



CLASS 400 FORGED BRASS BALL VALVE

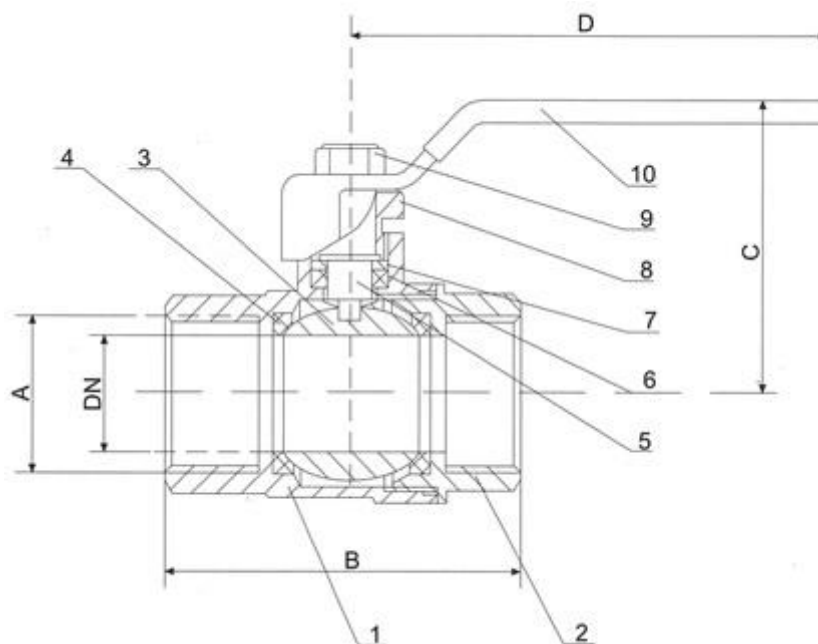
FIG. 214

Screwed body cap, PTFE seats, Blowout-proof stem.
Screwed ends to BS 21. Nickel plated body. Chrome plated ball.

MATERIALS

Part	Material
Body	Forged Brass*
Body Cap	Forged Brass*
Stem	Special Brass Rod
Ball	Forged Brass (chrome plated)
Seat	PTFE
O-Ring	PTFE
Handle	Steel (Vinyl Grip)

*For 4" valve, these parts are made of bronze.
Hydrostatic Test Pressure: Shell 600 psi.
Shell 80 psi. (Air)



DIMENSIONS

A	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
DN	10	10	14.5	19	24.5	31	39	49	62	73	89
B	42	42	50	55.6	66.6	75.7	87.2	102	133.2	148.2	171
C	41.7	41.7	43.2	45	54.3	65.3	79.7	87.5	109.4	117.4	131.9
D	75	75	85	85	104	118	150	150	245	245	280

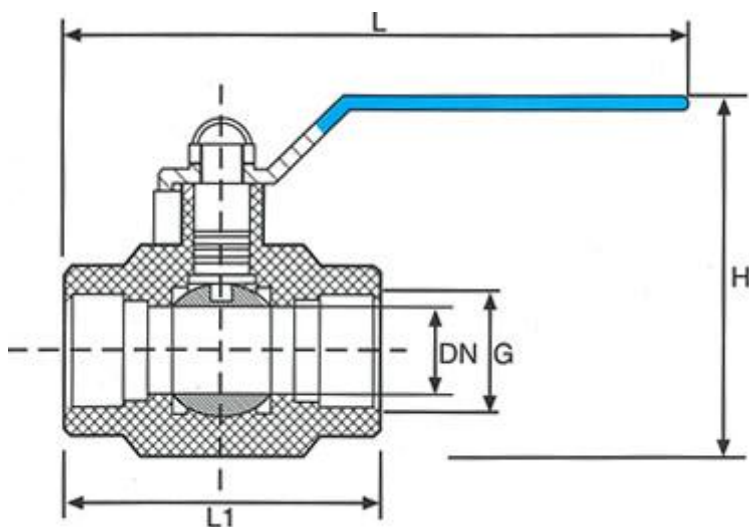


UNI-FLO NYLON BALL VALVES

FIG. 214NS/NB

Features:

1. Temperatures range -30°C to +120°C
2. Pressure 1600KPA
3. PTFE Seats
4. Chrome Plated Steel or Brass Ball
5. Nickel Plated Steel or Brass Blowout Proof Stem
6. Heavy Duty Chrome Plated lever with plastic sleeve.
7. 3 x NBR O Ring seals on stem
8. One piece moulded body



Tough, versatile Uni-Flo Nylon Ball Valves are the ideal low cost solution for fluid control often replacing more expensive brass valves. the valves have chrome plated steel or brass balls with nickel plated steel or brass stems. Seats are PTFE and O rings of NBR rubber. They are ideal for water supply and irrigation as well as being resistant to hydro carbons and many chemicals. The valves are suitable for temperatures of +30°C to +120°C and pressure of 1600KPA.

