

AUT

VALVE FLOW



CÔNG TY TNHH THƯƠNG MẠI & XUẤT NHẬP KHẨU HT VIỆT NAM

Trụ sở: Số 1A38 đường Tây Mỗ, Phường Tây Mỗ, Quận Nam Từ Liêm, Hà Nội

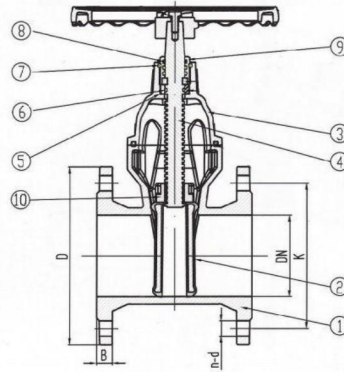
VPGD: Số 14/4/172 Đại Từ, Đại Kim, Hoàng Mai, Hà Nội

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Resilient Seat Gate Valve BS5163 TYPE A PN10 / PN16 / PN25



BODY MARKING

AUT
BS 5163

FRONT

DCI
DN100
PN16

BACK

Parts

No.	Parts name	Material	Standard	Grade	Technical Information			
					Norminal Pressure	PN10	PN16	PN25
1	Body	Ductile iron	BS 2789	500/7	Shell pressure	15bars	24bars	37.5bars
2	Disc	Ductile iron covered rubber	BS 2789 / BS 2494	500/7 / EPDM	Seat pressure	11bars	17.6bars	27.5bars
3	Bonnet	Ductile iron	BS 2789	500/7	Max .Temp	80 °C		
4	Stem	SS420	BS 970 - part 1	431S29				
5-8	O-ring	NBR	BS 2494	EPDM				
9	Thrust nut	Brass						
10	Stem nut	Brass						

Designs

1	Design according to BS 5163:2004/ EN1171/ EN1074
2	Face to face according to EN558-1/ ASME B16.10/ AS2638
3	Flange drilled according to BS 4504 PN10, PN16, PN25
4	Inspection and test according to EN 12266
5	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

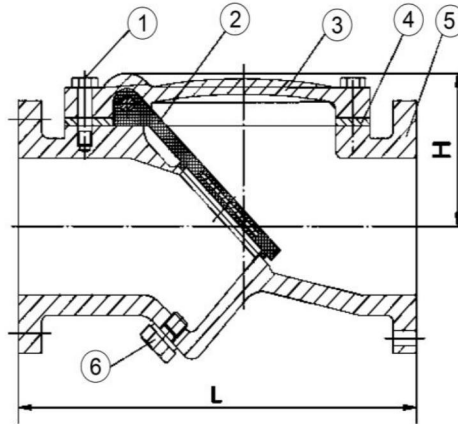
Dimensions

Unit : mm

DN	L	H	ØM	Dimensions of Flange (PN10 / PN16 / PN25)			
				Dia. of flange (ØD)	Nos. of hole (n)	Dia. of hole (d)	P.C.D. (ØK)
				PN10 / PN16 / PN25	PN10 / PN16 / PN25	PN10 / PN16 / PN25	PN10 / PN16 / PN25
DN40	165	190	200	150 / 150 / 150	4 / 4 / 4	18 / 18 / 19	110 / 110 / 110
DN50	178	215	200	165 / 165 / 165	4 / 4 / 4	18 / 18 / 19	125 / 125 / 125
DN65	190	235	200	185 / 185 / 185	4 / 4 / 8	18 / 18 / 19	145 / 145 / 145
DN80	203	254	254	200 / 200 / 200	8 / 8 / 8	18 / 18 / 19	160 / 160 / 160
DN100	229	315	254	220 / 220 / 235	8 / 8 / 8	18 / 18 / 23	180 / 180 / 190
DN125	254	350	315	250 / 250 / 270	8 / 8 / 8	18 / 18 / 28	210 / 210 / 220
DN150	267	385	315	285 / 285 / 300	8 / 8 / 8	22 / 22 / 28	240 / 240 / 250
DN200	292	485	315	340 / 340 / 360	8 / 12 / 12	22 / 22 / 28	295 / 295 / 310
DN250	330	600	406	395 / 405 / 425	12 / 12 / 12	22 / 26 / 31	350 / 355 / 370
DN300	356	680	406	445 / 460 / 485	12 / 12 / 16	22 / 26 / 31	400 / 410 / 430
DN350	381	810	500	505 / 520 / 555	16 / 16 / 16	22 / 26 / 33	460 / 470 / 490
DN400	406	890	500	565 / 580 / 620	16 / 16 / 16	26 / 30 / 36	515 / 525 / 550
DN450	432	1050	500	615 / 640 / 670	20 / 20 / 20	26 / 30 / 36	565 / 585 / 600
DN500	457	1230	650	670 / 715 / 730	20 / 20 / 20	26 / 34 / 36	615 / 650 / 660
DN600	508	1260	650	780 / 840 / 845	20 / 20 / 20	30 / 36 / 39	725 / 770 / 770

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Resilient Seat Swing Check Valve BS5153 PN10 / PN16 (45 degree)



BODY MARKING

AUT
BS 5163

FRONT

DN100
PN16
GGG50

←
BACK

Parts

No.	Parts name	Material	Standard	Grade	Technical Information		
1	Bolts	Carbon steel	BS 1769	A3	Norminal Pressure	PN10	PN16
2	Disc	Ductile iron covered rubber	BS 2789 / BS 2494	500/7 / EPDM	Shell pressure	15bars	24bars
3	Bonnet	Ductile iron	BS 2789	500/7	Seat pressure	11bars	17.6bars
4	Gasket	Synthetic Rubber	BS 2494	EPDM	Max .Temp	70 °C	
5	Body	Ductile iron	BS 2789	500/7			
6	Plug	Carbon steel	BS 1769	A3			

Designs

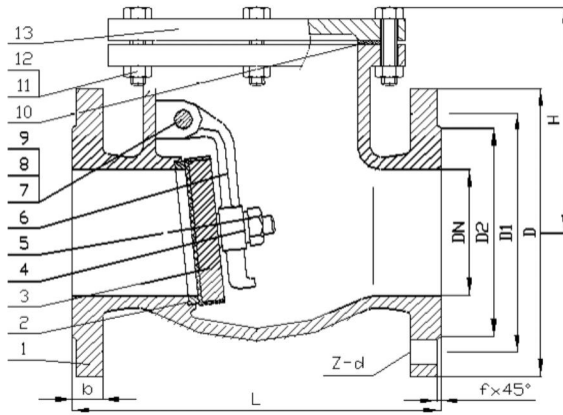
1	Design according to BS 5153
2	Flange face to face according to ANSI B16.10 / BS 1868
3	Flange drilled according to BS 4504 PN10, PN16
4	Inspection and test according to EN 12266
5	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

Unit : mm

DN	L	Dimensions of Flange (PN10 / PN16)			
		Dia. of flange	Nos. of hole	Dia. of hole	P.C.D.
		PN10 / PN16	PN10 / PN16	PN10 / PN16	PN10 / PN16
50	203	165 / 165	4 / 4	19 / 19	125 / 125
65	216	185 / 185	4 / 4	19 / 19	145 / 145
80	241	200 / 200	4 / 4	19 / 19	160 / 160
100	292	220 / 220	8 / 8	19 / 19	180 / 180
125	330	250 / 250	8 / 8	22 / 22	210 / 210
150	356	285 / 285	8 / 8	22 / 22	240 / 240
200	495	340 / 340	8 / 8	22 / 22	295 / 295
250	622	395 / 405	12 / 12	25 / 25	350 / 355
300	698	445 / 460	12 / 12	25 / 25	400 / 410
350	787	505 / 520	16 / 16	22 / 26	460 / 470
400	914	565 / 580	16 / 16	26 / 30	515 / 525
450	965	615 / 640	20 / 20	26 / 30	565 / 585
500	1067	670 / 715	20 / 20	26 / 34	615 / 650
600	1295	780 / 840	20 / 20	30 / 36	725 / 770
700	1448	910 / 910	24 / 24	30 / 36	840 / 840
800	1295	1015 / 1025	24 / 24	33 / 39	950 / 950

Resilient Seat Swing Check Valve BS5153 PN10 / PN16 (90 degree)



BODY MARKING

AUT
BS 5153
Heat Number
FIG 102

FRONT

DN100
PN16
DI

BACK

Parts

No.	Parts name	Material	Standard	Grade	Technical Information		
1	Body	Ductile Iron	BS 2789	500/7	Norminal Pressure	PN10	PN16
2	Body Seat Ring	Bronze	BS 1400	LG2	Shell pressure	15bars	24bars
3	Disc	Ductile iron covered rubber	BS 2789 / BS 2494	500/7 / EPDM	Seat pressure	11bars	17.6bars
4	Washer	Carbon Steel	BS 1769	A3	Max .Temp	80 °C	
5	Locking Nut	Carbon Steel	BS 1769	A3			
6	Arm	Ductile Iron	BS 2789	500/7			
7	Hinge	Brass	BS 2874	CA104			
8	Plug	Carbon Steel	BS 1769	A3			
9	Gasket	Synthetic Rubber	BS 2494	EPDM			
10	Gasket	Graphite					
11	Bolt	Carbon Steel	BS 1769	A3			
12	Nut	Carbon Steel	BS 1769	A3			
13	Bonnet	Ductile Iron	BS 2789	500/7			

Designs

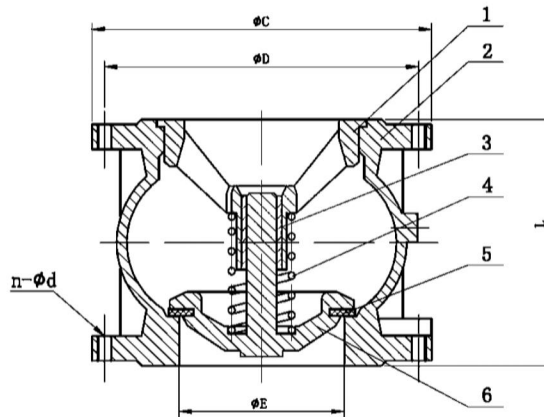
1	Design according to BS 5153
2	Flange face to face according to ANSI B16.10 / BS 1868
3	Flange drilled according to BS 4504 PN10, PN16
4	Inspection and test according to EN 12266
5	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

