	-
9	O-RING	RUBBER	EPDM/NBR	-
10	O-RING	RUBBER	EPDM/NBR	-
11	BONNET	DUCTILE IRON	GGG40	BS2789 420/12
12	GLAND	BRASS	-	BS2874 CZ122
13	WASHER	STEEL	CK45	
14	HANDWHEEL	DUCTILE IRON	GGG40	BS2789 420/12
15	BOLT	STEEL	CK45	BS970 40E
16	ANTI-DUST RING	RUBBER	NBR	-

8* DN40-DN150: TEFLON OR BRASS; DN 200-DN600: BRASS

DIMENSION (MM)

DN	L				D	D1	D2	b	f	n-d	H	W
	DIN3202 F4	DIN3202 F5	BS5163	SABS664								
40	140	240	165	-	150	110	88	19	3	4-18	260	160
50	150	250	178	216	165	125	102	19	3	4-18	270	180
65	170	270	190	-	185	145	122	19	3	4-18	283	180
80	180	280	203	229	200	160	138	19	3	8-18	311	220
100	190	290	229	254	220	180	158	19	3	8-18	352	250
125	200	325	254	-	250	210	188	19	3	8-18	435	280
150	210	350	267	280	285	240	212	19	3	8-18	485	320
200	230	400	292	317	340	295	268	20	3	12-22	520	350
250	250	450	330	356	405	355	320	22	3	12-26	632	400
300	270	500	356	380	460	410	378	24.5	4	12-26	745	400
350	290	550	381	470	520	470	430	26.5	4	16-28	835	500
400	310	600	406	470	580	525	489	28	4	16-31	853	600
450	330	650	432	485	640	585	548	30	4	20-31	1030	630
500	350	700	457	510	715	650	609	31.5	4	20-34	1100	630
600	390	800	508	600	840	770	720	36	5	20-37	1300	630

DESCRIPTION

DESIGN CONFIRMS TO
DIN3352, BS5163, S.1.61, SABS 664/665
FLANGES DRILLED CONFIRM TO
DIN2501/BS4504

NORMAL PRESSURE
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SHELL TEST PRESSURE
2.4 Mpa
SEAL TEST PRESSURE
1.76 Mpa
SUITABLE MEDIUM
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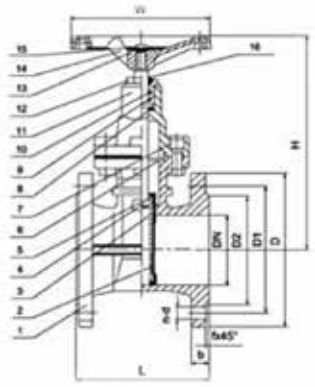
SUITABLE TEMPERATURE
NBR < 80°C
EPDM < 120°C



MATERIALS

NO	PART	MATERIAL	DIN STANDARD	BS STANDARD
1	BODY	DUCTILE IRON	GGG40	BS2798 420/12
2	WEDGE	DUCTILE IRON	GGG40	BS2798 420/12
3	WEDGE	RUBBER	EPDM/NBR	-
4	STEM	STAINLESS STEEL	X20CR13	BS970 420537
5	STEM NUT	BRASS	-	BS2874 CA122
6	GASKET	RUBBER	EPDM/NBR	-
7	SCREW	STEEL	CK45	BS970 40E
8*	GASKET	TEFLON/BRASS	-	-
9	O-RING	RUBBER	EPDM/NBR	-
10	O-RING	RUBBER	EPDM/NBR	-
11	BONNET	DUCTILE IRON	GGG40	BS2789 420/12
12	GLAND	BRASS	-	BS2874 CZ122
13	WASHER	STEEL	CK45	
14	HANDWHEEL	DUCTILE IRON	GGG40	BS2789 420/12
15	BOLT	STEEL	CK45	BS970 40E
16	ANTI-DUST RING	RUBBER	NBR	-

8* DN40-DN150: TEFLON OR BRASS; DN 200-DN600: BRASS

DIMENSION (MM)

DN	L				D	D1	D2	b	f	n-d	H	W
	DIN3202 F4	DIN3202 F5	BS5163	SABS664								
40	140	240	165	-	150	110	88	19	3	4-18	260	160
50	150	250	178	216	165	125	102	19	3	4-18	270	180
65	170	270	190	-	185	145	122	19	3	4-18	283	180
80	180	280	203	229	200	160	138	19	3	8-18	311	220
100	190	290	229	254	220	180	158	19	3	8-18	352	250
125	200	325	254	-	250	210	188	19	3	8-18	435	280
150	210	350	267	280	285	240	212	19	3	8-18	485	320
200	230	400	292	317	340	295	268	20	3	12-22	520	350
250	250	450	330	356	405	355	320	22	3	12-26	632	400
300	270	500	356	380	460	410	378	24.5	4	12-26	745	400
350	290	550	381	470	520	470	430	26.5	4	16-28	835	500
400	310	600	406	470	580	525	489	28	4	16-31	853	600
450	330	650	432	485	640	585	548	30	4	20-31	1030	630
500	350	700	457	510	715	650	609	31.5	4	20-34	1100	630
600	390	800	508	600	840	770	720	36	5	20-37	1300	630

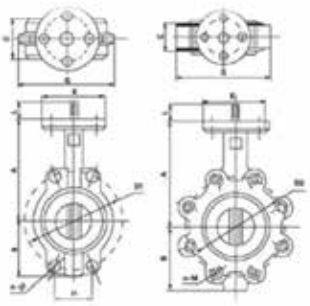
DESCRIPTION

SUITABLE TEMPERATURE

BUNA-N(NBR) < 80°C
EPDM < 120°C VITON< 150°C

SUITABLE MEDIA

Fresh Water, Sewage, Sea Water, Ait, Vapour, Food, Medicine, Oils, Acids, Alkalis, Salts, etc...



MATERIALS

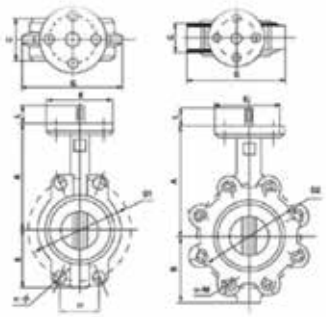
NO.	PART	MATERIALS	OPTIONAL MATERIALS
1	BODY	CASTIRON	DUCTILEIRON, CARBONSTEEL, STAINLESSSTEEL
2	SEAT	BUNA-NOR EPDM	NEOPRENE, HYPALON, VITON, FOODGRADEEPDM, PTFE
3	DISC	DUCTILEIRON	ALUMINUMBRONZE, 316SS, 304SS, STEEL
4	SHAFT	SS410	304, 3016STAINLESSSTEEL, MONEL
5	KEY	CARBONSTEEL	NONE
6	O-RING	BUNA-N	NONE
7	BUSHING	LUBRICATEDBRONZE	FIBERGLASSBACKEDPTFE

DIMENSION (MM)

DN	A	A**	B	B**	C	TypeA	TypeLT	K	L	D1*	D2*	n=0	n=M*	A/LT(kg) weight
50	161	130	80	70	42	100	121	90	30	120	125	4-18	4-M16	2.9/4
65	175	136	90	78	44	120	138	90	30	136.2	145	4-18	4-M16	3.4/5
80	181	140	95	92	48	127	146	90	30	160	160	8-18	8-M16	4.6/6
100	200	152	114	106	52	156	206	90	30	185	180	8-18	8-M16	5.3/7.5
125	213	170	127	121	56	190	234	90	30	215	210	8-18	8-M16	7.5/9
150	226	186	139	140	56	212	262	90	30	238	240	8-23	8-M20	9.6/11
200	260	2020	175	170	60	268	313	90	32	295	295	"8-23 12-23"	"8-M20 12-M20"	15.5/16.5
250	292	250	203	197	68	325	394	125	32	357	"350 355"	12-26	"12-M20 12-M24"	23.5/27
300	337	293	242	233	78	403	468	125	32	407	"400 410"	12-26	"12-M20 12-M24"	35/38.5
350	370	-	270	-	78	430	515	150	45	467	"460 470"	16-26	"16-M24 16-M20"	42.5/72
400	400	-	300	-	86	485	580	175	51	"515 525"	"515 525"	16-30	"16-M24 16-M27"	52/90
450	422	-	320	-	105	537	627	175	51	"565 585"	"565 585"	"20-26 20-30"	"20-M24 20-M27"	87/111
500	480	-	360	-	130	592	696	197	64	"620 650"	"620 650"	"20-26 20-33"	"20-M24 20-M30"	98/126
600	562	-	420	-	151	706	821	197	70	"725 770"	"725 770"	"20-30 20-36"	"20-M27 20-M33"	133/178

1. The asterisks identify the dimensions of the valves of different pressure grade PN10/PN16. The flanges of the butterfly valves accommodate all type of operations; manual, worm&tgear, electric, hydraulic and pneumatic actuators.
2. Both TypeA and TypeLT valve have the same construction and performances and are made of the same materials. The major difference between them is that the Lt type can be joined between two pipes using ordinary hexagon-headed bolts or mounted on the pipe end.
3. A**B** short valve neck
4. The flanges can be as per DIN2501 PN10/PN16, Bs4504 PN10/PN16, Bs10 TABLE E, ANSI B16.1, JIS 10K

BUTTERFLY VALVE LUG
TYPE WITH LEVER



DESCRIPTION

SUITABLE TEMPERATURE
BUNA-N(NBR) < 80°C
EPDM < 120°C VITON< 150°C

SUITABLE MEDIA
Fresh water, sewage, sea water, ait, vapour, food, medicine, oils, acids, alkalis, salts, etc...