DIMENSIONS (mm)

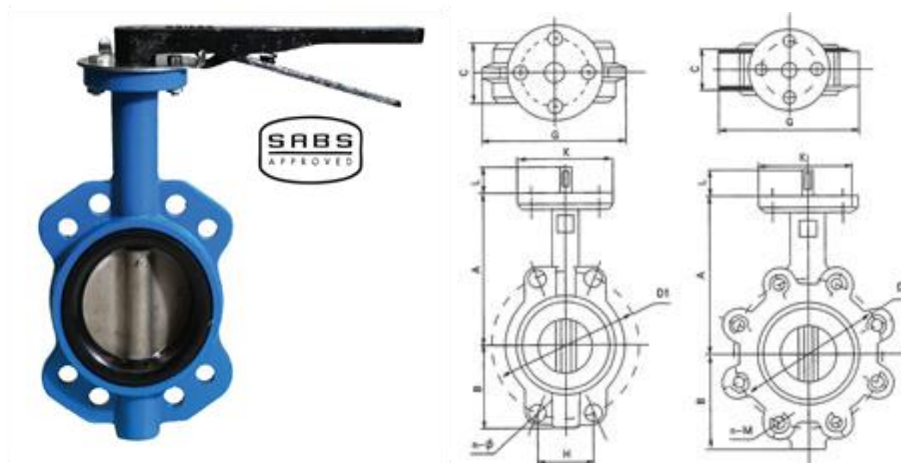
G	DN	L	L1	H
1/2"	15	125	61	70
3/4"	20	1140	68	85
1"	25	155	81	100
1 1/4"	32	175	90	120
1 1/2"	40	200	104	130
2"	50	205	124	145



UNI-FLO WAFER & LUG BUTTERFLY VALVES, PN16/CL125/150

Description:

1. Suitable Temperature: BUNA-N(NBR) $\leq 80^{\circ}\text{C}$; EPDM $\leq 120^{\circ}\text{C}$; VITON $\leq 150^{\circ}\text{C}$
2. Suitable Media: Fresh Water, Sewage, Sea Water, Air, Vapour, Food, Medicine, Oils, Acids, Alkalis, Salts. Etc



MATERIALS LIST

NO.	Part	Materials	Optional Materials
1	Body	Cast Iron	Ductile Iron, Carbon steel, Stainless steel
2	Seat	Buna-N or EPDM	Neoprene Hypalon, Viton Food Grade EPDM, PTFE
3	Disc	Ductile Iron	Aluminum Bronze, 316SS, 304SS, Steel
4	Shaft	SS410	304, 316 Stainless Steel, Monel
5	Key	Carbon Steel	None
6	O-Ring	Buna-N	None
7	Bushing	Lubricated Bronze	Fiberglass Backed PTFE

Torque in Newton Metres (N.M)

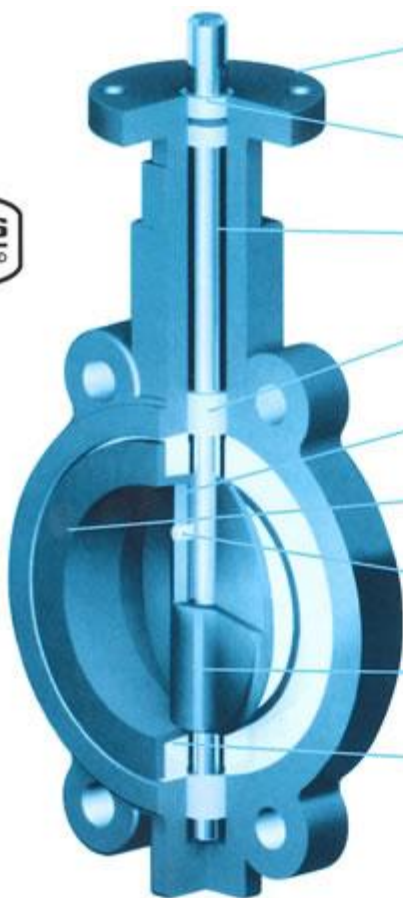
Dimensions	PN10(N.M)	PN16(N.M)	Dimensions	PN10(N.M)	PN16(N.M)
DN50	9.8	12.7	DN250	163.6	261.76
DN65	11.5	14.96	DN300	203	263.9
DN80	15.6	20.28	DN350	432	561.6
DN100	23	29.9	DN400	622	870
DN125	40.3	52.39	DN450	829	1160.6
DN150	53	68.9	DN500	1036	1450.4
DN200	76.6	99.58	DN600	1313	1838.2

DIMENSIONS(mm)

DN	A	A**	B	B**	C	TypeA	TypeLT	K	L	D1*	D2*	n-ø*	n-M*	A/LT(kg) weight
50	161	130	80	70	42	100	121	90	30	120	125	4-19	4-M16	2.9/4
65	175	136	90	78	44	120	138	90	30	136.2	145	4-19	4-M16	3.4/5
80	181	140	95	92	46	127	146	90	30	160	160	8-19	8-M16	4.6/6
100	200	152	114	106	52	156	206	90	30	185	180	8-19	8-M16	5.3/7.5
125	213	170	127	121	54	190	234	90	30	215	210	8-19	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	202	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	12-28	12-M20 12-M24	23.5/27
300	337	293	242	233	76.5	403	468	125	32	407	400 410	12-28	12-M20 12-M24	35/38.5
350	370		270		76.5	430	515	140	45	467	460 470	16-28	16-M24 16-M20	42.5/72
400	400		300		86	485	580	197	51	515 425	515 525	16-31	16-M24 16-M27	52/90
450	422		320		102	537	627	197	51	565 585	565 585	20-28 20-31	20-M24 20-M27	87/111
500	480		360		128	592	696	197	64	620 650	520 550	20-28 20-31	20-M24 20-M30	98/123
600	562		420		151	706	821	210	70	725 770	725 770	20-31 20-37	20-M27 20-M33	133/178



UNI-FLO HIGH PERFORMANCE WAFER BUTTERFLY VALVE



- 1 **Actuator flange:**
Permits installation of all automatic actuators, hand levers, gear-boxes according to ISO 5211.
- 2 **Shaft seal:**
To protect against penetration of moisture and dust from outside.
- 3 **One-piece shaft:**
Guarantees exact positioning of disk in seat.
- 4 **Lubricated bronze bushes:**
Reduce torque and prevents "corrosion" of the shaft.
- 5 **Fine machine sealing faces:**
Forms an effective sealing in flow direction and towards shaft.
- 6 **Flange fitting surface:**
No flange gaskets required.
- 7 **Tapered precision pin:**
Safe, vibration-resistant joint between disc and shaft.
- 8 **Optimum disc profile:**
Guarantees exact positioning of disk in seat.
- 9 **Seat with back-up ring:**
The elastomer is vulcanised onto a back-up ring. Arching and stretching during opening and closing of disc, a frequent reason for seat leakage towards the shaft, as well as wear and increased torque are prevented.