Unit : mm

DN	L	H	Dimensions of Flange (PN10 / PN16)						
			Dia. of flange	Nos. of hole	Dia. of hole	P.C.D.	D2	b	f
			PN10 / PN16	PN10 / PN16	PN10 / PN16	PN10 / PN16	PN10 / PN16	PN10 / PN16	PN10 / PN16
50	203	136	165 / 165	4 / 4	18 / 18	125 / 125	102 / 102	18 / 18	3 / 3
65	216	147	185 / 185	4 / 8	18 / 18	145 / 145	122 / 122	18 / 18	3 / 3
80	241	158	200 / 200	4 / 8	18 / 18	160 / 160	138 / 138	20 / 20	3 / 3
100	292	184	220 / 220	8 / 8	18 / 18	180 / 180	158 / 158	20 / 20	3 / 3
125	330	212	250 / 250	8 / 8	18 / 18	210 / 210	188 / 188	22 / 22	3 / 3
150	356	227	285 / 285	8 / 8	22 / 22	240 / 240	212 / 212	22 / 22	3 / 3
200	495	263	340 / 340	8 / 12	22 / 22	295 / 295	268 / 268	24 / 24	3 / 3
250	622	304	395 / 405	12 / 12	22 / 26	350 / 355	320 / 320	26 / 26	3 / 3
300	698	335	445 / 460	12 / 12	22 / 26	400 / 410	370 / 378	26 / 28	4 / 4
350	787	355	505 / 520	16 / 16	22 / 26	460 / 470	430 / 438	26 / 30	4 / 4
400	914	394	565 / 580	16 / 16	26 / 30	515 / 525	482 / 490	26 / 32	4 / 4

Resilient Seat Silent Check Valve PN10 / PN16 / PN25 (Flanged End)



BODY MARKING

AUT
Heat Number
FIG 103

FRONT

DI
DN100
PN16

BACK

Parts

No.	Parts name	Material	Standard	Grade	Technical Information			
					Norminal Pressure	PN10	PN16	PN25
1	Guide	Ductile Iron	BS 2789	420/12	Shell pressure	15bars	24bars	37.5bars
2	Body	Ductile iron	BS 2789	420/12	Seat pressure	11bars	17.6bars	27.5bars
3	Guide Stem	PTFE			Max .Temp	70 °C		
4	Spring	Stainless Steel	BS 970 - part 1	SS 316				
5	Seal	Synthetic Rubber	BS 2494	EPDM				
6	Disc	Ductile Iron	BS 2789	420/12				

Designs

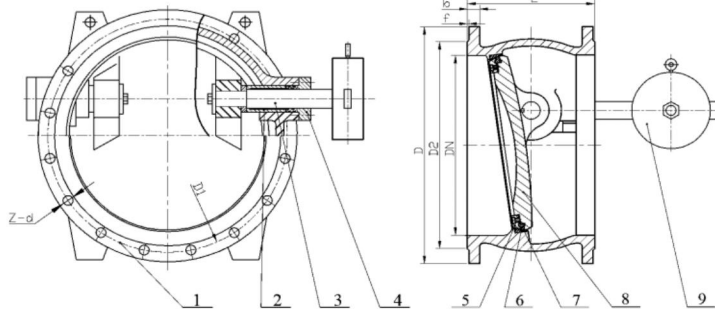
1	Design according to EN12334, ASME B16.1, ASME B16.42.
2	Flange drilled according to BS 4504 / EN1092-2 / JIS B2212 PN10, PN16, PN25
3	Inspection and test according to EN 12266
4	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

Unit : mm

DN	L	Dimensions of Flange (PN10 / PN16 / PN25)				
		ϕE	ϕC	ϕD	n	ϕd
		PN10 / PN16 / PN25	PN10 / PN16 / PN25	PN10 / PN16 / PN25	PN10 / PN16 / PN25	PN10 / PN16 / PN25
50	100	50 / 50 / 50	165 / 165 / 165	125 / 125 / 125	4 / 4 / 4	18 / 18 / 18
65	120	65 / 65 / 65	185 / 185 / 185	145 / 145 / 145	4 / 4 / 8	18 / 18 / 18
80	140	80 / 80 / 80	200 / 200 / 200	160 / 160 / 160	8 / 8 / 8	18 / 18 / 18
100	170	105 / 105 / 105	220 / 220 / 235	180 / 180 / 190	8 / 8 / 8	18 / 18 / 22
125	200	127 / 127 / 127	250 / 250 / 270	210 / 210 / 220	8 / 8 / 8	18 / 18 / 26
150	230	145 / 145 / 145	285 / 285 / 300	240 / 240 / 250	8 / 8 / 8	22 / 22 / 26
200	301	194 / 194 / 194	340 / 340 / 360	295 / 295 / 310	8 / 12 / 12	22 / 22 / 26
250	370	245 / 245 / 245	395 / 405 / 425	350 / 355 / 370	12 / 12 / 12	22 / 26 / 30
300	410	300 / 300 / 300	445 / 460 / 485	400 / 410 / 430	12 / 12 / 16	22 / 26 / 30

Resilient Seat Butterfly Check Valve ISO 5752-14 PN10 / PN16 (Flanged End)



BODY MARKING

AUT
Heat Number
FIG 104

FRONT

DI
DN 600
PN16



BACK

Parts

No.	Parts name	Material	Standard	Grade	Technical Information		
					Norminal Pressure	PN10	PN16
1	Body	Ductile Iron	BS 2789	500/7	Shell pressure	15bars	24bars
2	Shaft Bushes	Bronze	BS 1400	LG2	Seat pressure	11bars	17.6bars
3	Shaft	Stainless Steel	BS 970 - part 1	420S37	Max .Temp	70 °C	
4	Cover	Ductile Iron	BS 2789	500/7			
5	Retainer Ring	Ductile Iron	BS 2789	500/7			
6	Disc Sealing Ring	Synthetic Rubber	BS 2494	EPDM			
7	Body Sealing Ring	Stainless Steel	BS 970 - part 1	304S15			
8	Disc	Ductile Iron	BS 2789	500/7			

Designs

1	Design according to BS 5155
2	Face to face according to ISO 5752-14 / DIN 3202 - F4
3	Flange drilled and dimension according to EN1092-2 PN10, PN16
4	Inspection and test according to EN 12266
5	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

Unit : mm

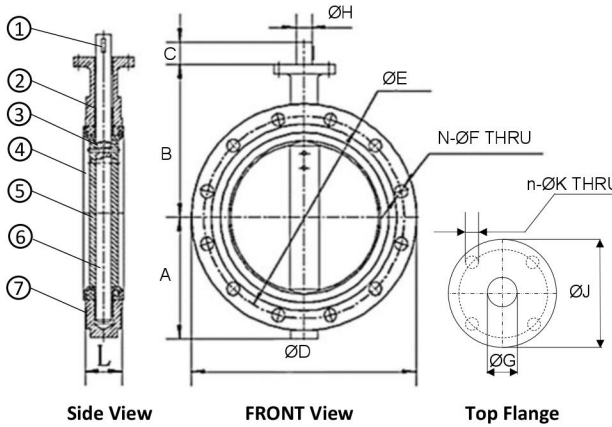
DN	L	Dimensions of Flange (PN10 / PN16)					
		ØD	ØD1	ØD2	b	f	z-Ød
		PN10 / PN16	PN10 / PN16	PN10 / PN16	PN10 / PN16	PN10 / PN16	PN10 / PN16
600	390	780 / 840	725 / 770	682 / 725	30 / 36	5 / 5	20 - 31 / 20 - 37
700	430	895 / 910	840 / 840	794 / 794	32.5 / 39.5	5 / 5	24 - 31 / 24 - 37
800	470	1015 / 1025	950 / 950	901 / 901	35 / 43	5 / 5	24 - 34 / 24 - 41

Short Body Butterfly Valve ISO 5752-20 PN10 / PN16 / Class125 / Class150 (Internal Body Resilient Lining Double Flanged)



Lever Operated
DN50 - DN300

Gearbox Operated
DN50 - DN1200



Side View

FRONT View

Top Flange

BODY MARKING

AUT
Heat Number
FIG 105

FRONT

DN 100
PN16
DI

BACK

Parts

No.	Parts name	Material	Standard	Grade	Technical Information			
1	Pin	Stainless steel	BS 970 - part 1	431S29	Nominal pressure	PN10	PN16	Class125 / 150
2	Bushing	Bronze	BS 1400	LG2				
3	Ring	Synthetic Rubber	BS 2494	EPDM	Shell pressure	15bars	24bars	300psi
4	Seat	Synthetic Rubber	BS 2494	EPDM	Seat pressure	11bars	17.6bars	200psi
5	Disc	Ductile iron with Nickle Plated	BS 2789	500/7	Suitable medium	Water,gases,sewage and others		
6	Stem	Stainless steel	BS 970 - part 1	420S37				
7	Body	Ductile iron	BS 2789	500/7	Operation methods	Handwheel, gearbox, electric or pneumatic actuator		
					Max. Temp	70 °C		

Designs

1	Design according to BS 5155
2	Face to face according to EN 558 basic series 20
3	Flange drilled according to EN 1092 PN10 / PN16
4	Inspection and test according to EN12266
5	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