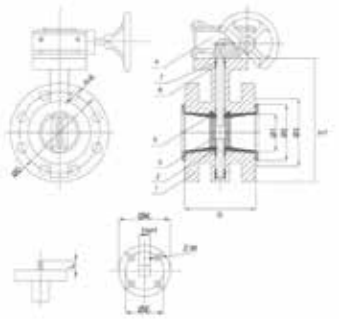
MATERIALS

NO.	PART	MATERIALS	OPTIONAL MATERIALS
1	BODY	CASTIRON	DUCTILEIRON, CARBONSTEEL, STAINLESSSTEEL
2	SEAT	BUNA-NOR EPDM	NEOPRENE, HYPALON, VITON, FOODGRADEEPDM, PTFE
3	DISC	DUCTILEIRON	ALUMINUMBRONZE, 316SS, 304SS, STEEL
4	SHAFT	SS410	304, 3016STAINLESSSTEEL, MONEL
5	KEY	CARBONSTEEL	NONE
6	O-RING	BUNA-N	NONE
7	BUSHING	LUBRICATEDBRONZE	FIBERGLASSBACKEDPTFE

DIMENSION (MM)

DN	A	A**	B	B**	C	TypeA	TypeLT	K	L	D1*	D2*	n=0	n=M*	A/LT(kg) weight
50	161	130	80	70	42	100	121	90	30	120	125	4-18	4-M16	2.9/4
65	175	136	90	78	44	120	138	90	30	136.2	145	4-18	4-M16	3.4/5
80	181	140	95	92	48	127	146	90	30	160	160	8-18	8-M16	4.6/6
100	200	152	114	106	52	156	206	90	30	185	180	8-18	8-M16	5.3/7.5
125	213	170	127	121	56	190	234	90	30	215	210	8-18	8-M16	7.5/9
150	226	186	139	140	56	212	262	90	30	238	240	8-23	8-M20	9.6/11
200	260	2020	175	170	60	268	313	90	32	295	295	"8-23 12-23"	"8-M20 12-M20"	15.5/16.5
250	292	250	203	197	68	325	394	125	32	357	"350 355"	12-26	"12-M20 12-M24"	23.5/27
300	337	293	242	233	78	403	468	125	32	407	"400 410"	12-26	"12-M20 12-M24"	35/38.5
350	370	-	270	-	78	430	515	150	45	467	"460 470"	16-26	"16-M24 16-M20"	42.5/72
400	400	-	300	-	86	485	580	175	51	"515 525"	"515 525"	16-30	"16-M24 16-M27"	52/90
450	422	-	320	-	105	537	627	175	51	"565 585"	"565 585"	"20-26 20-30"	"20-M24 20-M27"	87/111
500	480	-	360	-	130	592	696	197	64	"620 650"	"620 650"	"20-26 20-33"	"20-M24 20-M30"	98/126
600	562	-	420	-	151	706	821	197	70	"725 770"	"725 770"	"20-30 20-36"	"20-M27 20-M33"	133/178

1. The asterisks identify the dimensions of the valves of different pressure grade PN10/PN16. The flanges of the butterfly valves accommodate all type of operations; manual, worm&gear, electric, hydraulic and pneumatic actuators.
2. Both TypeA and TypeLT valve have the same construction and performances and are made of the same materials. The major difference between them is that the Lt type can be joined between two pipes using ordinary hexagon-headed bolts or mounted on the pipe end.
3. A**B** short valve neck
4. The flanges can be as per DIN2501 PN10/PN16, Bs4504 PN10/PN16, Bs10 TABLE E, ANSI B16.1, JIS 10K



DESCRIPTION

DESIGN ACCORDING TO
BS 5155

NORMAL PRESSURE
1.6 Mpa

INSPECTION & TEST
DIN 3230 Part 3

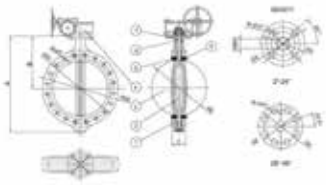
FACE TO FACE
DIN3202 F16 (EN558-1 Series13)

MATERIALS

NO.	PART	MATERIAL
1	BODY	GGG40
2	STEM	SS416
3	DISC	GGG40/SS304/SS316/AL.BRONZE (C95400)
4	GEAR BOX	CAST IRON / DUCTILE IRON

DIMENSION (MM)

DN	<D 1	<D 2	<D 3	C	D	n-d	H1	K	E	Z-M	L	HXH
50	59	95	105	108	125	4-19	175	90	70	4-10	30	11X11
65	69.8	114	122	112	145	4-19	190	90	70	4-10	30	11X11
80	86.4	128	138	114	160	4-19	214	90	70	4-10	30	11X11
100	116	150	160	127	180	4-19	226	90	70	4-10	30	11X11
125	133	178	186	140	210	8-19	264	90	70	4-10	30	14X14
150	165	200	216	140	240	8-23	319	90	70	4-10	30	14X14
200	212	262	272	152	295	12-23	385	125	102	4-12	40	17X17
250	262	310	320	165	355	12-28	448.5	125	102	4-12	40	22X22
300	313	364	376	178	410	12-28	518	140	102	4-12	40	22X22
350	344	415	429	190	470	16-28	564	140	102	4-12	45	22X22
400	400	460	480	216	525	16-31	622	197	140	4-18	70	27X27
450	452	510	530	222	585	20-31	695	197	140	4-18	70	27X27
500	503.6	560	582	229	650	20-34	778	197	140	4-18	80	36X36
600	604	660	682	267	770	20-37	890	276	165	4-23	80	36X36
700	706	770	794	292	840	24-37	1050	300	254	8-18	80	-
800	806.6	871	901	318	950	24-40	1180	300	254	8-18	80	-
900	877	972	1001	330	1050	28-40	1240.5	300	254	8-18	118	-
1000	977	1080	1112	410	1170	28-43	1398	300	254	8-18	142	-
1200	1156.1	1270	-	470	1390	32-48	-	350	254	8-22	142	-



DESCRIPTION

DESIGN ACCORDING TO
BS 5155

NORMAL PRESSURE
1.6 Mpa

INSPECTION & TEST
DIN 3230 Part 3

FACE TO FACE
DIN3202 K1 (EN558-1 Series20)

MATERIALS

NO.	PART	MATERIAL
1	BODY	GGG40
2	STEM	416SS
3	DISC	GGG40/316/304/AL.BRONZE
4	BODY SEAT	EPDM/NBR
5	BUSHING	LUBRIFICANT BRONZE
6	O-RING	EPDM
7	INDICATOR	CARBON STEEL
8	LEVER	CAST IRON
9	HALF-WASHER	STEEL
10	WASHER	STEEL
11	CIRCLIP	STEEL

DIMENSION (MM)

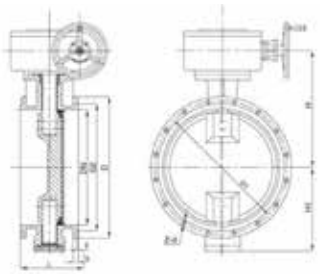
DN	A	B	C	D	D1	D2	E	K	N- T	N- d1	bxb
2"	220	140	42	52.7	125	165	90	70	4-19	4-10	11X11
2.5"	242	152	44.7	64.4	145	185	90	70	4-19	4-10	11X11
3"	246	159	45.2	78.8	160	200	90	70	8-19	4-10	11X11
4"	284	178	52.1	104	180	220	90	70	8-19	4-10	11X11
5"	314	191	54.4	123.3	210	250	90	70	8-19	4-10	14X14
6"	324	204	55.8	155.6	240	285	90	70	8-23	4-10	14X14
8"	390	238	60.6	202.5	295	340	125	102	12-23	4-12	17X17
10"	473	270	65.6	250.5	355	405	125	102	8-27	4-12	22X22
12"	557	315	76.9	301.5	410	460	140	102	8-27	4-12	22X22
14"	635	368	76.5	333.3	470	520	140	102	12-27	4-12	22X22
16"	709	400	86.5	389.6	525	580	197	140	16-31	4-18	27X27
18"	750	422	103.5	440.5	585	640	197	140	20-31	4-18	27X27
20"	641	480	129.5	491.6	650	715	197	140	20-34	4-18	36X36
24"	1021	562	152	592.5	770	840	276	165	20-37	4-22	36X36
28"	1144	624	163	695	840	895	300	254	24-37	8-18	-
30"	1199	660	167	745	950	984	300	254	24-40	8-18	-
32"	1263	672	188	794.5	950	1025	300	254	24-40	8-18	-
36"	1376	720	203	846.7	1050	1115	300	254	28-40	8-18	-
40"	1521	800	216	965	1170	1230	300	254	28-43	8-18	-
48"	1805	864	276	1160.6	1390	1511	350	295	32-49	8-22	-

DESCRIPTION

DESIGN
BS 5155, BSEN593

TESTING
Bs6755

FACE TO FACE
ISO5752 14 (BS EN558-1 SERIES 13)
DIN3202 F4 (EN558-1 Series14)
Face to face can be other options

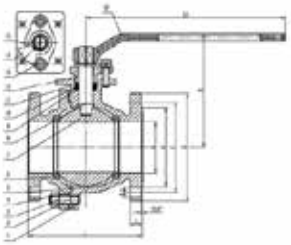


MATERIALS

NO	PART	MATERIAL
1	GEAR BOX	GG20 (GGG40)
2	STEM	SS
3	BODY SEAT	GGG40
4	DISC	GGG40
5	BOLTS	CARBON STEEL
6	RESTAINER	GGG40 OR SS
7	RUBBER SEAT	NBR/EPDM

DIMENSION (MM)

DN	PN (Mpa)	L		D	D1	D2	Z-d	b	f	H1	H	Do	Kg
100	1.6	190	127	220	180	156	8-23	19	3	210	295	320	62
150	1.6	210	140	285	240	211	8-23	19	3	210	295	320	88
200	1.6	230	152	340	295	266	12-23	20	3	210	295	320	104
250	1.6	250	165	405	355	319	12-28	22	3	235	330	320	136
300	1.6	270	178	460	410	370	12-28	24.5	4	284	349	300	150
350	1.6	290	190	520	470	429	16-28	26.5	4	319	390	360	199
400	1.6	310	216	580	525	480	16-31	28	4	345	415	360	271
450	1.6	330	222	640	585	548	20-31	30	4	383	519	360	298
500	1.6	350	229	715	650	609	20-34	31.5	4	420	489	360	410
600	1.6	390	267	840	770	720	20-37	36	5	476	563	450	549
700	1.6	430	292	910	840	794	24-37	39.5	5	550	630	360	780
750	1.6	470	318	975	900	844	24-36	43	5	580	665	360	938
800	1.6	470	318	1025	950	901	24-40	43	5	600	678	450	1045
900	1.6	510	330	1125	1050	1001	28-40	46.5	5	665	838	500	1222
1000	1.6	550	410	1255	1170	1112	28-43	50	5	775	960	500	1905
1100	1.6	630	470	1355	1280	12818	32-43	53.5	5	860	1077	500	2146
1200	1.6	630	470	1485	1390	1328	32-49	57	5	910	1127	500	2408
1400	1.6	710	530	1685	1590	1530	36-49	60	5	985	1146	600	3510
1600	1.6	790	600	1930	1820	1750	40-56	65	5	1190	1559	600	7200
1800	1.6	870	670	2130	2020	1950	44-56	70	5	1420	1975	600	9980
2000	1.6	950	760	2345	2230	2150	48-62	75	5	1615	2085	600	13753



DESCRIPTION

DESIGN AND MANUFACTURE
Full porte

FACE TO FACE
DIN3201 15-100 (series F4)
125 above (Series F5)

FLANGE
DIN 2501/ DIN 2533

PRESSURE TEST
ISO5208 or Ai598

FLANGE FACINGS
Available on request

NOMINAL PRESSURE
PN 16

SHELL STRENGTH (WATER)
2.4 Mpa

SEALING TEST (WATER)
1.8 Mpa

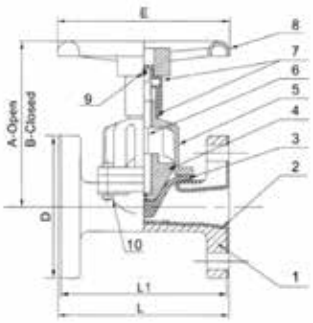
AIR SEAT PING (AIR)
0.6 Mpa

MATERIALS

NO.	PART	MATERIAL
1	BODY	CAST IRON
2	STUD BOLT	CARBON STEEL
3	NUT	CARBON STEEL
4	BONNET	CAST IRON
5	SPIRAL WOUND	STAINLESS STEEL + GRAPHITE
6	SEAT	PTFE
7	BALL	STAINLESS STEEL 2Cr13
8	STEM	STAINLESS STEEL 2Cr13
9	PACKING	PTFE
10	PACKING	PTFE
11	PACKING	PTFE
12	GLAND	CAST IRON
13	HEX BOLT	CARBON STEEL
14	LOCATOR CARD	CARBON STEEL
15	FLEXIBLE WASHER	65Mn
16	HANDLE	DUCTILE IRON