Why the cartridge seat design is better!



Cartridge



Dovetail

Uni-Flo Cartridge Type Seat (Phenolic Backed)

Elastomer is supported by hard phenolic backing which eliminates seat shifting during installation.

Seat to disc seal is independent of flange support and capable of full rated dead end service.

Static seat design allows disc to sweep into seat for lower, more consistent torque.

Smaller mass of elastomer minimizes seat swell.

Common Booted type Seat (Dovetail Design)

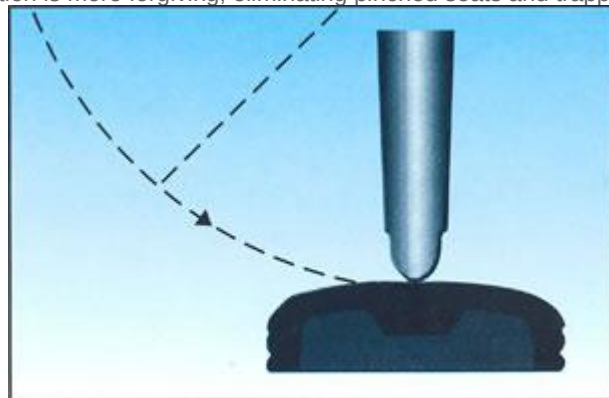
Dynamics of seat based on being installed between two flanges making seat subject to distortion during installation.

Standard seat design is not rated for full pressure on dead end service.

Disc is designed to push into seat causing distortion and inconsistent torque.

Overabundance of elastomer exaggerates any swelling.

The most critical aspect of the butterfly valve is the cartridge seat design. It was introduced to alleviate installation problems associated with the "dove tail design" (booted) seats. The cartridge seat is a unified, rigid component that is formed by bonding an elastomer to a hard, dense phenolic composite ring, which is inserted into the valve body. The phenolic backing keeps the elastomer from shifting during installation, reducing seat tearing and fatigue caused by bunching. Installation is insensitive to all flange types and disc orientation is more forgiving, eliminating pinched seats and trapped discs.



Valve torque is lower and more consistent because the seat dynamics do not rely on being mated between two flanges. Precision machining of the disc and body allow the cartridge design to maintain a tighter disc to seat tolerance, providing a perfect low torque seal each and every time the valve is cycled.



UNI-FLO HIGH PERFORMANCE DOUBLE ECCENTRIC BUTTERFLY VALVE

SANS 1849:2008

Description:

1. Design: BS5155, BSEN593
2. Face to face: ISO5752 14 (BS EN558-1 Series 13)
DIN3202 F4 (EN558-1 Series 14) *Face to face can be other options
3. Testing: BS6755

General Specifications

Design Type

Double Offset, double flanged, bi-directional High Performance Butterfly valve.

Acceptable Media

Water and neutral liquids

Operating Pressure Range

PN10, PN16, PN25

Operating Temperature Range

0° to 70°

Size Range

DN100 to DN2000

Standard Factory Tests

Seat 1.1 x PN, Body 1.5 times PN

End Connections

SABS 1123, BS4504, ANSI B 16.1 & B16.5

Design and Operating Options

Electric or Hydraulic actuation

Full Rubber Lining of Body

Seal in Disk or Seal in Body or Metal to Metal Seat

Alternative materials of construction

Applicable Standards

BS 5155 / BS EN 593

BS EN 558 -1 Series 13 & 14



Material of Construction

NO.	NAME OF PART	MATERIAL	BS DESIGNATION	
1	Bolt	Steel / SS.		
2	End cover	Ductile Iron	BS2789	Gr 450 / 10
3	O - Ring	EPDM	BS2494	
4	Bushes	Du Bushes		Self lubricating bushes
5	Body	Ductile Iron	BS2789	Gr 450 / 10
6	Shaft (1)	Stainless Steel	BS970	Gr 420 / 304
7	Disc	Ductile Iron	BS2789	Gr 450 / 10
8	Retaining ring	Stainless Steel	BS2789	Gr 304 / 316
9	Rubber sealing	EPDM	BS2494	
10	Body sealing ring	Stainless Steel	BS970	Gr 304 / 316
11	Stuffing	EPDM	BS2494	
12	Stuffing box	Gunmetal	BS1400	LG2
13	Shaft (2)	Stainless Steel	BS970	Gr 420 / 304
14	Manual actuator			



BS5153/BS4090 CAST IRON FLANGED CHECK VALVE

FIG.401A

Description:

1. Design and Manufacture conforms to BS5153
2. Flange dimensions conforms to BS4504 PN16
3. Face to Face dimensions conforms to BS5153 PN16
4. Testing conforms to BS6755
5. If special request, the valve can be with external Lever and Counter Weight (L.W.)