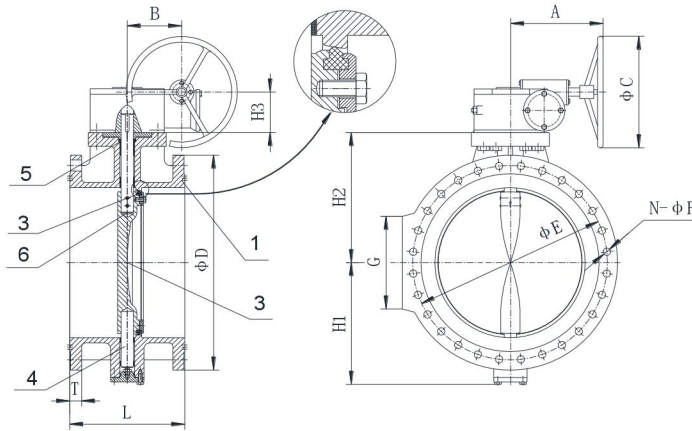
Dimensions

Unit : mm

DN	L	A	B	C	PN10			PN16			CLASS 125			ØG	ØH	ØJ	n-ØK
					ØD	ØE	N-ØF	ØD	ØE	N-ØF	ØD	ØE	N-ØF				
50	42	76	162	32	165	125	4-Ø18	165	125	4-Ø18	152	120.7	4-Ø19	50	13	70	4-7
65	45	89	175	32	185	145	4-Ø18	185	145	4-Ø18	178	139.7	4-Ø19	50	13	70	4-7
80	45	95	181	32	200	160	4-Ø18	200	160	8-Ø18	191	152.4	4-Ø19	50	13	70	4-7
100	52	114	200	32	220	180	8-Ø18	220	180	8-Ø18	229	190.5	8-Ø19	70	16	90	4-9
125	54	127	213	32	250	210	8-Ø18	250	210	8-Ø18	254	215.9	8-Ø22	70	19	90	4-9
150	56	140	225	32	285	240	8-Ø22	285	240	8-Ø22	279	241.3	8-Ø22	70	19	90	4-9
200	61	177	260	45	340	295	8-Ø22	340	295	12-Ø22	343	298.5	8-Ø22	102	22	125	4-11
250	66	203	292	45	395	350	12-Ø22	405	355	12-Ø26	406	362.0	12-Ø25	102	29	125	4-11
300	77	242	337	45	445	400	12-Ø22	460	410	12-Ø26	483	431.8	12-Ø25	102	32	125	4-11
350	77	287	368	45	505	460	16-Ø22	520	470	16-Ø26	533	476.3	12-Ø29	102	32	125	4-11
400	86	310	400	51	565	515	16-Ø26	580	525	16-Ø30	597	539.8	16-Ø29	165	33	210	4-22
450	105	338	422	51	615	565	20-Ø26	640	585	20-Ø30	635	577.9	16-Ø32	165	38	210	4-22
500	130	370	479	64	670	620	20-Ø26	715	650	20-Ø33	699	635.0	20-Ø32	165	41	210	4-22
600	152	430	562	70	780	725	20-Ø30	840	770	20-Ø36	813	749.3	20-Ø35	165	51	210	4-22
700	165	520	624	72	895	840	24-Ø30	910	840	24-Ø36	—	—	—	254	55	300	8-18
750	167	565	647	72	965	900	24-Ø33	970	900	24-Ø36	984	914.5	28-Ø35	254	55	300	8-18
800	190	591	672	72	1015	950	24-Ø33	1025	950	24-Ø39	—	—	—	254	55	300	8-18
900	207	611	768	77	1115	1050	28-Ø33	1125	1050	28-Ø39	1168	1086.0	32-Ø41	254	75	300	8-18
1000	216	665	823	85	1230	1160	28-Ø36	1255	1170	28-Ø42	—	—	—	254	85	300	8-18
1200	254	844	940	150	1455	1380	32-Ø39	1485	1390	32-Ø48	1511	1422.4	44-Ø41	298	92	350	8-22

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Double Eccentric Butterfly Valve BS 5155 ISO 5752-14 PN10 / PN16 / PN25



BODY MARKING

AUT
Heat Number
FIG 106

FRONT

DN 100
PN16
DI

BACK

Parts

No.	Parts name	Material	Standard	Grade	Technical Information			
1	Body	Ductile iron	BS 2789	500/7	Nominal Pressure	PN10	PN16	PN25
2	Seat	Stainless steel	BS 970 - part 1	304S15	Shell pressure	15bars	24bars	37.5bars
3	Disc	Ductile iron	BS 2789	500/7	Seat pressure	11bars	17.6bars	27.5bars
4	Stem	Stainless steel	BS 970 - part 1	431S29	Max. Temp	70 °C		
5	Bushing	Bronze	BS 1400	LG2				
6	Seal Ring	Synthetic Rubber	BS 2494	EPDM				

Designs

1	Design according to BS 5155
2	Face to face according to EN 558 basic series 14 / ISO 5752-14 / DIN 3202 - F4
3	Flange drilled according to EN 1092 PN10 / PN16 / PN25
4	Inspection and test according to EN12266
5	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

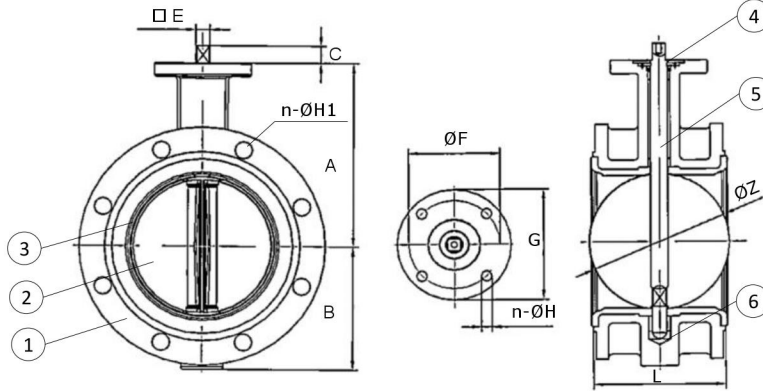
Dimensions

Unit : mm

DN	L	T	A	B	ØC	H1	H2	H3	G	Dimensions of Flange (PN10 / PN16 / PN25)								
										PN10			PN16			PN25		
										ØD	ØE	N-ØF	ØD	ØE	N-ØF	ØD	ØE	N-ØF
100	190	22	178	45	150	137	145	38	—	220	180	8-Ø18	220	180	8-Ø18	235	190	8-Ø22
125	200	22	178	45	150	152	160	38	—	250	210	8-Ø18	250	210	8-Ø18	270	220	8-Ø26
150	210	24	178	45	150	169	180	38	—	285	240	8-Ø18	285	240	8-Ø22	300	250	8-Ø26
200	230	24	235	63	300	206	210	42	—	340	295	8-Ø22	340	295	12-Ø22	360	310	12-Ø26
250	250	26	235	63	300	236	245	42	—	395	350	12-Ø22	405	355	12-Ø26	425	370	12-Ø30
300	270	28	226	81	300	266	270	41	—	445	400	12-Ø22	460	410	12-Ø26	485	430	16-Ø30
350	290	30	226	81	300	296	300	41	200	505	460	16-Ø22	520	470	16-Ø26	555	490	16-Ø33
400	310	32	217	95	360	330	338	48	250	565	515	16-Ø26	580	525	16-Ø30	620	550	16-Ø36
450	330	32	217	95	360	360	370	48	300	615	565	20-Ø26	640	585	20-Ø30	670	600	20-Ø36
500	350	34	320	185	360	390	405	115	300	670	620	20-Ø26	715	650	20-Ø33	730	660	20-Ø36
600	390	36	335	185	360	460	470	120	400	780	725	20-Ø30	840	770	20-Ø36	845	770	20-Ø39
700	430	40	380	218	360	515	520	140	400	895	840	24-Ø30	910	840	24-Ø36	960	875	24-Ø42
800	470	44	380	218	360	565	580	140	450	1015	950	24-Ø33	1025	950	24-Ø39	1085	990	24-Ø48
900	510	46	447	282	450	630	635	250	500	1115	1050	28-Ø33	1125	1050	28-Ø39	1185	1090	28-Ø48
1000	550	50	447	282	450	693	700	250	550	1230	1160	28-Ø36	1255	1170	28-Ø42	1320	1210	28-Ø56
1200	630	56	470	324	450	810	840	296	650	1455	1380	32-Ø39	1485	1390	32-Ø48	1530	1420	32-Ø56
1400	710	62	725	515	600	985	1116	296	650	1675	1530	36-Ø42	1685	1530	36-Ø48	1755	1640	36-Ø62



Butterfly Valve BS 5155 PN10 / PN16 (Internal Body Resilient Lining Double Flanged ISO 5752- series 13)



BODY MARKING

AUT
Heat Number
FIG 107

FRONT

DN 100
PN16
DI

BACK

Parts

No.	Parts name	Material	Standard	Grade	Technical Information		
					Nominal Pressure	PN10	PN16
1	Body	Ductile iron	BS 2789	500/7	Shell pressure	15bars	24bars
2	Disc	Ductile iron	BS 2789	500/7	Seat pressure	11bars	17.6bars
3	Seat	Synthetic Rubber	BS 2494	EPDM	Suitable medium	water, waste water, sea water, chemical	
4	Stem sealing	Synthetic Rubber	BS 2494	EPDM			
5	Stem	Stainless steel	BS 970 - part 1	431S29	Max. Temp	70 °C	
6	Bearing	Bronze	BS 1400	LG2			

Designs

1	Design according to BS 5155
2	Face to face according to EN 558 basic series 13 / ISO 5752-13
3	Flange drilled according to EN 1092 PN10 / PN16
4	Inspection and test according to EN12266
5	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