DIMENSION (MM)

DN	L	D	C	g	d	N	h	t	f	ϕ	M	H	LO
15	115	95	65	45	15	4	14	14	2	42	6	87	140
20	120	105	75	58	20	4	14	16	2	42	6	100	160
25	125	115	85	68	25	4	14	16	2	42	6	103	175
32	130	140	100	78	32	4	18	16	2	50	6	120	245
40	140	150	110	88	40	4	18	16	3	50	6	130	245
50	150	165	125	102	50	4	18	18	3	70	8	132	250
65	170	185	145	122	65	4	18	18	3	70	8	152	250
80	180	200	160	138	80	8	18	20	3	102	10	170	350
100	190	220	180	158	100	8	18	20	3	102	10	205	400
125	325	250	210	188	125	8	18	22	3	125	12	250	645
150	350	285	240	212	150	8	22	22	3	125	12	270	645
200	400	340	295	268	200	12	22	24	3	140	16	340	750
250	450	405	355	320	250	12	26	26	3	165	20	-	-



DESCRIPTION

DESIGN AND MANUFACTURE CONFIRM TO
BS5156

FLANGE DIMENSIONS CONFIRM TO
Bs4504 PN10

WORKING PRESSURE
DN50-DN100: 1.0 Mpa
DN125 -DN150: 0.6 Mpa
DN200-DN300: 0.35 Mpa

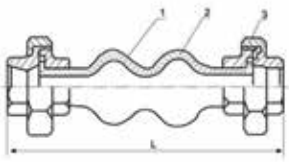
MATERIALS

NO.	PART	MATERIAL
1	BODY	GG25
2	BODY LINED	NATURAL RUBBER
3	DIAPHRAGM	NATURAL RUBBER
4	VALVE CLACK	GG25
5	BONNET	GG25
6	STEM	STAINLESS STEEL
7	BUSH	PLASTIC
8	HANDWHEEL	GGG40
9	PIN	CARBON STEEL
10	BOLT	STAINLESS STEEL

DIMENSION (MM)

DN	L	L1	A	B	D	E
50	194	190	185	165	165	160
65	222	216	224	200	185	200
80	258	254	273	240	198	250
100	309	305	321	285	220	315
125	362	356	347	305	250	315
150	412	406	447	385	283	400
200	527	521	-	415	335	500
250	640	635	-	560	400	500
300	755	749	-	640	460	630

RUBBER EXPANSION
JOINT SCREWED END



MATERIALS

NO.	PART	MATERIAL
1	MAIN BODY	POLARIZED RUBBER
2	LINING	NYLON CORD FABRIC
3	UNION	MALLEABLE IRON OR STEEL

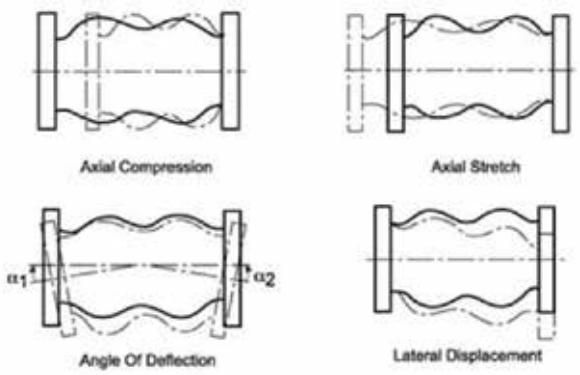
TECHNICAL CONDITION

WORKING PRESSURE	1.0 Mpa (10kgf/cm2)	DEFLECTING ANGLE	(a1+ a2) 45 °C
BURSTING PRESSURE	3.0 Mpa (30kgf/cm2)	VACUITY	53KPa(400 mm Hg)
APPLICABLE TEMP. °C	-10 - +80		
APPLICABLE MEDIA	IR COMPRESSED AIR, WATER, SEA WATER, HOT WEAK ACID, etc...		

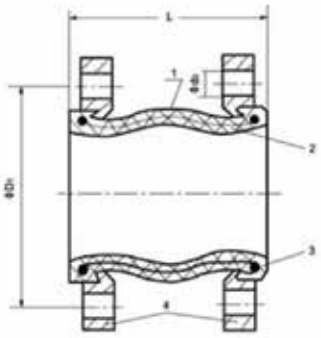
if reguest PN16, please indicate, when order

TABLE OF NORMAL CORE DIAMETER OF PIG, AXIAL DISPLACEMENT AND LATERAL DISPLACEMENT

NORMAL CORE DIA. DN		L(MM) L VALUE	AXIAL DISPLACEMENT (MM)		LATERAL DISPLACEMENT
(mm)	(in.)		STRETCH (mm)	COMPRESSION	
15	1/2	200	5-6	22	22
20	3/4	200	5-6	22	22
25	1	200	5-6	22	22
32	11/4	200	5-6	22	22
40	11/2	200	5-6	22	22
50	2	200	5-6	22	22
65	21/2	240	5-6	22	22
80	3	240	5-6	22	22



Schematic Diagram of displacement and deflection of floating flange rubber expantion jointis.



MATERIALS

NO.	PART	MATERIAL
1	MAIN BODY	POLARIZED RUBBER
2	LINING	NYLON CORD FABRIC
3	FRAME	HARD STEEL WIRE
4	FLANGE	FORGED STEEL

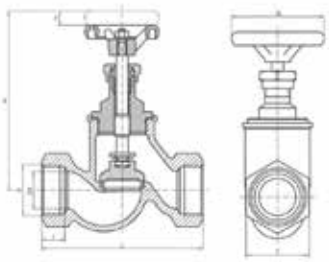
TECHNICAL CONDITION

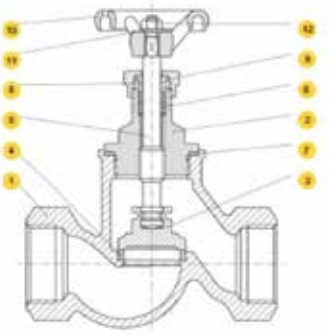
MODEL	KXT-(I)	KXT-(II)
WORKING PRESSURE Mpa (kg.f/cm2)	1.6(16)	1.0(10)
BURSTING PRESSURE Mpa (kg.f/cm2)	4.8(48)	3.0(30)
VACUITY Kpa(mmHg)	100(750)	86.7(650)
APPLICABLE TEMP. °C	-10 - +80	
APPLICABLE MEDIA	Air, Compressed Air, Water, Sea Water, Weak Acid	

Both ends of the joint can be arbitrary deflected for free adjustment of axial or lateral displacement

TABLE OF MAIN OARAMETERS OF NORMAL CORE DIAMETER, LENGHT, DISPLACEMENT VALUE AND FLANGE

NORMAL CORE DIA. DN		LENGTH L (mm)				N. OF BOLT	DIAMETER OF BOLT HOLE d0 (mm)	DIAMETER OF BOLT HOLE center circle D1 (mm)	AXIAL DISPLACEMENT (MM)		LATERAL DISPLACEMENT (mm)	ANGLE OF DIRECTION (a 1+a 2)
(mm)	(in.)								STRETCH (mm)	COMPRESSION		
32	11/4	150	130	95		4	17.5	100	6	9	9	9
40	11/2	150	130	95		4	17.5	110	6	10	9	9
50	2	150	130	105		4	17.5	125	7	10	10	10
65	21/2	150	130	115		4	17.5	145	7	13	12	12
80	3	150	130	130		8	17.5	160	8	15	12	12
100	4	150	130	135		8	17.5	180	10	19	13	13
125	5	150	130	165	170	8	17.5	210	1	19	13	13
150	6	150	130	180	185	8	22	240	12	20	14	14
200	8	150	130	190	205	8	22	295	16	25	22	22
250	10	150	130	230	240	12	22	350	16	25	22	22
300	12	150	130	245	260	12	22	400	16	25	22	22
350	14	200		265		16	22	460	16	25	22	22
400	16	200		265		16	26	515	16	25	22	22
450	18	200		265		20	26	565	16	25	22	22
500	20	200		265		20	26	620	16	25	22	22
600	24	200		265		20	30	725	16	25	22	22
700	28	200		270		24	26	810	16	25	22	22
800	32	200		270		24	30	920	16	25	22	22
900	36	200		270		24	30	1020	16	25	22	22
1000	40	200		270		28	30	1120	16	25	22	22



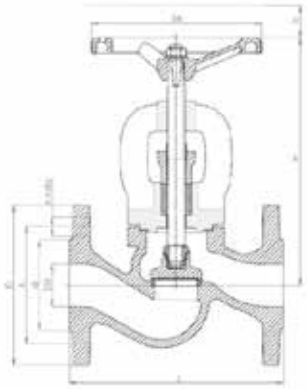


MATERIALS

NO.	PART	MATERIAL
1	BODY	EN GJL 250 5.1301 (EX JL 1040)
2	BONNET	EN GJL 250 5.1301 (EX JL 1040)
3	DISC	X20Cr13 1.4021
4	SEAT RING	X12Cr13 1.4006
5	STEM	X20Cr13 1.4021
6	GLAND PACKING	ALL GRAPHITE
7	GASKET	CARBAMIDE RUBBER
8	PACKING GLAD	CARBON STEEL
9	NUT	CARBON STEEL
10	HAND-WHEEL	EN GJL 250 5.1301 (EX JL 1040)
11	WASHER	CARBON STEEL + ZINC GALVANISED
12	NUT	CARBON STEEL + ZINC GALVANISED
13	MAX TEMPERATURE	200 °C
14	NOMINAL PRESSURE	16 BAR

DIMENSION (MM)

DN (mm)	g (mm)	l (mm)	H (mm)	L (mm)	Dk (mm)	h (mm)	kg
10	G 3/8	12	112	85	64	7	0.7
15	G 1/2	14	118	90	64	9	0.9
20	G 3/4	16	118	100	64	9	1.0
25	G 1	18	138	120	80	9	1.45
32	G 11/4	20	165	140	80	13	2.1
40	G 11/2	22	185	170	100	18	3.0
50	G 2	24	198	200	100	20	4.3