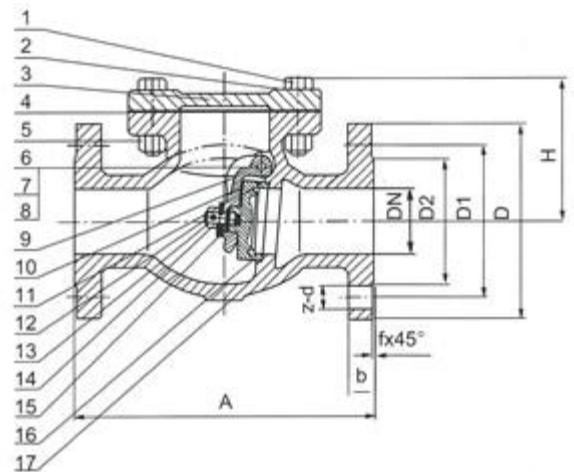
DIMENSIONS (mm)

DN	A	D	D1	D2	b	z-d	f	≈ H
50	203	165	125	99	20	4-19	3	112.2
65	216	185	145	118	20	4-19	3	132.5
80	241	200	160	132	22	8-19	3	141.5
100	292	220	180	156	24	8-19	3	163
125	330	250	210	184	26	8-19	3	197
150	356	285	240	211	26	8-23	3	212
200	495	340	295	266	30	12-23	3	257
250	622	405	355	319	32	12-28	3	298.5
300	698	460	410	370	32	12-28	4	330.5
350	787	520	470	429	36	16-28	4	364
400	914	580	525	480	38	16-31	4	420
450	965	640	585	548	40	20-31	4	618
500	1067	715	650	609	42	20-34	4	622
600	1219	840	770	720	48	20-37	5	764

* Flange dimensions can be as BS 10 TABLE D/E

MATERIALS LIST

NO.	PART	MATERIAL	STANDARD
1	Bolt	Steel	BS 970 43A
2	Identification Plate	Aluminum	
3	Bonnet	Cast Iron	BS 1452 Gr220
4	Body Gasket	Graphite	
5	Nut	Steel	BS 970 43A
6	Side Plug	Brass	BS 2874 CZ122
7	Gasket	Fiber	
8	Hanger Pin	Brass	BS 2874 CZ122
9	Hanger	Ductile Iron	BS 2789 Gr420-12
10	Disc	Cast Iron	BS 1452 Gr220
11	Disc Ring	Cast Bronze	BS 1400 LG2
12	Washer	Steel	BS 970 43A
13	Split Pin	Stainless steel	BS 970 420S37
14	Disc Nut	Steel	BS 970 43A
15	Stud Bolt	steel	BS 970 43A
16	Seat Ring	Cast Bronze	BS 1400 LG2
17	Body	Cast Iron	BS 1400 Gr220





UNI-FLO SILENT SWING CHECK VALVE FLANGED, PN16

FIG.401S

Description:

1. Available medium: Water
2. Face to Face: Din 3203 F6, BS5153
3. Flanges: DIN2501, BS4504
4. Working temperature NBR $\leq 80^{\circ}\text{C}$; EPDM $\leq 120^{\circ}\text{C}$

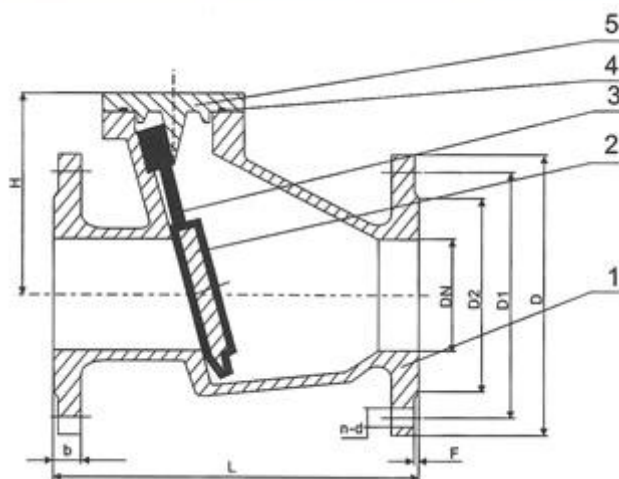


DIMENSION(mm)

DN	D	D1	D2			F	H	b	n-d
50	165	125	102	203	200	3	118	19	4-19
65	185	145	122	216	240	3	135	19	4-19
80	200	160	138	241	260	3	160	19	4-19
100	220	180	158	292	300	3	182	19	8-19
125	250	210	188	330	350	3	205	19	8-19
150	285	240	212	356	400	3	235	22	8-23
200	340	295	268	495	500	3	275	22	12-23
250	405	355	320	622	600	3	320	26	12-28
300	460	410	378	698	700		365	28	12-287

MATERIALS LIST

NO.	PART	MATERIAL
1	BODY	GG25/GGG40
2	FRAME	GGG40
3	DISC	NBR/EPDM
4	RUBBER RING	NBR
5	COVER	GG25/GGG40





UNI-FLO FLANGED CHECK VALVE SABS 1551-1 SHORT,

with or without bypass valve and lever weight

FIG.401S

Description:

1. Available medium: Water
2. Face to Face: Din 3203 F6, BS5153
3. Flanges: DIN2501, BS4504
4. Working temperature NBR $\leq 80^{\circ}\text{C}$; EPDM $\leq 120^{\circ}\text{C}$