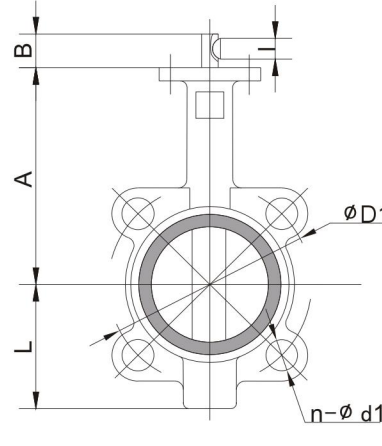
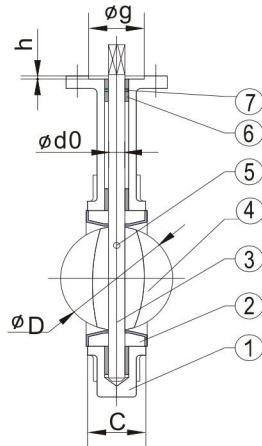
Dimensions

Unit : mm

DN	A	B	C	E	ØF	ØG	n1-ØH1	n-ØH	L	ØZ
50	142	80	13.5	11	70	90	4-18	4-10	108	53
65	155	89	13.5	11	70	90	4-18	4-10	112	65
80	161	95	13.5	11	70	90	4-18	4-10	114	79
100	180	114	17.5	14	70	90	8-18	4-10	127	104
125	193	127	17.5	14	70	90	8-18	4-10	140	124
150	205	139	18.5	17	70	90	8-18	4-10	140	156
200	250	175	24.5	22	102	125	8-18	4-12	152	203
250	282	203	24.5	22	102	125	12-22	4-12	165	251
300	326	242	27	27	102	125	12-22	4-12	178	302
350	358	267	24.5	22	102	125	16-22	4-12	190	334
400	380	301	30	27	140	175	16-26	4-18	216	390
450	422	381	30	27	140	175	20-26	4-18	222	441
500	479	387	39	36	140	175	20-26	4-18	229	492
600	562	457	39	36	165	210	20-30	4-23	267	593
700	629	527	90	70.1	254	300	24-30	8-18	292	695
750	650	530	110	75	254	300	-	8-18	318	744
800	666	594	110	80	254	300	24-33	8-18	318	796
900	722	653	110	89.9	298	350	28-33	8-22	330	864
1000	800	718	120	100.1	298	350	28-36	8-22	410	964
1200	941	844	175	119	356	415	32-39	8-32	470	1160

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Wafer Type Butterfly Valve PN10 / PN16



BODY MARKING

AUT
Heat Number
ISO
FIG 108

FRONT

DN 100
PN16
DI

BACK

Parts

No.	Parts name	Material	Standard	Grade	Technical Information		
					Nominal Pressure	PN10	PN16
1	Body	Ductile iron	BS 2789	500/7	Shell pressure	15bars	24bars
2	Seat	Ductile iron	BS 2789	EPDM	Seat pressure	11bars	17.6bars
3	Shaft	Stainless steel	BS 2494	EPDM	Max. Temp	80 °C	
4	Disc	Stainless steel					
5	Tapper Pin	Stainless steel	BS 970 - part 1	431S29			
6	Bushing	PTFE, Bronze					
7	O-ring	Stainless steel	BS 2494	EPDM			

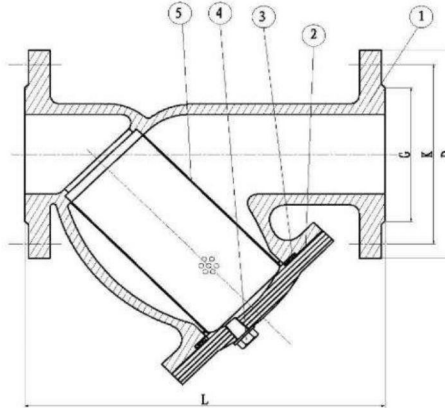
Designs

1	Design according to DIN 3202 / API 609
2	Face to face according to DIN 3202 - K1 / API 609
3	Flange according to ISO 7005
4	Inspection and test according to API 598
5	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

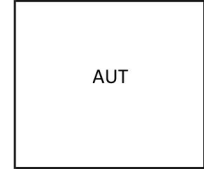
Dimensions

Unit : mm

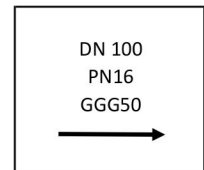
Size		HA	HB	HC	L	ØA	PN10		PN16	
DN	Inch						ØC	n-Ø	ØC	n-Ø
40	½"	65	115	30	35	12.7	110	4-18	110	4-18
50	2"	66	130	30	45	12.7	125	4-18	125	4-18
65	2½"	75	140	30	48	12.7	145	4-18	145	4-18
80	3"	95	150	30	49	12.7	160	4-18	160	8-18
100	4"	107	170	30	55	15.8	180	8-18	180	8-18
125	5"	122	185	30	58	19.0	210	8-18	210	8-18
150	6"	134	205	30	59	19.0	240	8-23	240	8-23
200	8"	168	235	36	64	22.2	295	8-23	295	12-23
250	10"	200	270	36	70	28.6	350	12-23	355	12-27
300	12"	237	305	36	80	31.8	400	12-23	410	12-27



BODY MARKING



FRONT



BACK

Parts

No.	Parts name	Material	Standard	Grade	Technical Information		
1	Body	Ductile iron	BS 2789	500 / 7	Nominal Pressure	PN10	PN16
2	Cover	Ductile iron	BS 2789	500 / 7	Seat pressure	11bars	17bars
3	Gasket	NBR	ISO4633	500 / 7	Seat pressure		
4	Bolt	Carbon steel	ASTM A959		Max .Temp	80 °C	
5	Screen	Carbon steel	ASTM A959				

Designs

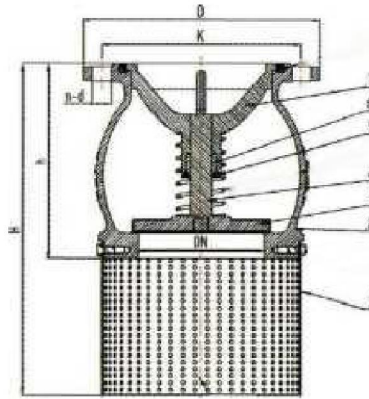
1	Flange face to face according to BS 2080
2	Flange drilled according to EN 1092 PN10 / PN16
3	Inspection and test according to EN12266
4	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

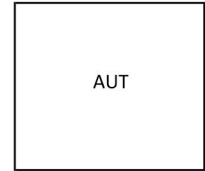
Unit : mm

DN	L	H	Dimensions of Flange (PN10 / PN16)					
			D	K	G	n-Ød	b	f
			PN10 / PN16	PN10 / PN16	PN10 / PN16	PN10 / PN16	PN10 / PN16	PN10 / PN16
50	220	125	165 / 165	125 / 125	99 / 99	4-Ø19 / 4-Ø19	19 / 19	3 / 3
65	270	150	185 / 185	145 / 145	118 / 118	4-Ø19 / 4-Ø19	19 / 19	3 / 3
80	290	175	200 / 200	160 / 160	132 / 132	8-Ø19 / 8-Ø19	19 / 19	3 / 3
100	350	190	220 / 220	180 / 180	156 / 156	8-Ø19 / 8-Ø19	19 / 19	3 / 3
125	390	235	250 / 250	210 / 210	184 / 184	8-Ø19 / 8-Ø19	19 / 19	3 / 3
150	440	275	285 / 285	240 / 240	211 / 211	8-Ø23 / 8-Ø23	19 / 19	3 / 3
200	540	350	340 / 340	295 / 295	266 / 266	8-Ø23 / 12-Ø23	20 / 20	3 / 3
250	660	420	405 / 405	350 / 355	319 / 319	12-Ø23 / 12-Ø28	22 / 22	3 / 3
300	720	490	460 / 460	400 / 410	370 / 370	12-Ø23 / 12-Ø28	24.5 / 24.5	4 / 4
350	980	600	520 / 520	460 / 470	429 / 429	16-Ø28 / 16-Ø31	24.5 / 26.5	4 / 4

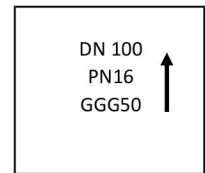
Resilient Seat Foot Valve PN10 / PN16 / PN25 (Flanged End)



BODY MARKING



FRONT



BACK

Parts

No.	Parts name	Material	Standard	Grade	Technical Information			
					Nominal Pressure	PN10	PN16	PN25
1	Screen	Stainless Steel	BS 970 - part1	SS 304	Shell pressure	15bars	24bars	37.5bars
2	Body	Ductile iron	BS 2789	420/12		Seat pressure	11bars	17.6bars
3	Disc	Ductile iron covered rubber	ISO 4633		Max .Temp		80 °C	
4	Stem	Stainless Steel	ASTM A959	SS 316				
5	Screw	C45E/1045	ASTM A959					
6	Guide Sleeve	CuZn39Pb1	EN 12167					
7	Guide seat	Ductile iron	BS EN 1563					

Designs

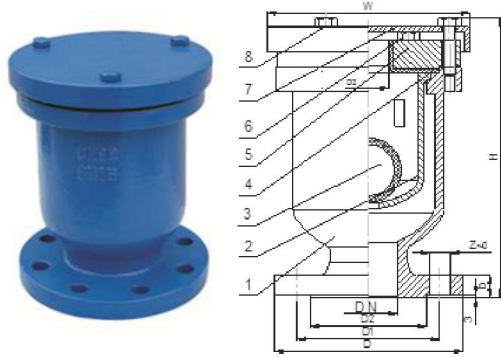
1	Design according to EN12334, ASME B16.1, ASME B16.42.
2	Flange drilled according to BS 4504 / EN1092-2 / JIS B2212 PN10, PN16, PN25
3	Inspection and test according to EN12266
4	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