DESCRIPTION

CONFIRMS TO
DIN86251-1974

FACE TO FACE DIMENSIONS CONFIRM TO
DIN3202, F1

FLANGED DRILLED TO
DIN2501

SUITABLE MEDIA
Water, oil, water steam

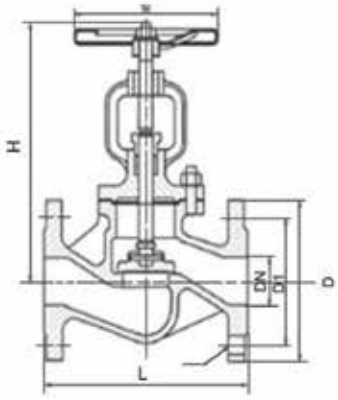
MATERIALS

NO.	PART	MATERIAL
1	BODY	CAST IRON GG25
2	SEAT RING	CAST BRASS OR STAINLESS STEEL
3	DISC	CAST IRON WITH BRASS OR STAINLESS STEEL SEAL RING/ X2013Cr
4	RETAINING RING	STEEL
5	SCREW	STEEL
6	BONNET BUSCHING	CAST BRASS
7	BONNET GASKET	GRAPHITE
8	BONNET	CAST IRON GG25
9	STEM	STEEL
10	PACKING	GRAPHITE
11	PACKING GLAND	CAST IRON GG25
13	HANDWHEEL	CAST IRON GG25
14	WASHER	STEEL
15	NUT	STEEL
16	STEEL BALL	STEEL
17	SCREW	STEEL
18	PACKING WASHER	CAST IRON GG25
19	GLAND FOLLOWER	CAST IRON GG25
20	YOKE BUSCHING	CAST BRASS
21	SCREW	STEEL
22-25	BOLT&NUT	STEEL

DIMENSION (MM)

DN	PN 6 (mm)				PN 16 (mm)				PN 25 (mm)				PN 6,16,25 (mm)					
	D	d	K	nxd	D	d	K	nxd	D	d	K	nxd	Dk	h	L	H	KG	kV (m3/h)
15	80	38	55	4x11	95	46	65	4x14	95	46	65	4x14	100	5	130	167	3,3	5,9
20	90	48	65	4x11	105	56	75	4x14	105	56	75	4x14	100	5,5	150	167	3,9	7,4
25	100	58	75	4x11	115	65	85	4x14	115	65	85	4x14	120	7	160	175	5	13
32	120	69	90	4x14	140	76	100	4x19	140	76	100	4x19	120	14	180	186	6,6	18
40	130	78	100	4x14	150	84	110	4x19	150	84	110	4x19	160	20	200	235	8,4	30
50	140	88	110	4x14	165	99	125	4x19	165	99	125	4x19	160	25	230	248	12	41
65	160	108	130	4x14	185	118	145	4x19	185	118	145	8x19	180	35	290	260	17,3	79
80	190	124	150	4x19	200	132	160	8x19	200	132	160	8x19	200	41	310	291	22,7	115
100	210	144	170	4x19	220	156	180	8x19	235	156	190	8x23	250	31	350	338	35,8	181
125	240	174	200	8x19	250	184	210	8x19	270	184	220	8x28	250	48	400	384	52,8	225
150	265	199	225	8x19	285	211	240	8x23	300	211	250	8x28	320	54	480	429	74,2	364
200	320	254	280	8x19	340	266	295	12x23	360	274	310	12x28	360	77	600	529	126	690
250	-	-	-	-	405	319	355	12x28	-	-	-	-	360	120	730	638	200	1010
300	-	-	-	-	460	370	410	12x28	-	-	-	-	500	120	850	710	315	1460

GLOBE VALVE
FLANGED PN 40



DESCRIPTION

DESIGN AS
DIN3356-82

FACE TO FACE
DIN3202 F1

SUITABLE MEDIUM
W.O.G.

TEST STANDARD
DIN3230-75

FLANGES
DIN2543-2546

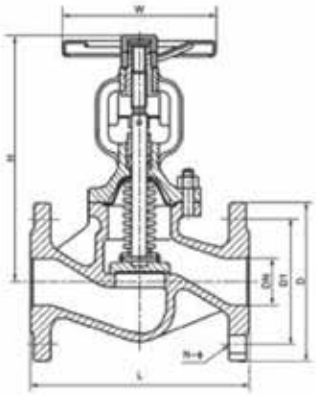
SUITABLE TEMPERATURE
-20-350 °C

MATERIALS

NO.	PART	MATERIAL	OPTIONAL MATERIAL	
1	BODY	GS-C25	1Cr18Ni9Ti	CF3, CF8
2	BONNET	GS-C25	1Cr18Ni9Ti	CF3, CF8
3	STEM	2Cr13	1Cr18Ni9Ti	SS316
4	TRIM	2Cr13	1Cr18Ni9Ti	SS316
5	SEAT	2Cr13	1Cr18Ni9Ti STL	304, 316, STL

DIMENSION (MM)

DN (mm)	L	H	W		WEIGHT (KG)		
			PN 16 25	PN 40	PN 16	PN 25	PN 40
15	130	191	120	140	3.7	4.3	4.3
20	150	191	120	140	4.4	4.8	4.8
25	160	197	140	140	5.1	6.3	6.3
32	180	200	140	160	7.5	7.8	7.8
40	200	218	160	180	8.8	10.3	10.3
50	230	220	180	180	12.2	12.6	12.6
65	290	238	180	200	16.1	19.0	19.0
80	310	257	200	250	21.4	25.0	25.0
100	350	340	250	300	33.0	35.0	35.0
125	400	360	300	350	51.0	56.0	56.0
150	480	390	300	350	69.0	74.0	74.0
200	600	530	400	450	105.0	144.0	160.0
250	730	665	520	520	180.0	238.0	260.0
300	850	720	520	520	265.0	339.0	370.0



DESCRIPTION

DESIGN AS
DIN3356-82

FLANGES
DIN2543-2546

TEST STANDARD
DIN3230-75

SUITABLE MEDIUM
W.O.G.

FACE TO FACE
DIN3202 F1

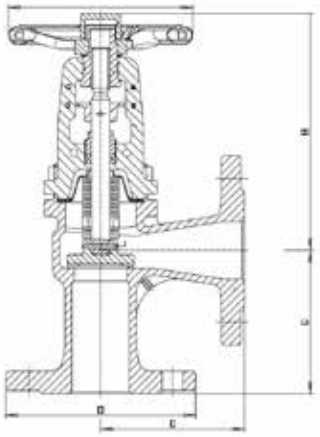
SUITABLE TEMPERATURE
-20-350 ℃

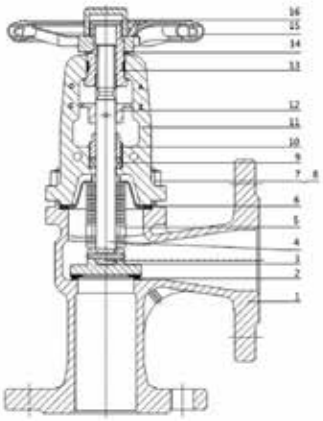
MATERIALS

NO.	PART	MATERIAL	OPTIONAL MATERIAL	
1	BODY	GS-C25	1Cr18Ni9Ti	CF3, CF8
2	BONNET	GS-C25	1Cr18Ni9Ti	CF3, CF8
3	STEM	2Cr13	1Cr18Ni9Ti	SS316
4	TRIM	2Cr13	1Cr18Ni9Ti	SS316
5	SEAT	2Cr13	1Cr18Ni9Ti STL	304, 316, STL

DIMENSION (MM)

"DN (mm)"	L	H	W		PATH	WEIGHT (KG)			kv
			PN 16 25	PN 40	H	PN 16	PN 25	PN 40	
15	130	191	120	140	6	3.7	4.3	4.3	4.2
20	150	191	120	140	6	4.4	4.8	4.8	7.4
25	160	197	140	140	8	5.1	6.3	6.3	12.0
32	180	200	140	160	8	7.5	7.8	7.8	19.0
40	200	218	160	180	13	8.8	10.3	10.3	30.0
50	230	220	180	180	13	12.2	12.6	12.6	47.0
65	290	238	180	200	16	16.1	19.0	19.0	77.0
80	310	257	200	250	20	21.4	25.0	25.0	120.0
100	350	340	250	300	25	33.0	35.0	35.0	188.0
125	400	360	300	350	32	51.0	56.0	56.0	288.0
150	480	390	300	350	40	69.0	74.0	74.0	410.0
200	600	530	400	450	50	105.0	144.0	160.0	725.0
250	730	665	520	520	65	180.0	238.0	260.0	1145.0
300	850	720	520	520	75	265.0	339.0	370.0	1635.0





DESCRIPTION

PERFORMANCE ADVANTAGE
Bellow is the key part of bellow sealed valves,which is welded to both the valve bonnet and valve stem, with automatic roll welding. The metal bellow can keep the stem part 100% no leakage. Double seal design (bellows+packing). Bellow form a metal seal to prevent leakage, and packing can provide seal if the bellow failed.

Overlay welded seat can keep reliable sealing under severe conditions.
Ergonomic hand wheel. It provide longer service life and easier operation.

TECHNICAL SPECIFICATION
DESIGN STANDARD
DIN EN 13709:2003
FACE TO FACE DIMENSION
DIN EN 558-1:1995

FLANGED ENDS
DIN EN 1092-1:2002
WELDED ENDS
DIN EN 12627
TEST & INSPECTION
DIN EN 12266:2003
APPLICATION
Thermal oil system, steam system, hot adn cold water system etc...

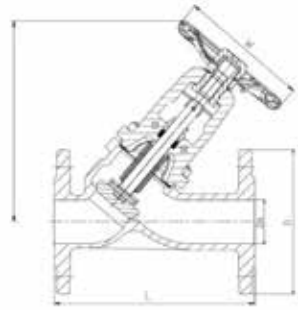
PRODUCT PARTS & MATERIALS

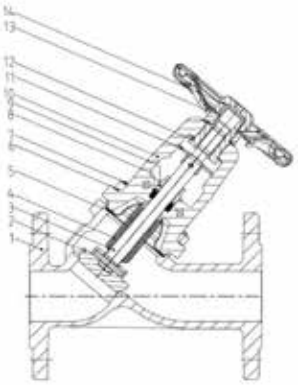
NO.	PART	MATERIAL		
1	BODY	GS-C25/1.0619	CF8/1.4301	CF8/1.4408
2	SEAT	OVERLAY 13Cr	SS304	SS316
3	DISC SURFACE	OVERLAY 13Cr	SS304	SS316
4	STEM	X20Cr13	SS304	SS316
5	BELLOWS	SS304/SS316/SS321/SS316Ti	SS304/SS316/SS321/SS316Ti	SS304/SS316/SS321/SS316Ti
6	GASKET	GRAPHITE+SS	GRAPHITE+SS	GRAPHITE+SS
7	NUT	A194 2H	A194 8	A194 8M
8	BOLT	A193 B7	A193 B8	A193 B8M
9	PACKING	GRAPHITE	GRAPHITE	GRAPHITE
10	GLAND	STEEL	STEEL	STEEL
11	BONNET	GS-C25/1.0619	CF8/1.4301	CF8/1.4408
12	GUIDE PIECE	C.S	C.S.	C.S.
13	STEM NUT	DUCTILE IRON	COPPER ALLOY	COPPER ALLOY
14	PIN	STEEL	STEEL	STEEL
15	HAND WHEEL	STEEL	STEEL	STEEL
16	LOCK NUT	A105	A105	A105

Notes: Above parts materials are usedf or conventional product. If there are special requirements, which canb e changed according to customer requirements. For example, the sealing can be Stellite.