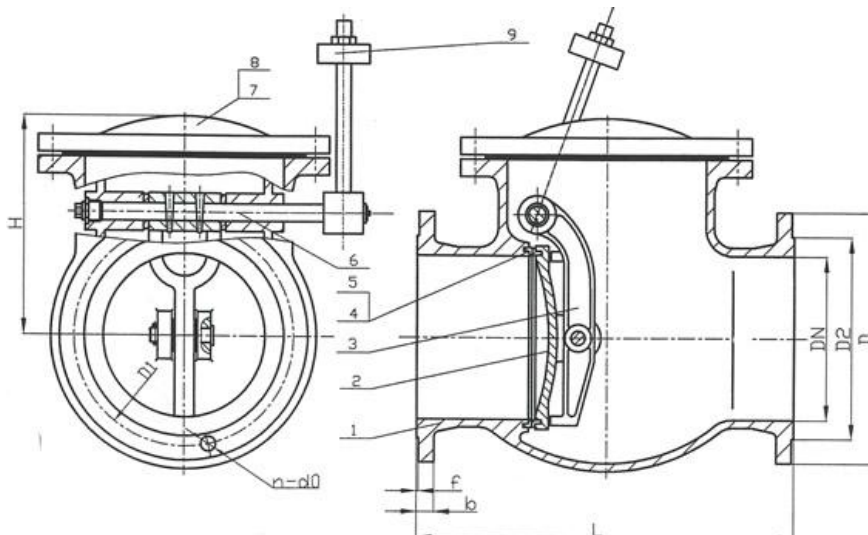


600	1.6	1219	840	770	725	36	5	608	20-Ø36
500	1.6	1067	715	650	610	31.5	4	525	20-Ø33
450	1.6	965	640	585	548	30	4	512	20-Ø30
400	1.6	914	580	525	490	28	4	480	16-Ø30
350	1.6	787	520	470	438	26.5	4	430	16-Ø27
300	1.6	698	460	410	378	24.5	4	368	12Ø27
250	1.6	622	405	355	320	22	3	344	12Ø27
200	1.6	495	340	295	268	20	3	303	12Ø23
150	1.6	356	285	240	212	19	3	266	8Ø23
125	1.6	330	250	210	188	19	3	203	8Ø18
100	1.6	292	220	180	158	19	3	169	8Ø18
DN (mm)	PN (MPa)	L	D	D1	D2	b	f	H	n-d0

No.	Name of part	material
9	Lever & Weight	
8	Gasket	EPDM
7	Bonnet	Ductile Iron
6	Shaft	S. Steel
5	Body Seal ring	Gunmetal
4	Disk sealing ring	Gunmetal
3	Rocker	Ductile Iron
2	Disk	Ductile Iron
1	Body	Ductile Iron

Specification:

Nominal pressure (MPa)	1.6
Testing pressure (MPa)	Body shell 2.4
	Seal 1.76
Working pressure (MPa)	1.6
Suitable temperature ($^{\circ}\text{C}$)	≤ 80
Suitable medium	Water products

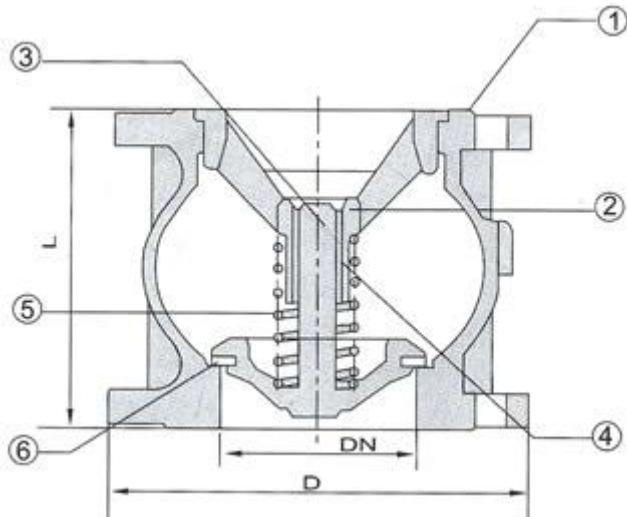


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UNI-FLO DIN SILENT LIFT CHECK VALVE FLANGED END, PN16

FIG.401L



MATERIALS LIST

NO.	Part	Material
1	BODY	CAST IRON GG25
2*	GUIDE	DUCTILE IRON GGG40
3	GUIDE STEM	SS or D.I.
4	BUSHING	BRASS/PTFE
5	SPRING	STAINLESS STEEL
6	SEAL	NBR/EPDM/VITON

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

DIMENSIONS(mm)

DN	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	275	222	200
200	300	340	332	278	250
250	370	405	385	329	300
300	410	460	445	384	350