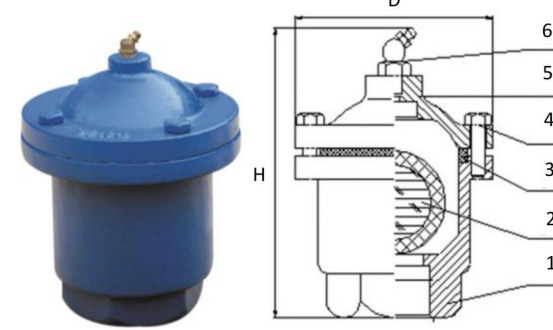
Unit : mm

DN	L	H	A	B	Dimensions of Flange (PN10 / PN16 / PN25)				
					ØC	ØD	ØE	n	Ød
					PN10 / PN16 / PN25	PN10 / PN16 / PN25	PN10 / PN16 / PN25	PN10 / PN16 / PN25	PN10 / PN16 / PN25
50	100	156	80	111	165 / 165 / 165	125 / 125 / 125	50	4 / 4 / 4	18 / 18 / 18
65	120	176	100	131	185 / 185 / 185	145 / 145 / 145	65	4 / 4 / 8	18 / 18 / 18
80	140	192	120	148	200 / 200 / 200	160 / 160 / 160	80	8 / 8 / 8	18 / 18 / 18
100	170	212	150	168	220 / 220 / 235	180 / 180 / 190	105	8 / 8 / 8	18 / 18 / 22
125	200	242	175	198	250 / 250 / 270	210 / 210 / 220	127	8 / 8 / 8	18 / 18 / 26
150	230	275	200	222	285 / 285 / 300	240 / 240 / 250	145	8 / 8 / 8	22 / 22 / 26
200	301	332	250	278	340 / 340 / 360	295 / 295 / 310	194	8 / 12 / 12	22 / 22 / 26
250	370	385	300	329	395 / 405 / 425	350 / 355 / 370	245	12 / 12 / 12	22 / 26 / 30
300	410	445	350	384	445 / 460 / 485	400 / 410 / 430	300	12 / 12 / 16	22 / 26 / 30

Single Ball Air Release Valve PN10 / PN16 / PN25



Flanged Type



Thread Type

BODY MARKING

AUT
Heat Number
FIG 111

FRONT

DN 50
PN16

BACK

Parts

No.	Parts name	Material	Standard	Grade	Technical Information			
					Nominal Pressure	PN10	PN16	PN25
1	Body	Ductile iron	BS 2789	500/7	Shell pressure	15bars	24bars	37.5bars
2	Ball Float	ABS	ISO 2580		Seat pressure	11bars	17.6bars	27.5bars
3	Gasket	Synthetic Rubber	BS 2494	EPDM	Max .Temp	70 °C		
4	Bolt	Carbon Steel	BS 1769					
5	Bonnet	Ductile iron	BS 2789	500/7				
6	Glib Tongued	Brass	BS 2874	CA104				
7	Bucket	Ductile iron	BS 2789	500/7				
8	Outside Cover	Ductile iron	BS 2789	500/7				

Designs

1	Design according to BS , ISO standard
2	Flange drilled according to EN1092-2 PN10, PN16, PN25
3	Inner female thread according to BSP
4	Inspection and test according to EN12266
5	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

Unit : mm

Single Air Release Valve Thread Type

DN	D	H
DN15 - DN20	88	125
DN25 - DN32	105	150
DN40 - DN50	128	177

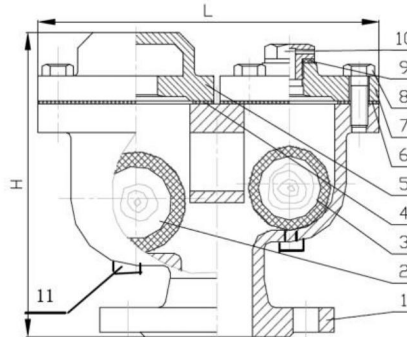
Dimensions

Unit : mm

Single Air Release Valve Flanged Type

DN	D	D1	D2	D3	b	H	W	Z- ød
40	150	110	84	22	18	224	166	4-Ø19
50	165	125	99	32	20	236	178	4-Ø19
65	185	145	118	37	20	244	199	4-Ø19
80	200	160	132	37	22	248	202	8-Ø19
100	220	180	158	40	24	284	233	8-Ø19
150	285	240	212	60	26	324	282	8-Ø23

Double Ball Air Release Valve PN10 / PN16 / PN25



BODY MARKING

AUT
Heat Number
FIG 112

FRONT

DN 50
PN16

BACK

Parts

No.	Parts name	Material	Standard	Grade	Technical Information			
					Nominal Pressure	PN10	PN16	PN25
1	Body	Cast iron	DIN 1691	250	Shell pressure	15bars	24bars	37.5bars
2	Ball	ABS	ISO 2580		Seat pressure	11bars	17.6bars	27.5bars
3	Ball	ABS	ISO 2580		Max .Temp	70 °C		
4	Gasket	Synthetic Rubber	BS 2494 (ISO 4633)	EPDM				
5	Cover	Cast iron	DIN 1691	250				
6	Gasket	Synthetic Rubber	BS 2494 (ISO 4633)	EPDM				
7	Cover	Cast iron	DIN 1691	250				
8	Bolts	Stainless steel	DIN 17440	X20Cr13				
9	Washer	Nylon						
10	Bolts	Stainless steel	DIN 17440	X20CrNi17				
11	Plug	Carbon steel with zinc plated	BS 1769					

Designs

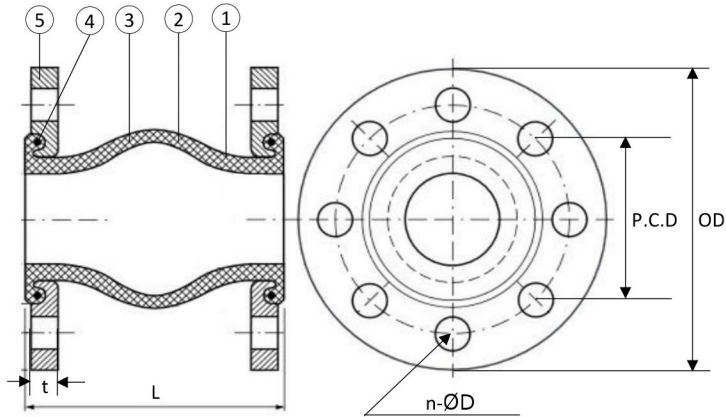
1	Design according to BS , ISO standard
2	Flange drilled according to EN1092-2 PN10, PN16, PN25
3	Inspection and test according to EN12266
4	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

Unit : mm

DN	H	L	Dimensions of Flange (PN10 / PN16 / PN25)			
			Dia. of flange	Nos. of hole	Dia. of hole	P.C.D.
			PN10 / PN16 / PN25	PN10 / PN16 / PN25	PN10 / PN16 / PN25	PN10 / PN16 / PN25
50	382	240	165 / 165 / 165	4 / 4 / 4	18 / 18 / 18	125 / 125 / 125
65	405	256	185 / 185 / 185	4 / 8 / 8	18 / 18 / 18	145 / 145 / 145
80	454	305	200 / 200 / 200	8 / 8 / 8	18 / 18 / 18	160 / 160 / 160
100	470	328	220 / 220 / 235	8 / 8 / 8	18 / 18 / 22	180 / 180 / 190
150	520	392	285 / 285 / 300	8 / 8 / 8	22 / 22 / 26	240 / 240 / 250

Rubber Expansion Joint PN10 / PN16



BODY MARKING

AUT JIS 10K DN100

FRONT

Parts

No.	Parts name	Material	Standard	Grade	Technical Information		
					Nominal Pressure	PN10	PN16
1	Body	Reinforced Synthetic Rubber	BS 2494	EPDM			
2	Reinforcing Fabric	Nylon			Shell pressure	15bars	24bars
3	Tube	Reinforced Synthetic Rubber	BS 2494	EPDM	Max .Temp	70 °C	
4	Retaining Rings	Steel	BS 970	431S29			
5	Flange	Carbon steel	BS 1769	WCB			

Designs

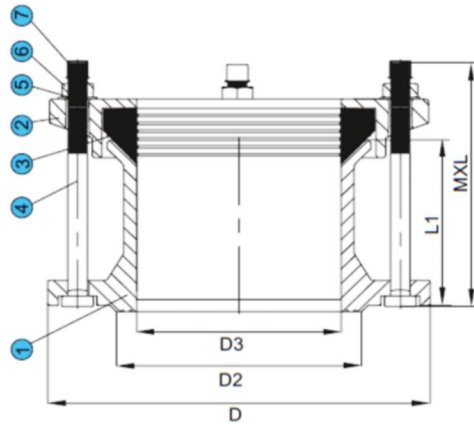
1	Design according to BS , ISO standard
2	Flange drilled according to EN1092-1 PN10, PN16
3	Inspection and test according to EN12266

Dimensions

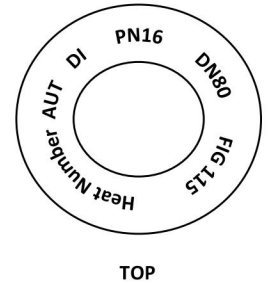
Unit : mm

DN	Length ± 2	OD	P.C.D	t	n-ØD
DN40	95	150	110	16	4-18
DN50	105	165	125	18	4-18
DN65	115	185	145	18	4-18
DN80	135	200	160	20	8-18
DN100	150	220	180	20	8-18
DN125	165	250	210	22	8-18
DN150	180	285	240	22	8-22
DN200	210	340	295	24	8-22
DN250	230	395	350	26	12-22
DN300	245	445	400	26	12-22
DN350	255	505	460	26	16-22
DN400	255	565	515	26	16-26
DN450	255	615	565	28	20-26
DN500	255	670	620	28	20-26
DN600	260	780	725	28	20-30