MAIN DIMENSION (MM)

PN16																	
Size DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW	90	95	100	105	115	125	145	155	175	200	225	275	325	375	425	475
D	95	105	115	140	150	165	185	200	220	250	285	340	405	480	520	580
W	140	140	160	160	180	200	220	250	300	350	400	450	550	600	700	700
H	200	200	212	212	248	248	287	320	390	412	470	630	740	840	990	1100
Weight(kg)	3.8	4.8	5.7	7.6	9	12	16	22	33	45	70	135	260	305	510	740
Stroke	8	8	10	10	12	15	17	22	28	34	40	60	75	85	100	110
Kvs(m3/h)	4.2	7.4	12	19	30	47	77	120	188	285	410	725	1140	1660	2230	2950
PN25																	
Size DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW	90	95	100	105	115	125	145	155	175	200	225	275	325	375	425	475
D	95	105	115	140	150	165	185	200	235	270	300	360	425	485	555	620
W	140	140	160	160	180	200	220	250	300	350	400	450	550	600	700	700
H	200	200	212	212	248	248	287	320	390	412	470	630	740	840	990	1100
Weight(kg)	3.8	4.8	5.7	7.6	9	12	16	22	34	46	72	138	270	310	520	760
Stroke	8	8	10	10	12	15	17	22	28	34	40	60	75	85	100	110
Kvs(m3/h)	4.2	7.4	12	19	30	47	77	120	188	285	410	725	1140	1660	2230	2950
PN40																	
Size DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW	90	95	100	105	115	125	145	155	175	200	225	275	325	375	425	475
D	95	105	115	140	150	165	185	200	235	270	300	375	450	515	580	660
W	140	140	160	160	180	200	220	250	300	350	400	450	550	600	700	700
H	200	200	212	212	248	248	287	320	390	412	470	630	740	840	990	1100
Weight(kg)	3.8	4.8	5.7	7.6	9	12	16	22	35	48	75	140	275	315	530	770
Stroke	8	8	10	10	12	15	17	22	28	34	40	60	75	85	100	110
Kvs(m3/h)	4.2	7.4	12	19	30	47	77	120	188	285	410	725	1140	1660	2230	2950





DESCRIPTION

PERFORMANCE ADVANTAGE

Bellow is the key part of bellow sealed valves,which is welded to both the valve bonnet and valve stem, with automatic roll welding. The metal bellow can keep the stem part 100% no leakage. Double seal design (bellows+packing). Bellow form a metal seal to prevent leakage, and packing can provide seal if the bellow failed.

Overlay welded seat can keep reliable sealing under severe conditions.
Ergonomic hand wheel. It provide longer service life and easier operation.

TECHNICAL SPECIFICATION

DESIGN STANDARD
DIN EN 13709:2003
FACE TO FACE DIMENSION
DIN EN 558-1:1995

FLANGED ENDS
DIN EN 1092-1:2002
WELDED ENDS
DIN EN 12627
TEST & INSPECTION
DIN EN 12266:2003

APPLICATION

Thermal oil system, steam system, hot adn cold water system etc...

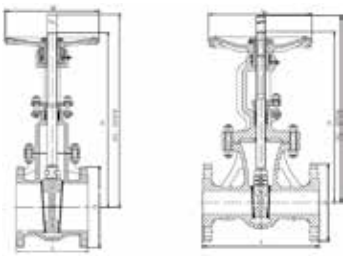
PRODUCT PARTS & MATERIALS

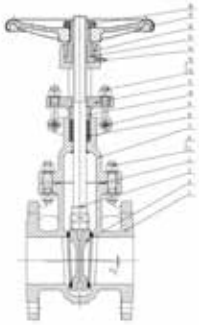
NO.	PART	MATERIAL		
1	BODY	GS-C25/1.0619	CF8/1.4301	CF8/1.4408
2	DISC	A105+13Cr	SS304	SS316
3	STEM	X20Cr13	SS304	SS316
4	BELLOWS	SS304/SS316/SS321/SS316Ti	SS304/SS316/SS321/SS316Ti	SS304/SS316/SS321/SS316Ti
5	GASKET	GRAPHITE+SS	GRAPHITE+SS	GRAPHITE+SS
6	NUT	A194 2H	A194 8	A194 8M
7	BOLT	A193 B7	A193 B8	A193 B8M
8	PACKING	GRAPHITE	GRAPHITE	GRAPHITE
9	GLAND	STEEL	STEEL	STEEL
10	BONNET	GS-C25/1.0619	CF8/1.4301	CF8/1.4408
11	GUIDE PIECE	C.S	C.S.	C.S.
12	STEM NUT	STEEL	COPPER ALLOY	COPPER ALLOY
13	HAND WHEEL	STEEL	STEEL	STEEL
14	LOCK NUT	A105	A105	A105

Notes: Above parts materials are usedf or conventional product. If there are special requirements, which canb e changed according to customer requirements. For example, the sealing can be Stellite.

MAIN DIMENSION (MM)

PN16																
Size DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
D	95	105	115	140	150	165	185	200	220	250	285	340	405	480	520	580
W	140	140	160	160	180	200	220	250	300	350	400	450	550	600	700	700
H	192	192	207	207	245	253	295	328	385	427	480	672	775	852	1005	1140
Weight(kg)	4	4.8	5.8	7.8	9.5	12.5	17	22	36	52	81	135	240	305	510	740
Stroke	8	8	10	10	12	15	17	22	28	34	40	60	75	85	100	110
Kvs(m3/h)	4.2	7.4	12	19	30	47	77	120	188	285	410	725	1140	1660	2230	2950
PN25																
Size DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
D	95	105	115	140	150	165	185	200	235	270	300	360	425	485	555	620
W	140	140	160	160	180	200	220	250	300	350	400	450	550	600	700	700
H	192	192	207	207	245	253	295	328	385	427	480	672	775	852	1005	1140
Weight(kg)	4	4.8	5.8	7.8	9.5	12.5	17	22	37	53	82	140	245	315	530	760
Stroke	8	8	10	10	12	15	17	22	28	34	40	60	75	85	100	110
Kvs(m3/h)	4.2	7.4	12	19	30	47	77	120	188	285	410	725	1140	1660	2230	2950
PN40																
Size DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
D	95	105	115	140	150	165	185	200	235	270	300	375	450	515	580	660
W	140	140	160	160	180	200	220	250	300	350	400	450	550	600	700	700
H	192	192	207	207	245	253	295	328	385	427	480	672	775	852	1005	1140
Weight(kg)	4	4.8	5.8	7.8	9.5	12.5	17.5	23	38	54	83	142	260	320	560	790
Stroke	8	8	10	10	12	15	17	22	28	34	40	60	75	85	100	110
Kvs(m3/h)	4.2	7.4	12	19	30	47	77	120	188	285	410	725	1140	1660	2230	2950





DESCRIPTION

PERFORMANCE ADVANTAGE
The valve body adopts investment casting technology. Advanced technology to ensure that the valve body has no sand holes, surface more smooth and quality more reliable. Overlay welded seat can keep reliable sealing under severe conditions. Ergonomic hand wheel. It provide longer service life and easier operation.

DESIGN FEATURE
Thermal oil system, steam system.

TECHNICAL SPECIFICATION
DESIGN STANDARD
DIN EN 13709:2003

FACE TO FACE DIMENSION
DIN EN 558-1:1995

FLANGED ENDS
DIN EN 1092-1:2002
WELDED ENDS
DIN EN 12627

TEST & INSPECTION
DIN EN 12266:2003

APPLICATION
Thermal oil system, steam system, hot adn cold water system etc...

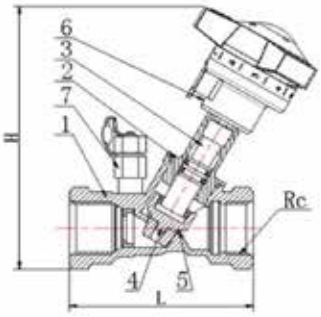
PRODUCT PARTS & MATERIALS

NO.	PART	MATERIAL		
1	BODY	GS-C25/1.0619+Cr	CF8/1.4301	CF8/1.4408
2	DISC	GS-C25+13Cr	SS304	SS316
3	STEM	X20Cr13	SS304	SS316
4	GASKET	GRAPHITE+SS	GRAPHITE+SS	GRAPHITE+SS
5	BOLT	A193 B7	A193 B8	A193 B8M
6	NUT	A194 2H	A194 8	A194 8M
7	BONNE	GS-C25/1.0619	CF8/1.4301	CF8/1.4408
8	PACKING	GRAPHITE	GRAPHITE	GRAPHITE
9	PIN	SS410	SS410	SS410
10	GLAND	A105	SS304	SS316
11	GLAND FLANGE	WCB	SS304	SS316
12	BOLT	A193 B7	A193 B8	A193 B8M
13	NUT	A194 2H	A194 8	A194 8M
14	GREASE NIPPLE	H2	H2	H2
15	STEM NUT	DUCTILE IRON	COPPER ALLOY	COPPER ALLOY
16	BEARING COVER	A105	SS304	SS316
17	HAND WHEEL	STEEL	STEEL	STEEL
18	LOCK NUT	A105	A105	A105

Notes: Above parts materials are usedf or conventional product. If there are special requirements, which canb e changed according to customer requirements. For example, the sealing can be Stellite.

MAIN DIMENSION (MM)

PN10/16---F4																		
Size DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
L RF/BW	150	170	180	190	200	210	230	250	270	290	310	330	350	390	430	470	510	550
W	160	180	180	200	220	220	250	300	350	400	450	450	450	450	500	600	-	-
H	350	420	500	520	610	700	900	1050	1200	1400	1580	1700	1900	2300	2600	3200	-	-
H1	415	495	580	620	720	840	1100	1300	1540	1750	1980	2150	2450	3000	3500	4100	-	-
kg	17	22	27	38	53	68	108	160	220	275	390	487	560	850	1250	1830	2290	3700
PN16---F5																		
Size DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
L RF/BW	250	270	280	300	325	350	400	450	500	550	600	650	700	800	900	1000	1100	1200
W	200	200	250	280	300	360	360	400	450	500	500	600	600	680	-	-	-	-
H	400	420	500	520	610	620	780	1050	1200	1400	1580	1750	1900	2300	2600	3200	4400	4700
H1	470	495	580	620	720	760	980	1300	1540	1750	1980	2200	2450	3000	3500	4100	5500	5900
kg	22	25	38	45	72	95	165	250	330	470	570	810	1180	1450	1800	2400	3050	3900
PN25---F5																		
Size DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
L RF/BW	250	270	280	300	325	350	400	450	500	550	600	650	700	800	900	1000	1100	1200
W	200	200	250	280	300	360	360	400	450	500	500	600	600	680	-	-	-	-
H	400	420	500	520	610	620	780	1050	1200	1400	1580	1750	1900	2300	2600	3200	4400	4700
H1	470	495	580	620	720	760	980	1300	1540	1750	1980	2200	2450	3000	3500	4100	5500	5900
kg	24	28	40	50	76	108	180	280	350	490	650	920	1250	1560	2030	2550	3870	4500
PN40---F7																		
Size DN	50	65	80	100	125	150	200	250	300	350	400	500	600	700	800	900	-	-
L RF/BW	250	290	310	350	400	450	550	650	750	850	950	1150	1350	1550	1750	1950	-	-
W	200	250	250	300	300	360	400	450	500	600	600	650	750	800	900	1000	-	-
H	377	390	418	489	541	630	824	915	1085	1190	1310	1560	1875	-	-	-	-	-
H1	427	455	500	590	665	780	1024	1165	1385	1540	1710	2070	2475	-	-	-	-	-
kg	25	33	45	59	78	116	225	360	515	710	950	1300	2100	3020	-	-	-	-
PN63---F7																		
Size DN	50	65	80	100	125	150	200	250	300	350	400	500	600	-	-	-	-	-
L RF/BW	250	290	310	350	400	450	550	650	750	850	950	1150	1350	-	-	-	-	-
W	200	250	250	300	300	360	400	450	500	600	600	700	800	-	-	-	-	-
H	450	500	540	670	685	810	970	1155	1330	1500	1680	2100	2400	-	-	-	-	-
H1	500	570	620	780	810	980	1180	1420	1660	1880	2100	2650	3100	-	-	-	-	-
kg	32	39	53	78	123	176	340	435	560	843	1310	1900	3700	-	-	-	-	-



DESCRIPTION

DESIGN STANDARD
BS7350

NOMINAL WORKING PRESSURE
PN25

SUITABLE MEDIUM
W.O.G.