UNI-FLO THIN WAFER SWING CHECK VALVE, PN16

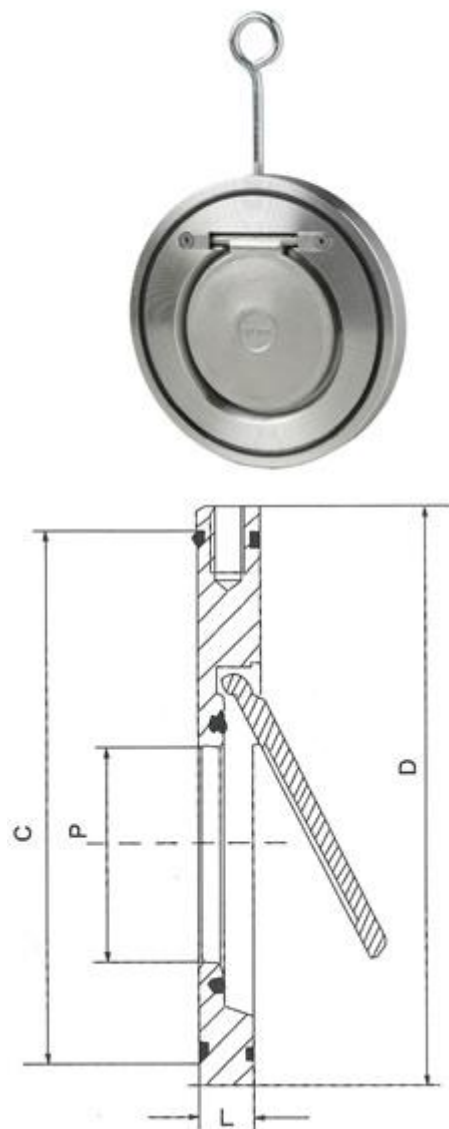
Description:

1. Design and manufacture: AP16D
2. Face to Face: AP16D
3. Test and check: AP1598
4. Suitable Temperature: NBR: -10~-80°C; EPDM: -10~-120°C; VITON: 10~-150°C;
5. Medium: Fresh water, Sea water, Washer water, food stuff, All kinds of oil, Weak acid and alkaline liquid etc.

MATERIALS LIST

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

*STEEL IS CALVANISED OR CHROME PLATED



DIMENSIONS(mm)

DN	D			P	L	
	PN16	Table D	ANSI 125/150		PN16	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	196	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

Head losses chart refers to water at 20°C

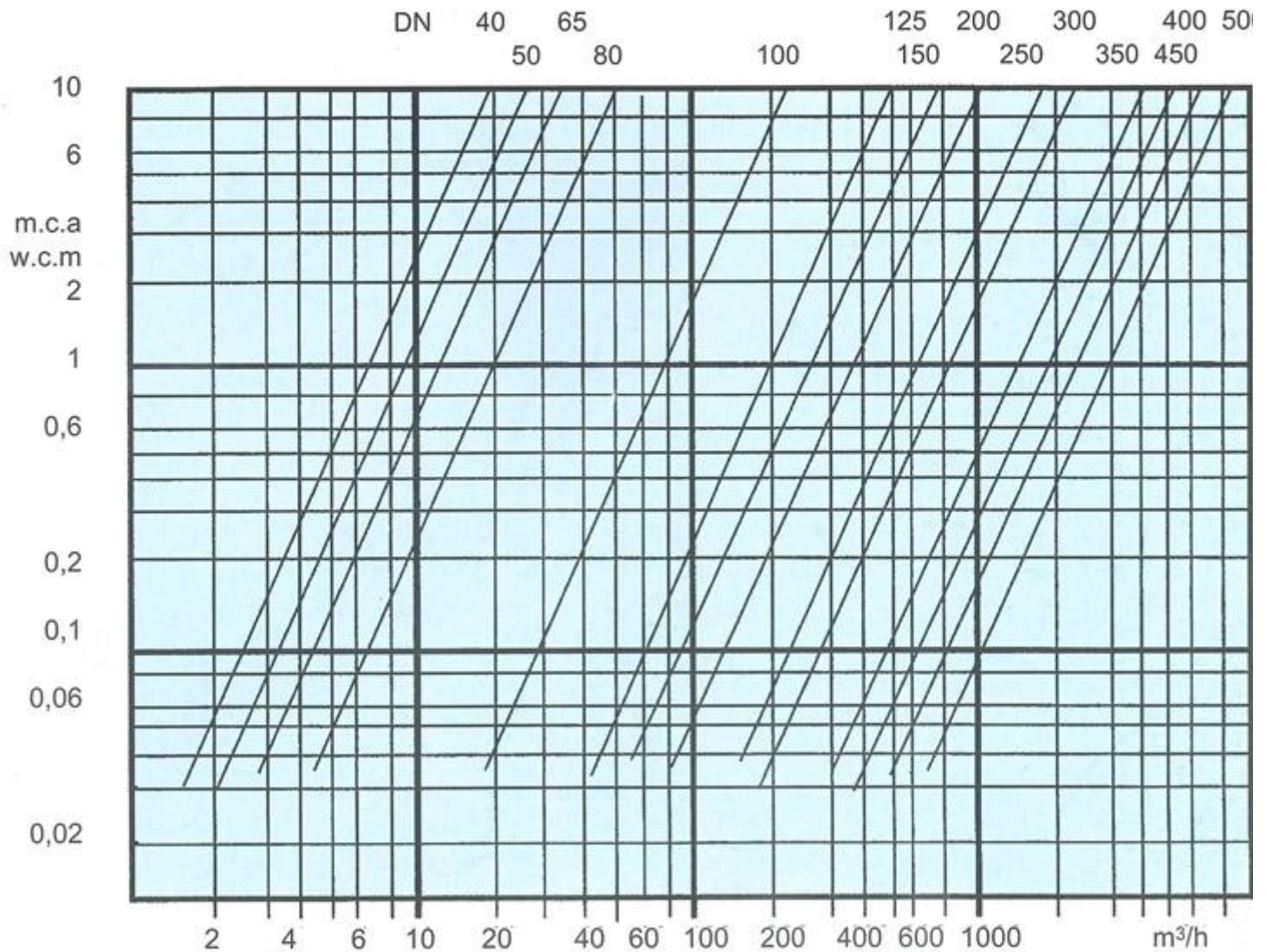
For different mediums the equivalent water flow can be found by the following relationship:

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$$Q_e = Q \sqrt{\frac{d}{1000}}$$

ove: Q_e = equivalent water flow [m^3/h]
 Q = medium flow at working conditions [m^3/h]
 d = medium density [kg/m^3]



notes: - w.c.m. = water column meter



FIG.302

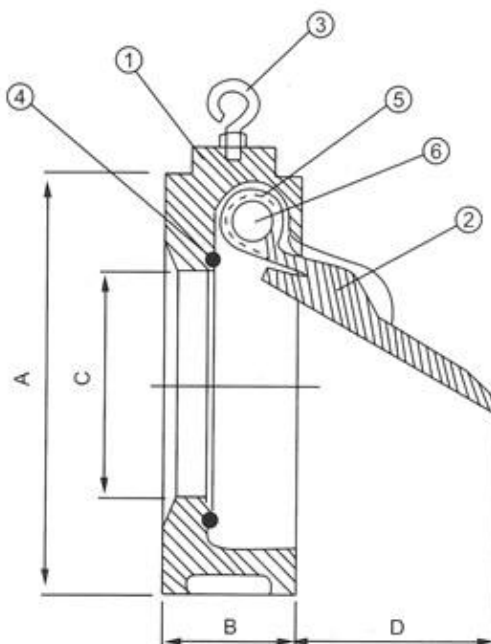
UNI-FLO SINGLE DISC WAFER SWING CHECK VALVE

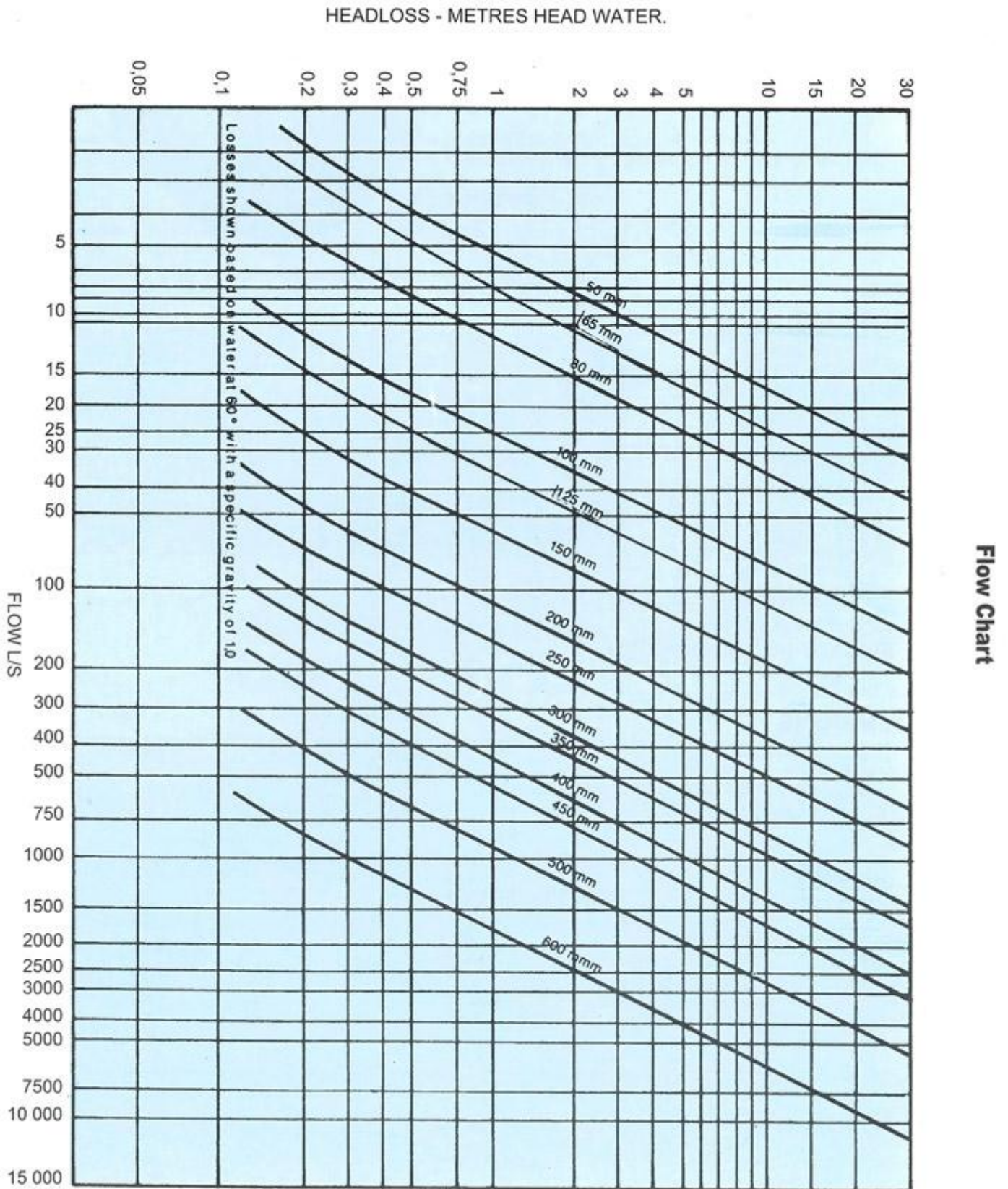
Normal Pressure	PN16	PN25
Sealing Test Pressure	1.76MPa	2.75MPa
Strength Test Pressure	2.4MPa	3.75MPa
Suitable Temperature	NBR:-10 - +80°C	
	EPDM:-10 - +120°C	
	VITON:-10 - +150°C	
Medium	fresh water, sea water, waste water, foodstuff, steam, oil, weak acid & alkaline liquid, etc	