Universal Flange Adaptor PN10 / PN16



BODY MARKING



Parts

No.	Parts name	Material	Standard	Grade	Technical Information		
1	Body	Ductile iron	DIN 1693	GGG50	Nominal Pressure	PN10	PN16
2	End Ring	Ductile iron	DIN 1693	GGG50	Shell pressure	15bars	24bars
3	Rubber Seal	Rubber	BS 2494	EPDM	Max .Temp	70 °C	
4	Bolt	Galvanized Steel		ISO 898-1 : 1999			
5	Washer	Galvanized Steel					
6	Nuts	Galvanized Steel					
7	Cap	Plastic					

Designs

1	For PE pipes of EN 12201 / ISO 4427
2	For PVC pipes of EN 1452 / ISO 4422
3	Flange dimensions according to EN 1092-2 / ISO 7005-2, PN16.
4	Internal and external coating by fusion bonded epoxy powder 250 micron thickness
5	

Dimensions

Size	Pipe OD(mm)	D	D2	D3	L1	M X L	Bolt No.
DN40	48-60	150	84	64	82	M12X125	2
DN50	59-72	165	99	77	82	M12X125	2
DN65	72-85	185	108	90	82	M12X125	2
DN80	88-103	200	132	108	82	M12X125	4
DN100	109-128	220	156	133	82	M12X125	4
DN125	132-153	250	184	158	82	M12X140	4
DN150	159-182	285	211	187	82	M12X140	4
DN175	192-210	340	266	215	82	M12X140	4
DN200	218-235	340	266	241	82	M12X140	4
DN225	242-267	405	319	272	82	M12X140	4
DN250	272-289	405	319	295	90	M12X140	6
DN300	315-332	460	370	338	90	M12X150	6
DN300	322-339	460	370	345	90	M12X150	6
DN350	351-378	520	425	382	115	MUX 180	8
DN350	374-391	520	425	393	115	M14X180	8
DN400	400-429	580	477	432	115	M14X180	8
DN400	425-442	580	477	444	115	M14X180	8
DN450	476-493	640	550	498	115	M14X180	10
DN500	527-544	715	585	548	115	M14X180	10
DN600	630-647	840	682	650	115	M14X180	10

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WEBSITE : http://autvalveflow.com

Pressure Reducing Valve PN10 / PN16

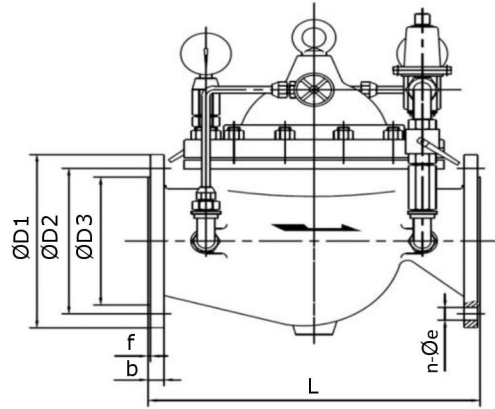
BODY MARKING

AUT
Heat Number
FIG 116
→

FRONT

DN100
PN10
DI

BACK



Parts

No.	Parts name	Material	Standard	Grade	Technical Information		
					Nominal Pressure	PN10	PN16
1	Body	Ductile iron	BS 2789	500/7	Shell pressure	15bars	24bars
2	Disc	Ductile iron + EPDM	BS 2874 / BS 2494	500/7	Max. Inlet Pressure	10bars	16bars
3	Conduit	T1			Adjustable outlet pressure ranges	0.09 ~ 0.8MPa	0.10 ~ 1.2MPa
4	Spring	Stainless Steel	BS 970 - part 1	321S20	Max. Temp	70 °C	
5	Stem	Stainless Steel	BS 970 - part 1	420S37	Medium	Water	
6	Bonnet	Ductile Iron	BS 2789	500/7			
7	Others	H62					
8	Diaphragm	Reinforced Synthetic Rubber	BS 2494	EPDM			

Designs

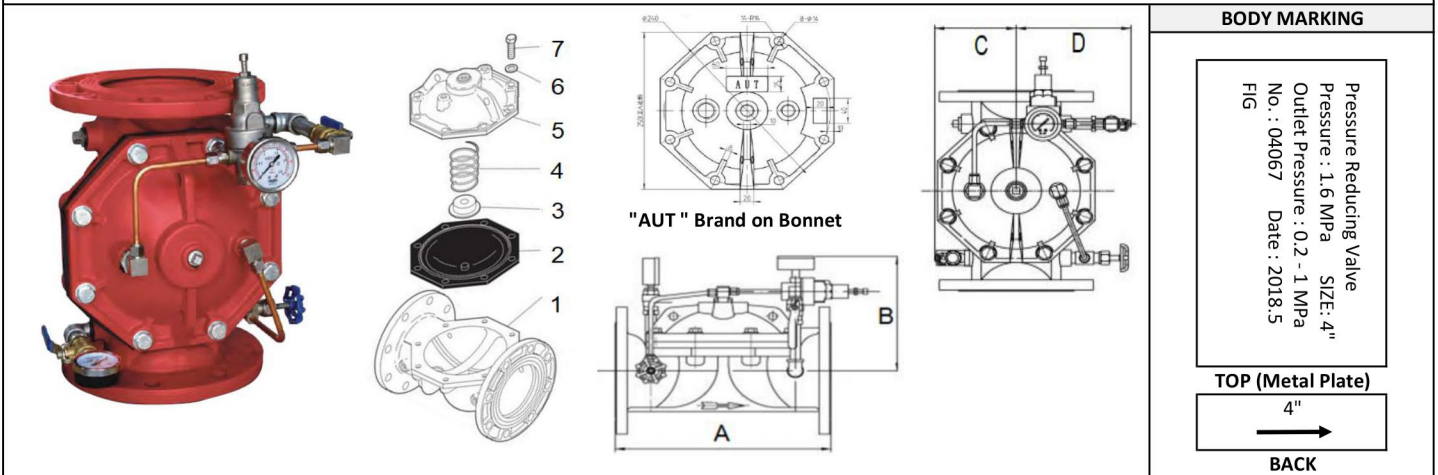
1	Flange face to face according to EN 558-1
2	Flange drilled according to EN1092-2, PN10 / PN16
3	Inspection and test according to EN12266
4	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

Unit : mm

DN	L	Dimensions of Flange (PN10 / PN16)					
		D1	D2	D3	n-Øe	b	f
		PN10 / PN16	PN10 / PN16	PN10 / PN16	PN10 / PN16	PN10 / PN16	PN10 / PN16
40	200	150 / 150	110 / 110	84 / 84	4 - Ø19 / 4 - Ø19	19 / 19	3
50	203	165 / 165	125 / 125	99 / 99	4 - Ø19 / 4 - Ø19	19 / 19	3
65	216	185 / 185	145 / 145	118 / 118	4 - Ø19 / 4 - Ø19	19 / 19	3
80	241	200 / 200	160 / 160	132 / 132	8 - Ø19 / 8 - Ø19	19 / 19	3
100	292	220 / 220	180 / 180	156 / 156	8 - Ø19 / 8 - Ø19	19 / 19	3
125	330	250 / 250	210 / 210	184 / 184	8 - Ø19 / 8 - Ø19	19 / 19	3
150	356	285 / 285	240 / 240	211 / 211	8 - Ø23 / 8 - Ø23	19 / 19	3
200	495	340 / 340	295 / 295	266 / 266	8 - Ø23 / 12 - Ø23	20 / 20	3
250	622	395 / 405	350 / 355	319 / 319	8 - Ø23 / 12 - Ø28	22 / 22	3
300	698	445 / 460	400 / 410	370 / 370	12 - Ø23 / 12 - Ø28	24.5 / 24.5	4
350	787	505 / 520	460 / 470	429 / 429	16 - Ø23 / 16 - Ø28	24.5 / 24.5	4
400	914	565 / 580	515 / 525	480 / 480	16 - Ø28 / 16 - Ø31	24.5 / 24.5	4
450	978	615 / 640	565 / 585	530 / 548	20 - Ø28 / 20 - Ø31	25.5 / 25.5	4
500	978	670 / 715	620 / 650	582 / 609	20 - Ø28 / 20 - Ø34	26.5 / 26.5	4
600	1230	780 / 840	725 / 770	682 / 720	20 - Ø31 / 20 - Ø37	30 / 30	5

Ductile Iron Pressure Reducing Valve, Diaphragm Type PN10 / PN16



Parts

No.	Parts name	Material	Standard	Grade	Technical Information		
					Norminal pressure	PN10	PN16
1	Body	Ductile Iron	BS 2789	500/7	Shell pressure	15bars	24bars
2	Diaphragm	Synthetic Rubber	BS 2494	EPDM	Seat pressure	11bars	17.6bars
3	Spring Seat	Stainless steel	BS 970 - part 1	304S31	Max .Temp	70 °C	
4	Spring	Carbon Steel					
5	Cover	Ductile Iron	BS 2789	500/7			
6	Flat Washer	Carbon Steel	BS 1769	A3			
7	Hex Bolt	Carbon Steel	BS 1769	A3			

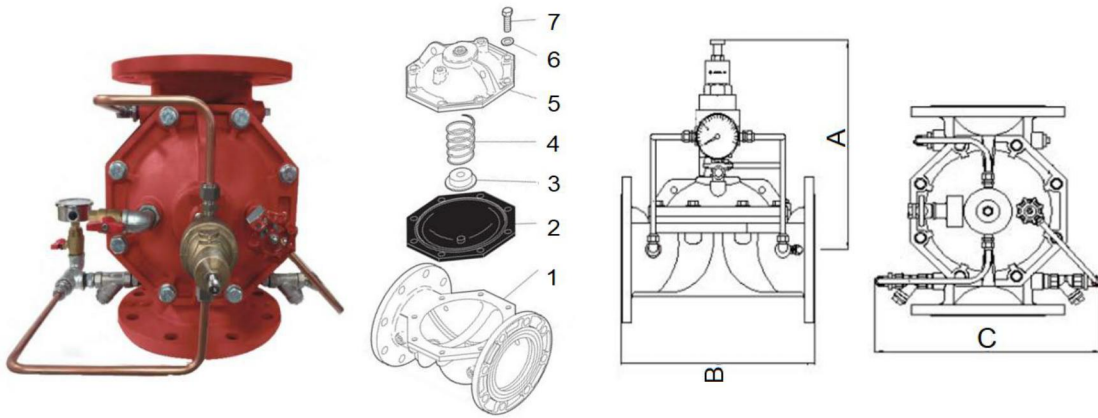
Designs

1	Flange drilled according to EN1092-2, PN10 / PN16
2	Inspection and test according to EN12266
3	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