SUITABLE TEMPERATURE
-20 °C - 120 °C

THREAD TYPE
GB/T 7306 (Rc/PT/BS21)

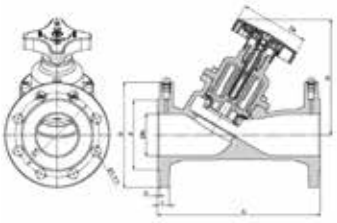
GOOD FLUX CHARACTERISTICS
Accurate controlling and regulation Memory function & shut-off function

MATERIALS

PART	MATERIAL
BODY	BRONZE (CC491K)
BONNET	HPb59-1
STEM	HPb59-1
DISC	HPb59-1
DISC SEAL RING	PTFE
HANDWHEEL	PLASTIC
TEST UNIT	HPb59-1

DIMENSION (MM)

DN	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50
Rc	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
L	87	96	100	114	125	146
H	105	106	127	128	143	144

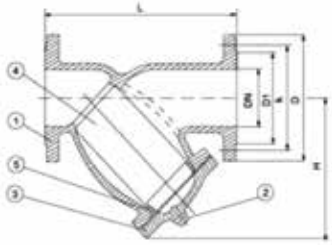


MATERIALS

NO.	PART	MATERIAL
1	BODY	EN GJL 250 5.1301 (EX JL 1040)
2	BONNET	CuZn36Pb2As
3	DISC	COMPOSITE MATERIAL
4	CONTROL RING	COMPOSITE MATERIAL
5	PRESSURE TAP	CuZn36Pb2As
6	DISC GASKET	EPDM
7	STEM	CuZn36Pb2As
8	SCREW	AS2
9	OPEN LIMITER	CuZn36Pb2As
10	TAP SCREW	CuZn36Pb2
11	HAND-WHEEL	POLIAMIDE PA6.6
12	NUT	Cu
13	CIRCLIP	
14/15/17	O-RING	EPDM
-	NOMINAL PRESSURE	16 BAR
-	MAX TEMPERATURE	120° C

DIMENSION (MM)

DN		A		D		K		c		Dk		H	L		n	Kvs
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	mm	inch	stz pcs	m3/h
40	1 1/2	200	8	127	5	98.4	3 7/8	18	11/16	74	2.9	230	16	5/8	4	22.36
50	2	230	9.05	152	6	121	4 3/4	19	3/4	74	2.9	230	19	3/4	4	32.15
65	2 1/2	290	11.4	178	7	139.7	5 1/2	22	7/8	130	5.1	220	19.05	3/4	4	88.8
80	3	310	12.2	191	7 1/2	152.4	6	24	15/16	130	5.1	220	19.05	3/4	4	113.4
100	4	350	13.8	229	9	190.5	7 1/2	24	15/16	130	5.1	240	19.05	3/4	8	184.7
125	5	400	15.8	254	10	215.9	8 1/2	24	15/16	130	5.1	250	22.35	7/8	8	285.1
150	6	480	18.9	279	11	241.3	9 1/2	26	1	130	5.1	285	22.35	7/8	8	390.2
200	8	600	23.6	343	13 1/2	299	11 3/4	29	1 1/8	310	12.2	480	22.35	7/8	8	710.0
250	10	730	28.7	406	16	362	14 1/4	30.5	1 3/16	310	12.2	525	25.4	1	12	1187.5
300	12	850	33.5	483	19	432	17	32	1 1/4	310	12.2	535	25.4	2	12	1504.1



DESCRIPTION

FACE TO FACE DIMENSIONS ACCORDING TO
DIN3202 F1

FLANGE DIMENSIONS ACCORDING TO
DIN2501 PN10/PN16

NOMINAL PRESSURE
PN10/PN16

The mesh of wire screen or the hole dimension of the perforated screen can be as per the customer's requirement

MATERIALS

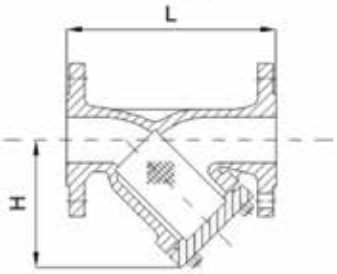
NO.	PART	MATERIAL	MATERIAL
1	BODY	CAST IRON OR DUCTILE IRON	GGG25 OR GGG40
2	PLUG	CAST IRON OR DUCTILE IRON OR STEEL	GGG25 OR GGG40
3	COVER	CAST IRON OR DUCTILE IRON	GGG25 OR GGG40
4	SCREEN	STAINLESS STEEL	304SS
5	GASKET	GRAPHITE OR RUBBER	

DIMENSION (MM)

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
≈H	72	80	90	105	105	170	205	210	235	270	310	390	430	500	670	780
D	95	105	115	140	150	165	185	200	220	250	285	340	405	460	520	580
K	65	75	85	100	110	125	145	160	180	210	240	295	355	410	470	525
D1	47	58	68	78	88	102	122	138	158	188	212	268	320	378	438	490

* Flange dimensions can be as per Bs10 Table D/E, JIS10K, etc...

Y STRAINER
PN 40



DESCRIPTION

FACE TO FACE DIMENSIONS ACCORDING TO
DIN3202 F1

SHEEL TEST
1.5 x PN

FLANGE DIMENSIONS ACCORDING TO
DIN2531-2545

MATERIALS

PART	CARBON STEEL	STAINLESS STEEL
BODY	GS-C25 WCB	AUSTENIC STAINLESS STEEL
COVER	GS-C25 WCB	AUSTENIC STAINLESS STEEL
SCREEN	SS304	AUSTENIC STAINLESS STEEL
STUD	B7	1Cr18Ni9Ti
NUT	H2	1Cr18Ni9Ti
GASKET	FLEXIBLE GRAPHITE + SS304	FLEXIBLE GRAPHITE + SS304

PLUG DIMENSION

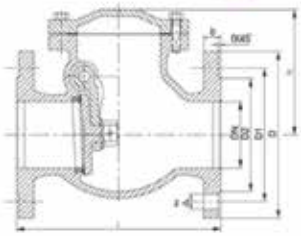
DN15-20	M10X1.5
DN25-32	M16X1.5
DN40-80	M27X1.5
DN100-150	M33X1.5
DN200-300	M48X2
DN350	M60X2

SCREEN DIMENSION

WATER	20-40 MESH
GAS	40-100 MESH
OIL	10-160 MESH

DIMENSION (MM)

DN		15	20	25	32	40	50	65	80	100	125	150	200	250	300
L		130	150	160	180	200	230	290	310	350	400	480	600	600	850
≈H		85	95	110	125	145	155	175	210	230	270	300	385	730	680
KG	PN 16	3.0	4.0	5.0	7.0	9.0	12.0	16.0	21.0	30.0	43.0	61.0	121.0	154.0	255.0
	PN 25	3.5	4.0	5.5	7.0	9.0	12.0	16.0	21.0	32.0	47.0	64.0	144.0	178.0	285.0
	PN 40	4.0	5.0	6.0	8.0	10.0	13.0	19.0	24.5	35.0	51.0	71.0	144.0	178.0	285.0
Kv		7	11	18	26	37	60	100	150	230	330	400	650	1200	1900



DESCRIPTION

WORKING TEMPERATURE
Brass seal ring 200°C
Rubber seal ring 80°C

FLANGE DIMENSIONS
DIN2533

FACE TO FACE DIMENSIONS
DIN 3202 F6

If special request, the valve can be with external Lever and counter Weight (L.W.)

Dn450 & large size are only ductile iron body & bonnet.

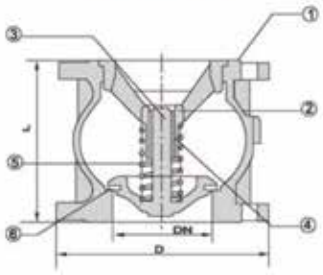
Dn700 & large size are with 2 discs & door

MATERIALS

PART	MATERIAL
BODY & BONNET	CAST IRON
SEAT	BRASS
DISC	C.I. W/BRASS OR RUBBER RING
HANGER	DUCTILE IRON
HANGER PIN	CARBON STEEL/SS

DIMENSION (MM)

DN (mm)	L	D	D1	D2	b	f	Z-d	H
40	180	150	110	88	18	3	4-19	114
50	200	165	125	102	20	3	4-19	127
65	240	185	145	122	20	3	4-19	137
80	260	200	160	138	22	3	8-19	150
100	300	220	180	158	22	3	8-19	164
125	350	250	210	184	24	3	8-19	185
150	400	285	240	212	24	3	8-19	205
200	500	340	295	268	26	3	12-28	249
250	600	405	355	320	28	3	12-28	305
300	700	460	410	370	28	4	12-28	333
350	800	520	470	430	30	4	16-28	378
400	900	580	525	490	28	4	16-30	405
450	1000	640	585	550	30	4	20-30	512
500	1100	715	650	610	31.5	4	20-33	525
600	1300	840	770	725	36	5	20-37	608
700	1500	910	840	793	39.5	5	24-37	-
800	1700	1025	950	900	43	5	24-40	-
900	1900	1125	1050	1000	46.5	5	28-40	-



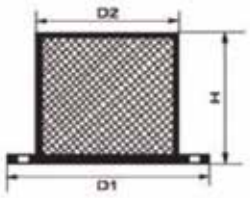
MATERIALS

NO.	PART	MATERIAL
1	BODY	CAST IRON GG25
2	GUIDE	DUCTILE IRON GGG40 OR BRASS
3	GUIDING STEM	SS GGG40 OR BRASS
4	BUSHING	BRASS/PTFE
5	SPRING	STAINLESS STEEL 304/316
6	SEAL	NBR/EPDM/VITON

2*: ONLY 2", 2 1/2", 3", 4" CAN BE BRASS

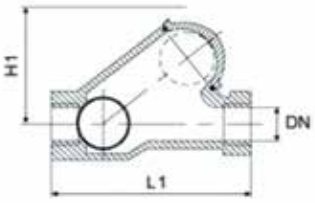
DIMENSION (MM)

DN (mm)	L	D	D1	D2	H
50	100	165	156	111	80
65	120	185	176	131	100
80	140	200	192	148	120
100	170	220	212	168	150
125	200	250	242	198	175
150	230	285	276	222	200
200	300	340	332	278	250
250	370	405	385	329	300
300	410	460	445	384	350



SCREEN

FOOT VALVE
DN40 / DN350



DESCRIPTION

Silent closign, no water hammer.

Full bore flow, large flow, small resistence.

Loss of water head is 50% lower than swing check valves.

INSTALLATION
horizontal or vertical

WORKING TEMPERATURE
-10°C - +80°C

MEDIUM
Water, sewage heavy thick and viscous liquid

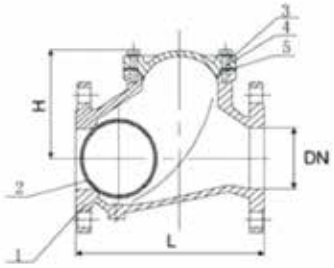
MATERIALS

NO.	PART	MATERIAL
1	BODY	GG25/GGG40
2	BALL	METAL+RUBBER NBR/EPDM
3	COVER	GG25/GGG40
4	BOLT	SS
5	NUT	SS
6	O-RING	NBR/EPDM
7	O-RING	NBR/EPDM

DIMENSION (MM)

SIZE	1"	1 - 1 1/4"	1 1/2"	2"	2 1/2"	3"
L1 (mm)	125	132	145	174	200	243
H1 (mm)	75	75	85	116	116	160

BALL CHECK VALVE
FLANGED



DESCRIPTION

Silent closign, no water hammer.

Full bore flow, large flow, small resistence.

Loss of water head is 50% lower than swing check valves.

INSTALLATION
horizontal or vertical

WORKING TEMPERATURE
-10°C - +80°C

MEDIUM
Water, sewage heavy thick and viscous liquid

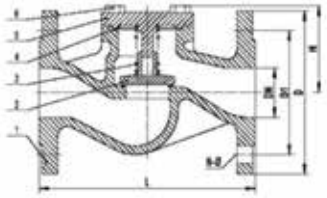
MATERIALS

NO.	PART	MATERIAL
1	BODY	GG25/GGG40
2	BALL	METAL+RUBBER NBR/EPDM
3	COVER	GG25/GGG40
4	BOLT	SS
5	NUT	SS
6	O-RING	NBR/EPDM
7	O-RING	NBR/EPDM

DIMENSION (MM)

DN		50	65	80	100	125	150	200	250	300	350	400	500
L1 (mm)	3202 F6	200	240	260	300	350	400	500	600	700	800	900	1100
	ASME B16.10	203	216	241	292	330	356	495	622	698	787		
≈H (mm)		106	129	146	194	207	240	322	388	458	620	705	765

FLANGES CAN BE AS DIN2501, Bs4504, ANSI CL 125, etc...



DESCRIPTION

AVAILABLE MEDIUM
Water, steam

WORKING TEMPERATURE
200°C

FLANGE DIMENSIONS
DIN2533

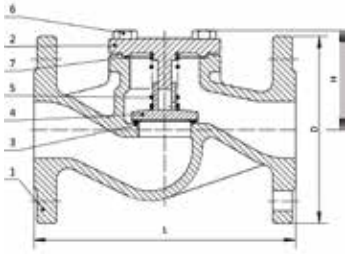
FACE TI FACE DIMENSIONS
DIN3202 F1

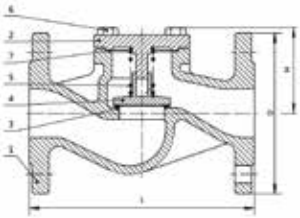
MATERIALS

PART	MATERIAL
BODY	GREY CAST IRON / GG25
BONNET	GREY CAST IRON / GG25
DISC	SS / CAST BRASS
SEAT RING	SS / CAST BRASS

DIMENSION (MM)

DN (mm)	L	D	D1	D2	b	n-d	f	H	KGS
20	150	105	75	55	16	4-14	2	73	3.3
25	160	115	85	65	16	4-14	2	75	3.9
32	180	140	100	78	18	4-18	2	84	6.3
40	200	150	110	88	18	4-18	3	95	7.8
50	230	165	125	102	20	4-18	3	109	11.1
65	290	185	145	122	20	4-18	3	129	15.5
80	310	200	160	138	22	8-18	3	153	26.3
100	350	220	180	158	24	8-18	3	170	44.9
125	400	250	210	188	26	8-18	3	200	51.2
150	480	285	240	212	28	8-23	3	235	77.8
200	600	340	295	268	30	12-23	3	398	132.6
250	730	405	355	320	32	12-27	3	485	189.6





DESCRIPTION

PERFORMANCE ADVANTAGE

Lift check valve is an automatic seal valve, the valve open/close relies on the flow of fluid. Effectively prevent media from flowing backwards.

The disc with S.S. spring can keep the valve work in any direction.

Reasonable product structure, reliable sealing and long service life.

TECHNICAL SPECIFICATION

DESIGN STANDARD
DIN EN 13709:2003

FACE TO FACE DIMENSION
DIN EN 558-1:1995

FLANGED ENDS
DIN EN 1092-1:2002

WELDED ENDS
DIN EN 12627

TEST & INSPECTION
DIN EN 12266:2003

APPLICATION

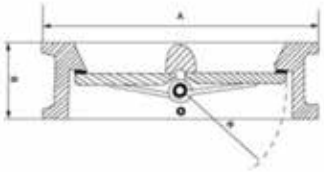
Thermal oil system, steam system, hot adn cold water system etc...

PRODUCT PARTS & MATERIALS

NO.	PART	MATERIAL		
1	BODY	GS-C25/1.0619+Cr	CF8/1.4301	CF8/1.4408
2	BONNET	GS-C25/1.0619+Cr	CF8/1.4301	CF8/1.4408
3	SEAT	OVERLAY 13Cr	SS304	SS316
4	DISC SURFACE	OVERLAY 13Cr	SS304	SS316
5	SPRING	SS304	SS304	SS316
6	BOLT	A193 B7	A193 B8	A193 B8M
7	GASKET	GRAPHITE+SS	GRAPHITE+SS	GRAPHITE+SS

MAIN DIMENSION (MM)

PN16/PN25/PN40																	
Size DN		15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW		130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
H		69	70	75	78	85	90	110	125	150	185	285	340	400	445	490	595
Weight (Kg)	PN16	2.8	3.5	4.2	5.5	7.5	9.5	13	17.5	29	40	60	116	210	300	430	670
	PN25	2.8	3.5	4.2	5.5	7.5	9.5	14	19	32	48	73	128	240	320	480	700
	PN40	2.8	3.5	4.2	5.5	7.5	9.5	14	20	33	48	73	135	250	340	500	720
. Y V P K		3.9	6.9	11	17.6	28	43	71	112	174	267	380	670	1060	1514	2060	2690



DESCRIPTION

SUITABLE TEMPERATURE °C	NBR: -10 - +80 °C
	EPDM: -10 - +120 °C
	VITON: -10 - +150 °C
MEDIUM	FRESH WATER, SEA WATER, WASTE WATER, FOOD STUFF
	STEAM, OIL, WEAK ACID & ALCALINE LIQUID, etc...

MATERIALS

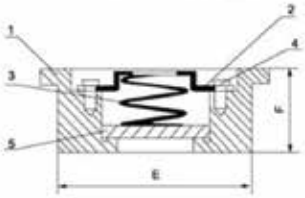
PART	MATERIAL
BODY*	CAST IRON
	DUCTILE IRON
	STAINLESS STEEL
	STEEL
DISC	STAINLESS STEEL
	AL. BRONZE
	CARBON STEEL
SEAT GASKET	RUBBER
AXLE	STAINLESS STEEL
SPRING	STAINLESS STEEL
WASHER	TEFLON

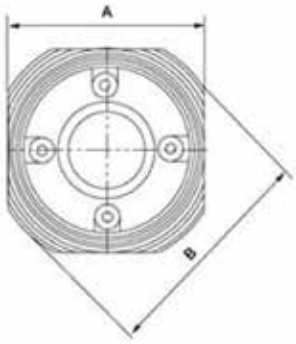
DIMENSION (MM)

DN	A			B (EN558-1)		R	CV
	DIN2501 PN16/PN25	TABLE D	ANSI 125/150	SERIES 16	SERIES 50		
50	109/109	98	4-1/8"	43	54(2-1/8")	28.28	80
65	129/129	111	4-7/8"	46	54(2-1/8")	36.1	90
80	144/144	130	5-3/8"	64	57(2-1/4")	43.4	150
100	164/170	162	6-7/8"	64	64(2-1/2")	52.8	300
125	194/196	194	7-3/4"	70	70(2-3/4")	65.7	500
150	220/226	219	8-3/4"	76	76(3")	78.6	900
200	275/286	276	11"	89	95(3-3/4")	104.4	1700
250	330/343	337	13-3/8"	114	108(4-1/4")	127	3000
300	380/403	387	16-1/8"	114	143(5-5/8")	147	4000
350	438/446	448	17-3/4"	127	184(7-1/4")	172.4	5350
400	489/498	499	20-1/4"	140	191(7-1/2")	197.4	7400
450	532/550	562	21-5/8"	152	203(8")	217.8	10000
500	585/610	619	23-7/8"	152	213(8-3/8")	241	13000
600	690/720	731	28-1/4"	178	222(8-3/4")	295.4	24000

* DN 350 - DN 600 ONLY FOR PN10/PN16

DISK CHECK VALVE WAFER
TYPE PN 6-40





MATERIALS

NO.	PART	MATERIAL
1	BODY	CF8M/WCB
2	SPRING COVER	316SS/CARBON STEEL
3	SPRING COVER	316SS
4	BOLTS	316SS
5	DISC	CF8M/WCB

NORMAL PRESSURE	PN25	PN40
SHEEL TEST PRESSURE	3.75 MPa	6.0Mpa
SEAL TEST PRESSURE	2.75 MPa	4.4Mpa

DIMENSION (MM)

DN	A	B	E	F
15	45	53	43	16
20	55	63	53	19
25	65	73	63	22
32	78	84	75	28
40	88	94	86	31.5
50	98	109	95	40
65	118	129	115	46
80	134	144	131	50
100	154	170	151	60
125	-	194	-	90
150	-	224	-	106
200	-	286	-	140

DESCRIPTION

DESIGN AND MANUFACTURE
API6D

FACE TO FACE
API6D

TEST AND CHECK
API598

SUITABLE TEMPERATURE
NBR -10- +80°C
EPDM -10- +120°C
VITON -10- +120°C

MEDIUM
Fresh water, sea water, waste water, food stuff, all kinds of oil, weak acid and alkaline liquid, etc...