DN	A	B	C	D	Unit : mm
					Max Flow (m ³ / h)
50	280	215	135	150	22
65	280	215	135	150	36
80	330	245	170	200	55
100	330	245	170	200	90
150	400	265	190	220	180
200	508	350	230	270	325
250	650	450	270	320	395
300	736	450	330	370	415

Ductile Iron Pressure Relief Valve, Diaphragm Type PN10 / PN16



BODY MARKING

Pressure Relief Valve
 Pressure : 1.6 MPa SIZE: 4"
 Outlet Pressure : 0.2 - 1 MPa
 No. : 04067 Date : 2018.5
 FIG 118

TOP (Metal Plate)

4" →

BACK

Parts

No.	Parts name	Material	Standard	Grade	Technical Information		
					Norminal pressure	PN10	PN16
1	Body	Ductile Iron	BS 2789	500/7	Shell pressure	15bars	24bars
2	Diaphragm	Synthetic Rubber	BS 2494	EPDM	Seat pressure	11bars	17.6bars
3	Spring Seat	Stainless steel	BS 970 - part 1	304S31	Max .Temp	70 °C	
4	Spring	Carbon Steel					
5	Cover	Ductile Iron	BS 2789	500/7			
6	Flat Washer	Carbon Steel	BS 1769	A3			
7	Hex Bolt	Carbon Steel	BS 1769	A3			

Designs

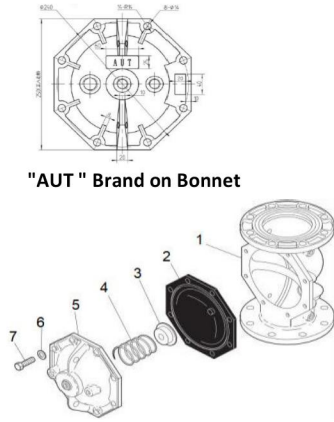
1	Flange drilled according to EN1092-2, PN10 / PN16
2	Inspection and test according to EN12266
3	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

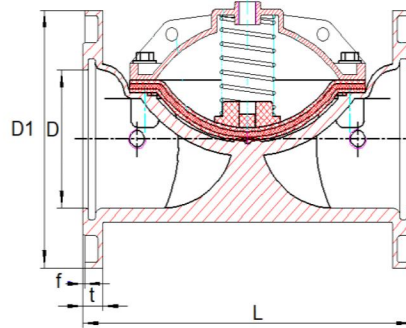
Unit : mm

DN	A	B	C
50	350	280	370
65	350	280	370
80	350	330	370
100	350	330	370
150	430	400	400
200	430	508	660
250	480	650	730

Ductile Iron Float Valve, Diaphragm Type PN10 / PN16



"AUT" Brand on Bonnet



BODY MARKING

Float Valve
Pressure : 1.6 MPa SIZE: 4"
No. : 04067 Date : 2018.5
FIG 119

TOP (Metal Plate)

4" →

BACK

Parts

No.	Parts name	Material	Standard	Grade	Technical Information		
					Norminal pressure	PN10	PN16
1	Body	Ductile Iron	BS 2789	500/7	Shell pressure	15bars	24bars
2	Diaphragm	Synthetic Rubber	BS 2494	EPDM	Seat pressure	11bars	17.6bars
3	Spring Seat	Stainless steel	BS 970 - part 1	304S31	Max .Temp	70 °C	
4	Spring	Carbon Steel					
5	Cover	Ductile Iron	BS 2789	500/7			
6	Flat Washer	Carbon Steel	BS 1769	A3			
7	Hex Bolt	Carbon Steel	BS 1769	A3			

Designs

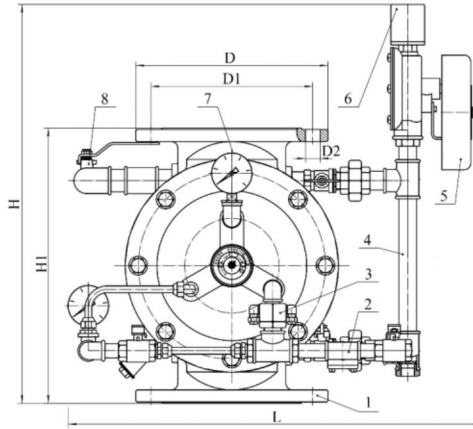
1	Flange drilled according to EN1092-2, PN10 / PN16
2	Inspection and test according to EN12266
3	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

Unit : mm

D	D1	L	t	f
50	165	326	18	2
65	185	326	18	2
80	195	330	20	2
100	220	330	18	2
150	280	400	24	2
200	335	508	26	2
250	405	650	26	2
300	460	736	28	2

Ductile Iron Deluge Valve, Diaphragm Style PN10 / PN16



BODY MARKING

DELUGE VALVE
 Model No. : FIG121 Flange Size : DN
 Hydraulic Friction : 0.038 MPa Working
 Pressure : 1.5 Mpa
 Application Temp : 4°C - 70°C
 Valve Material : Ductile Iron

TOP (Metal Plate)



Parts

No.	Parts name	Material	Standard	Grade	Technical Information		
					Norminal pressure	PN10	PN16
1	Body	Ductile Iron	BS 2789	500/7	Shell pressure	15bars	24bars
2	Reset Valve				Seat pressure	11bars	17.6bars
3	Solenoid Valve	Brass	BS 2874		Max .Temp	80 °C	
4	Connection Pipe	Stainless steel	SS304				
5	Water Motor Gong	Stainless steel	SS304	500/7			
6	Pressure Switch	Brass	BS 2874				
7	Pressure Gauge	Stainless steel	BS 2874				
8	Ball Valve	Brass	BS 2874				

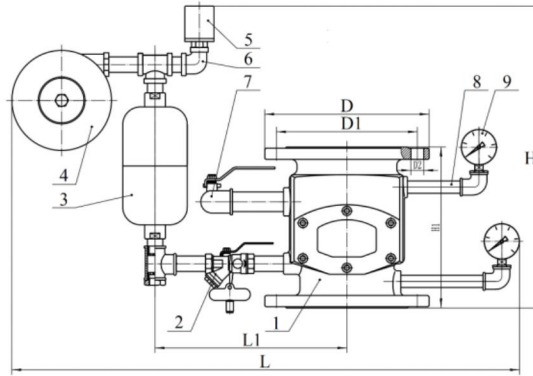
Designs

1	Flange drilled according to EN1092-2, PN10 / PN16
2	Inspection and test according to EN12266
3	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

DN	L	H	H1	D	D1	D2	No. Holes
100	588	529	345	220	180	18	8
150	613	590	408	285	240	22	8
200	667	717	543	340	295	22	12

Ductile Iron Alarm Check Valve PN10 / PN16



BODY MARKING

ALARM CHECK VALVE
 Model No. : FIG122 Flange Size : DN
 Hydraulic Friction : 0.038 MPa Working
 Pressure : 1.5 MPa
 Application Temp : 4°C - 70°C
 Valve Material : Ductile Iron

TOP (Metal Plate)



Parts

No.	Parts name	Material	Standard	Grade	Technical Information		
					Norminal pressure	PN10	PN16
1	Valve Body	Ductile Iron	BS 2789	500/7	Shell pressure	15bars	24bars
2	Ball Valve	Brass	BS 2874		Seat pressure	11bars	17.6bars
3	Delayer	Stainless steel	SS304		Max .Temp	70 °C	
4	Water Motor Gong	Stainless steel	SS304				
5	Pressure Switch	Brass	BS 2874				
6	Connection Pipe	Stainless steel	SS304				
7	Ball Valve	Brass	BS 2874				
8	Connection Pipe	Stainless steel	SS304				
9	Pressure Switch	Stainless steel	SS304				

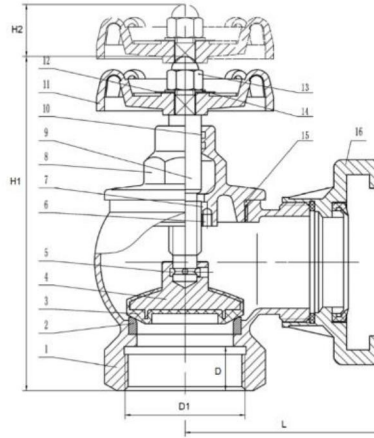
Designs

1	Flange drilled according to EN1092-2, PN10 / PN16
2	Inspection and test according to EN12266
3	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

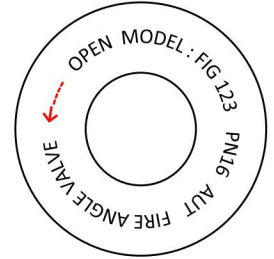
Dimensions

									Unit : mm
DN	L	L1	H	H1	D	D1	D2	No. of Holes	
80	832	319	505	240	200	160	18	8	
100	832	319	505	240	220	180	18	8	
150	865	327	512	273	285	240	22	8	
200	906	349	516	296	340	295	22	12	

Ductile Iron Fire Hydrant, Gost Type PN10 / PN16



BODY MARKING



HANDWHEEL (Metal Plate)

Parts

No.	Parts name	Material	Standard	Grade	Technical Information		
					Norminal pressure	PN10	PN16
1	Body	Ductile Iron	BS 2789	500/7	Shell pressure	15bars	24bars
2	Seat	Brass	BS 2874	CA104	Seat pressure	11bars	17.6bars
3	Gasket	Synthetic Rubber	BS 2494	EPDM	Max .Temp	70 °C	
4	Disc	Ductile Iron	BS 2789	500/7			
5	Snap Ring	Brass	BS 2874	CA104			
6	Screw	Carbon Steel	ASTM A36				
7	Stem Nut	Brass	BS 2874	CZ122			
8	Bonnet	Ductile Iron	BS 2789	500/7			
9	Stem	Brass	BS 2874	CZ122			
10	Sealing O-Ring	Synthetic Rubber	BS 2494	EPDM			
11	Handwheel	Aluminium Alloy					
12	Name Plate	Aluminium Alloy					
13	Cap Nut	Stainless Steel	BS 970	SS316			
14	Gasket	Carbon Steel	ASTM A36				
15	Sealing O-Ring	Synthetic Rubber	BS 2494	EPDM			
16	Coupling	Aluminium Alloy					

Designs

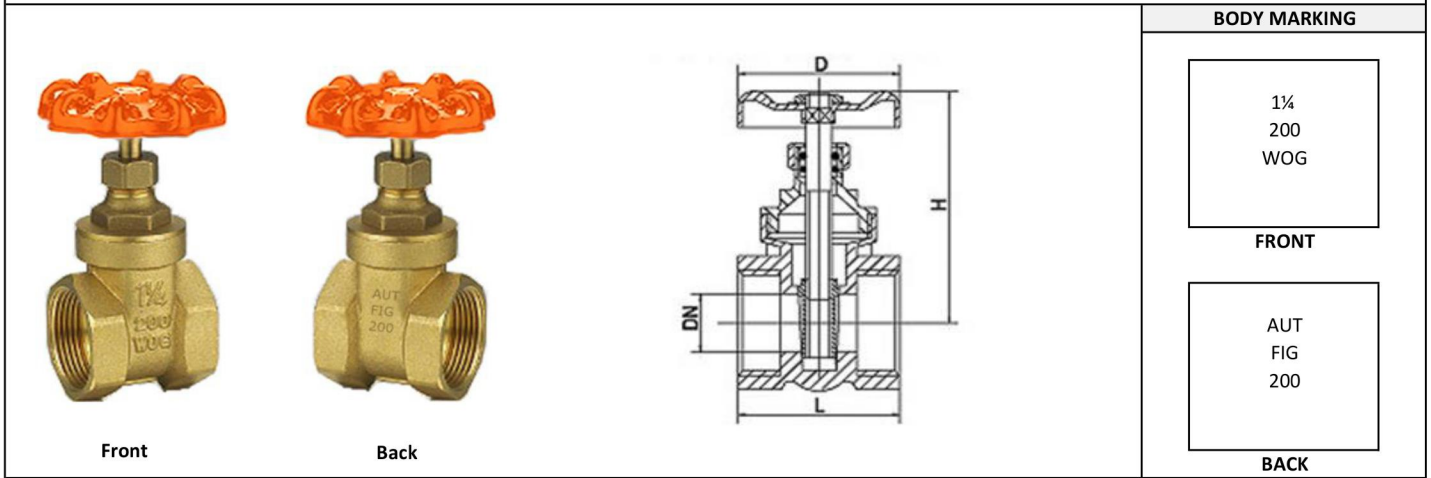
1	Fire Nozzle adaptor according to Gost Type
2	Inspection and test according to EN12266
3	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

DN	L	D	D1	H1	H2
50	100	22	51	165	26
65	100	25	63.5	185	26

Unit : mm

Forged Brass Gate Valve 200 PSI



Parts

No.	Parts name	Material	Grade	Technical Information		
				Working Pressure	Medium	
1	Body	Brass	CW612N	200 PSI	Water, Oil, Gas	
2	Disc	Brass	CW612N	Medium		
3	Stem	Brass	CW612N	Max. Temp		≤120 °C
4	Bonnet	Brass	CW612N			
5	Seal Ring	Teflon	PTFE			
6	Gland Packing	Teflon	PTFE			
7	Locking Nut	Brass	CW612N			
8	Packing Ring	Brass	CW612N			
9	Press Nut	Brass	CW612N			
10	Handwheel	Cast Iron	GG25			
11	Washer	Aluminium				
12	Nut	Stainless Steel	SS316			

Designs

1	Thread according to Female BS 21 parallel threads
2	Inspection and test according to EN 12266-1 :2003

Dimensions Unit : mm

Size	L	D	DN	H
1/2"	40	54	13	72
3/4"	43	54	15	78
1"	50	59	20	87
1-1/4"	52	73	26	102
1-1/2"	55	73	28	115
2"	65	79	43	135

Forged Brass Check Valve

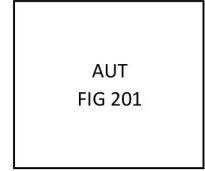
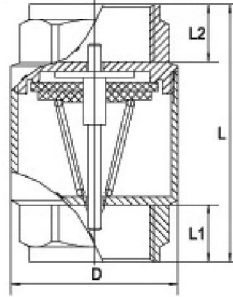
BODY MARKING



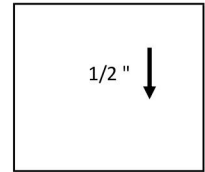
Front



Back



FRONT



BACK

Parts

No.	Parts name	Material	Grade	Technical Information	
				Opening Pressure	
1	Body	Brass	CW612N	0.03 Bar	
2	Bonnet	Brass	CW612N	Medium	Water
3	Disc	Brass	CW612N	Max .Temp	≤120 °C
4	Spring Seat	Brass	CW612N		
5	Gasket	Teflon	PTFE		
6	Spring	Stainless Steel	SS304		

Designs

1	Thread according to female BS 21 parallel threads
2	Glue are complied to NSF/ANSI 61
3	Inspection and test according to EN 12266-1 :2003

Dimensions

Unit : mm

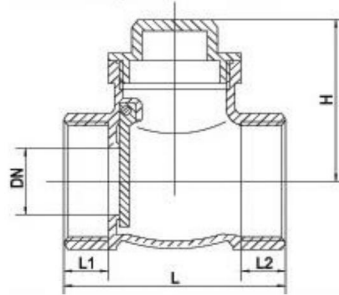
Size	L	L1	L2	D
1/2"	48	12	12.5	30
3/4"	53	14	14	37
1"	58	14.5	15	44
1-1/4"	66	15	15	56
1-1/2"	71	16	16	63
2"	80	16	17.5	78
2-1/2"	93	20	20	103
3"	104	24	24	120
4"	169	22.5	22.5	155

Forged Brass Ball Valve

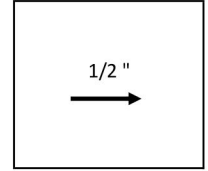


Front

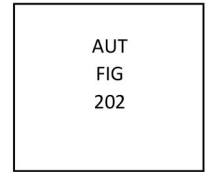
Back



BODY MARKING



FRONT



BACK

Parts

No.	Parts name	Material	Grade	Technical Information	
				Medium	Water
1	Body	Brass	CW612N	Medium	Water
2	Bonnet	Brass	CW612N	Max .Temp	≤120 °C
3	Disc	Brass	CW612N		
4	Gasket	Teflon	PTFE		

Designs

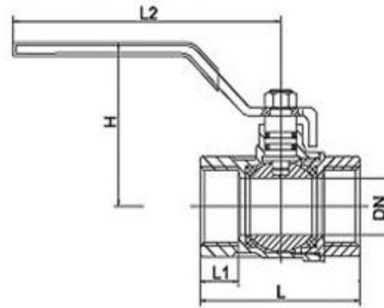
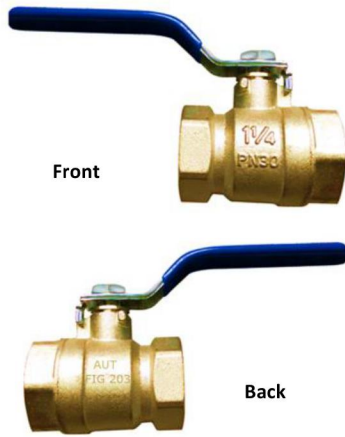
1	Thread according to female BS 21 parallel threads
2	Inspection and test according to EN 12266-1 :2003

Dimensions

Unit : mm

Size	D	L	L1	L2	H
1/2"	15	47	10.5	11.5	36
3/4"	20	53	12	12	39.5
1"	25	63	13	13	43.5
1-1/4"	32	70	13	13	49.5
1-1/2"	37	88	17	17	59.5
2"	47	97	20	23	67.5
2-1/2"	55	120	26	23	78.5
3"	70	135	25	27	86.5
4"	90	162	25	28	116

Forged Brass Ball Valve



BODY MARKING

1/4
PN 30

FRONT

AUT
FIG 203

BACK

Parts

No.	Parts name	Material	Grade	Technical Information	
1	Body	Brass	CW612N	Medium	Water
2	Bonnet	Brass	CW612N	Max .Temp	≤120 °C
3	Ball	Brass / Chrome	CW612N		
4	Gasket	Teflon	PTFE		

Designs

1	Thread according to female BS 21 parallel threads
2	Handle material stamped steel with Vinyl Grip
3	Inspection and test according to EN 12266-1 :2003

Dimensions

Unit : mm

Size	DN	L	L1	L2	H
1/2"	14	47	11.5	97.5	48
3/4"	18.5	54	12.5	97.5	52.5
1"	23	61.4	13	110	55
1-1/4"	29	73	14.5	139	71
1-1/2"	35	81	15.5	139	75
2"	45	96.5	16.5	165	84
2-1/2"	62	126	21	218	110
3"	75	149	25	218	118
4"	97	173	26	252	130

AUT

VALVE FLOW

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