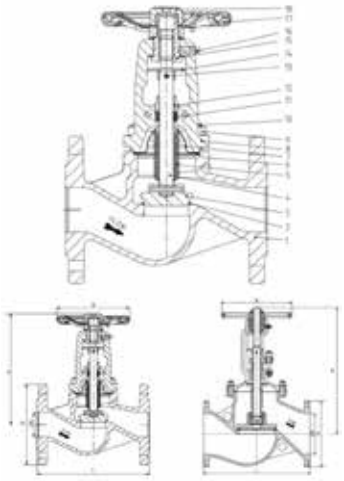
MATERIALS

PART	TYPE A	TYPE B
BODY	*STEEL	316SS
DISC	*STEEL	316SS
SEAT RING	NBR/EPDM	VITON
FLANGE RING	NBR/EPDM	VITON

*STEEL IS GALVANIZED OR CHROME PLATED

DIMENSION (MM)

DN	D			P	L	
	PN16	TABLE D	ANSI 125/150		PN 16	ANSI 150
40	92	85	82	22	14	19
50	107	96	104	32	14	19
65	127	109	124	40	14	19
80	142	128	136	54	14	19
100	162	160	174	70	18	19
125	192	191	196	92	18	19
150	218	217	222	114	20	19
200	273	274	279	154	22	29
250	329	333	340	200	26	29
300	384	384	410	235	28	38
350	444	445	451	280	38	44
400	491	496	514	316	44	51
450	550	555	546	360	50	60
500	610	610	603	405	56	64
600	724	720	714	486	62	70



DESCRIPTION

PERFORMANCE ADVANTAGE
Bellow is the key part of bellow sealed valves,which is welded to both the valve bonnet and valve stem, with automatic roll welding. The metal bellow can keep the stem part 100% no leakage.
Double seal design (bellows + packing). Bellow form a metal seal to prevent leakage, and packing can provide seal if the bellow failed.
Overlay welded seat can keep reliable sealing under severe conditions.
Ergonomic hand wheel. It provide longer service life and easier operation.

TECHNICAL SPECIFICATION
DESIGN STANDARD
DIN EN 13709:2003

FACE TO FACE DIMENSION
DIN EN 558-1:1995

FLANGED ENDS
DIN EN 1092-1:2002

WELDED ENDS
DIN EN 12627

TEST & INSPECTION
DIN EN 12266:2003

APPLICATION
Thermal oil system, steam system, hot adn cold water system etc...

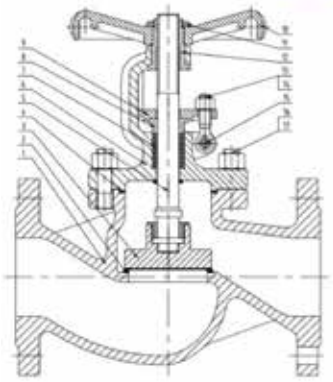
PRODUCT PARTS & MATERIALS

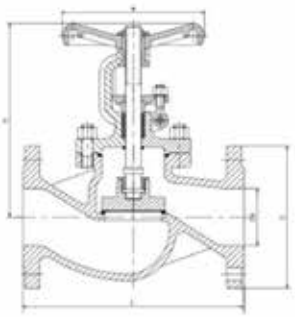
NO.	PART	MATERIAL		
1	BODY	GS-C25/1.0619	CF8/1.4301	CF8/1.4408
2	SEAT	OVERLAY 13Cr	SS304	SS316
3	DISC SURFACE	OVERLAY 13Cr	SS304	SS316
4	STEM	X20Cr13	SS304	SS316
5	BELLOWS	SS304/SS316/SS321/SS316Ti	SS304/SS316/SS321/SS316Ti	SS304/SS316/SS321/SS316Ti
6	GASKET	GRAPHITE+SS	GRAPHITE+SS	GRAPHITE+SS
7	BELLOWS COVER	SS304/SS316	SS304/SS316	SS316
8	BONNET	GS-C25/1.0619	CF8/8.4308	CF8M/4408
9	NUT	A194 2H	A194 8	A194 8M
10	BOLD	A193 B7	A193 B8	A193 B8M
11	PACKING	GRAPHITE	GRAPHITE	GRAPHITE
12	GLAND	C.S.	CF8	CF8M
13	PIN	STEEL	STEEL	STEEL
14	GUIDE PIECE	STEEL	STEEL	STEEL
15	STEM NUT	DUCTILE IRON	COPPER ALLOY	COPPER ALLOY
16	GREASE NIPPLE	H2	H2	H2
17	HAND WHEEL	STEEL	STEEL	STEEL
18	LOCK NUT	A105	A105	A105

Notes: Above parts materials are usedfor conventional product.If there are special requirements, which canbe changed according to customer requirements. For example, the sealing canbe Stellite.

MAIN DIMENSION (MM)

Fig.VK811 PN16																
Size DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
D	95	105	115	140	150	165	185	200	220	250	285	340	405	480	520	580
W	140	140	160	160	180	200	220	250	300	350	400	450	550	600	700	700
H	192	192	207	207	245	253	295	328	385	427	480	672	775	852	1005	1140
Weight(kg)	4	4.8	5.8	7.8	9.5	12.5	17	22	36	52	81	135	240	305	510	740
Stroke	8	8	10	10	12	15	17	22	28	34	40	60	75	85	100	110
Kvs(m3/h)	4.2	7.4	12	19	30	47	77	120	188	285	410	725	1140	1660	2230	2950
Fig.VK812 PN25																
Size DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
D	95	105	115	140	150	165	185	200	220	270	300	360	425	485	555	620
W	140	140	160	160	180	200	220	250	300	350	400	450	550	600	700	700
H	192	192	207	207	245	253	295	328	385	427	480	672	775	852	1005	1140
Weight(kg)	4	4.8	5.8	7.8	9.5	12.5	17	22	37	53	82	140	245	315	530	780
Stroke	8	8	10	10	12	15	17	22	28	34	40	60	75	85	100	110
Kvs(m3/h)	4.2	7.4	12	19	30	47	77	120	188	285	410	725	1140	1660	2230	2950
Fig.VK813 PN40																
Size DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
D	95	105	115	140	150	165	185	200	235	270	300	375	450	515	580	660
W	140	140	160	160	180	200	220	250	300	350	400	450	550	600	700	700
H	192	192	207	207	245	253	295	328	385	427	480	672	775	852	1005	1140
Weight(kg)	4	4.8	5.8	7.8	9.5	12.5	17.5	23	38	54	83	142	260	320	560	820
Stroke	8	8	10	10	12	15	17	22	28	34	40	60	75	85	100	110
Kvs(m3/h)	4.2	7.4	12	19	30	47	77	120	188	285	410	725	1140	1660	2230	2950





DESCRIPTION

PERFORMANCE ADVANTAGE
The valve body adopts investment casting technology. Advanced technology to ensure thet the valve body has no sand holes, surface more smooth and quality more reliable.
Back seat structure. In the fully open position, back seat will form a extrasea ling, with stroke e locate and anti-vibration function.
Overlay welded seat can keep reliable sealing under severe conditions.

Ergonomic hand wheel. It provide longer service life and easier operation.

TECHNICAL SPECIFICATION
DESIGN STANDARD
DIN EN 13709:2003

FACE TO FACE DIMENSION
DIN EN 558-1:1995

FLANGED ENDS
DIN EN 1092-1:2002

WELDED ENDS
DIN EN 12627

TEST & INSPECTION
DIN EN 12266:2003

APPLICATION
Thermal oil system, steam system, hot adn cold water system etc...

PRODUCT PARTS & MATERIALS

NO.	PART	MATERIAL		
1	BODY	GS-C25/1.0619	CF8/1.4301	CF8/1.4408
2	SEAT	OVERLAY 13Cr	SS304	SS316
3	DISC SURFACE	OVERLAY 13Cr	SS304	SS316
4	GASKET	GRAPHITE+SS	GRAPHITE+SS	GRAPHITE+SS
5	STEM	X20Cr13	SS304	SS316
6	BONNET	GS-C25/1.0619	CF8/1.4301	CF8M/1.4408
7	PACKING	GRAPHITE	GRAPHITE	GRAPHITE
8	GLAND	WCB	CF8/1.4301	CF8M/1.4408
9	GLAND FLANGE	WCB	CF8/1.4301	CF8M/1.4408
10	HAND WHEEL	STEEL	STEEL	STEEL
11	LOCK NUT	STEEL	A194 8	A194 8
12	STEM NUT	DUCTILE IRON	COPPER ALLOY	COPPER ALLOY
13	EYEBOLT	A193 B7	A193 B8	A193 B8M
14	NUT	A194 2H	A194 8	A194 8M
15	PIN	STEEL	STEEL	STEEL
16	BONNET BOLT	A193 B7	A193 B8	A193 B8M
17	BONNET NUT	A194 2H	A194 8	A194 8M

Notes: Above parts materials are usedf or conventional product. If there are special requirements, which canb e changed according to customer requirements. For example, the sealing can be Stellite.

MAIN DIMENSION (MM)

Fig.VK911 PN16																	
Size DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
D	95	105	115	140	150	165	185	200	220	250	285	340	405	480	520	580
W	140	140	160	160	180	200	220	250	300	350	400	450	550	600	700	700
H	195	195	215	219	247	256	282	305	385	430	470	650	775	852	1005	1140
Weight(kg)	4.2	5.1	6.2	8.2	9.8	13	17.5	23	37	53	82	140	252	310	540	760
Kvs(m3/h)	4.2	7.4	12	19	30	47	77	120	188	285	410	725	1140	1660	2230	2950
Fig.VK912 PN25																	
Size DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
D	95	105	115	140	150	165	185	200	235	270	300	360	425	485	555	620
W	140	140	160	160	180	200	220	250	300	350	400	450	550	600	700	700
H	195	195	215	219	247	256	282	305	385	430	470	650	775	852	1005	1140
Weight(kg)	4.2	5.1	6.2	8.2	9.8	13	18	24	38	55	85	146	265	330	580	790
Kvs(m3/h)	4.2	7.4	12	19	30	47	77	120	188	285	410	725	1140	1660	2230	2950
Fig.VK913 PN40																	
Size DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
D	95	105	115	140	150	165	185	200	235	270	300	375	450	515	580	660
W	140	140	160	160	180	200	220	250	300	350	400	450	550	600	700	700
H	195	195	215	219	247	256	282	305	385	430	470	650	775	852	1005	1140
Weight(kg)	4.2	5.1	6.2	8.2	9.8	13	19	25	40	57	88	148	280	350	620	830
Kvs(m3/h)	4.2	7.4	12	19	30	47	77	120	188	285	410	725	1140	1660	2230	2950

QUALITY AND PERFORMANCE

Steffenini Italian Valves is a company for over 20 years in the sale of products for **oil & gas**, **power**, **steel mills**, **foundries and petrochemicals**.
Present in the markets of all continents thanks to an expert staff e particularly present and extended on territories of its competence.

Specialized in the production of **valves** for all standards, sizes, ratings and materials.

The company is active **24/24 hours**, **7/7 days** with a staff always ready to give support with technical info and commercial quotations within 24 hours.
Internal engineering department provides for the issue of specific drawings to support the projects based on requests from its customers.

The quality department follows all orders up to on delivery and qualified internal inspectors verify and inspect the outgoing material providing the relative acceptance reports.

TESTS AND INSPECTIONS

Steffenini Italian Valves counts qualified and certified staff able to provide controls and test in output for all product, such as:

Hydro & Air
NDE
PMI
UT/RT
VISUAL
LP
and many others at the request of the customer and according to the type of product sold.

Steffenini Italian Valves srl

via Agro Castello, 20
24020 Casnigo, Bergamo

info@sivalves.it
www.sivalves.it

STEFFENINI
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