DIMENSIONS

DN	A			B	R	CV
	DIN 2501 PN16/PN25	Table D	ANSI 125/150	EN558-1		
50	109/109	98	4-1/8"	43	28.8	80
65	129/129	111	4-7/8"	46	36.1	90
80	144/144	130	5-3/8"	64	43.4	150
100	164/170	162	6-7/8"	64	52.8	300
125	194/196	194	7-3/4"	70	65.7	500
150	220/226	219	8-3/4"	76	78.6	900
200	275/286	276	11"	89	104.4	1700
250	330/343	337	13-3/8"	114	127	3000
300	380/403	387	16-1/8"	114	147	4000
350	440	448	17-3/4"	127	172.4	5350
400	491	499	20-1/4"	140	7400	
450	541	562	21-5/8"	152	217.8	10000
500	600	619	23-7/8"	152	241	13000
600	698	731	28-1/4"	178	295.4	24000







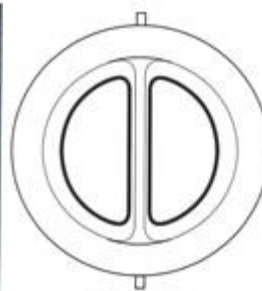
UNI-FLO DOUBLE DISC WAFER SWING CHECK VALVE

FIG.301

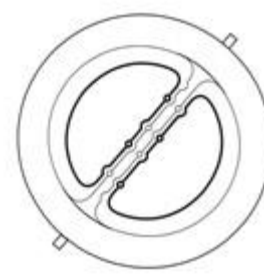
Description:

1. Suitable Temperature: BUNA-N(NBR) $\leq 80^{\circ}\text{C}$; EPDM $\leq 120^{\circ}\text{C}$; VITON $\leq 150^{\circ}\text{C}$
2. Suitable Media: Fresh Water, Sewage, Sea Water, Air, Vapour, Food, Medicine, Oils, Acids, Alkalis, Salts. Etc

Normal Pressure	PN16
Strength test pressure	1.76MPa
	2.4MPa
Suitable temperature	NBR:-10 - +80°C
	EPDM:-10 - +120°C
	VITON:-10 - +150°C
Medium	Fresh water, Sea water, Waste water, food stuff, All kinds of oil, All kinds of acid and alkaline liquid etc.



CORRECT



INCORRECT

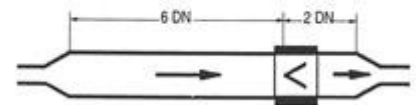
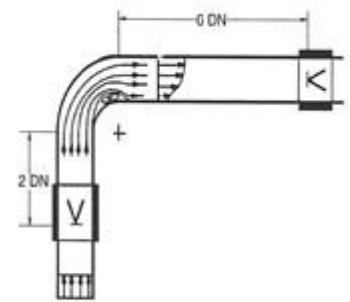
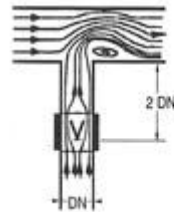
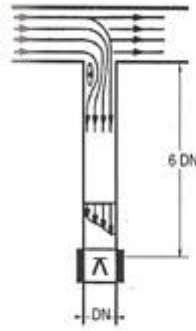
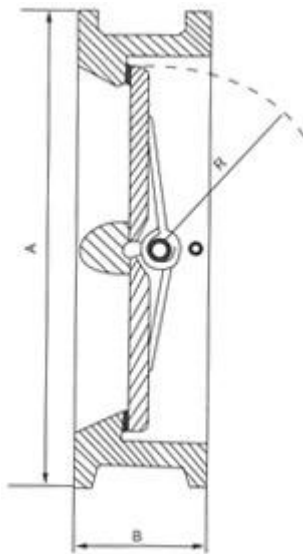
DIMENSIONS (mm)

DN	A			B	C	D
	BS TD &E	ANSI125/150	DIN2501			
50	96	104.8	107	44.5	33.3	28.6
65	109	123.8	127	47.6	42.9	30.2
80	128	136.5	142	50.8	52.4	55.6
100	160	174.6	162	57.2	76.2	74.6
125	191	196.9	192	63.5	95.3	95.3
150	212.6	222.3	218	69.9	163.5	155.6
200	270	279.7	273	73	120.7	114.3
250	333	339.7	328	79.4	193.7	187.3
300	380.8	409.6	378	85.7	241.3	222.3
350	447.7	450.9	446	108.0	266.7	288.6
400	498.5	514.4	498	108.0	317.5	247.7

HYDRAULIC CHARACTERISTICS

DN		Flow coefficient full open position		Zeta	DN		Flow coefficient full open position		Zeta
mm	inch	Kvo	Cvo		mm	inch	Kvo	Cvo	
50	2	75	87	1.77	250	10	2300	2668	1.18
65	2 1/2	112	130	2.27	300	12	3850	4466	0.87
80	3	141	163	3.29	350	14	4600	5336	1.13
100	4	240	278	2.77	400	16	6000	6960	1.13
125	5	450	522	1.92	450	18	8500	9860	0.91
150	6	750	870	1.43	500	20	10000	11600	0.99
200	8	1300	1508	1.51	600	24	12500	14500	1.32

Units: Kvo in $\text{m}^3/\text{h}/\text{bar}^{1/2}$ - Cvo in $\text{gallon}/\text{mn}/\text{PSI}^{1/2}$



OPTIMUM INSTALLATION

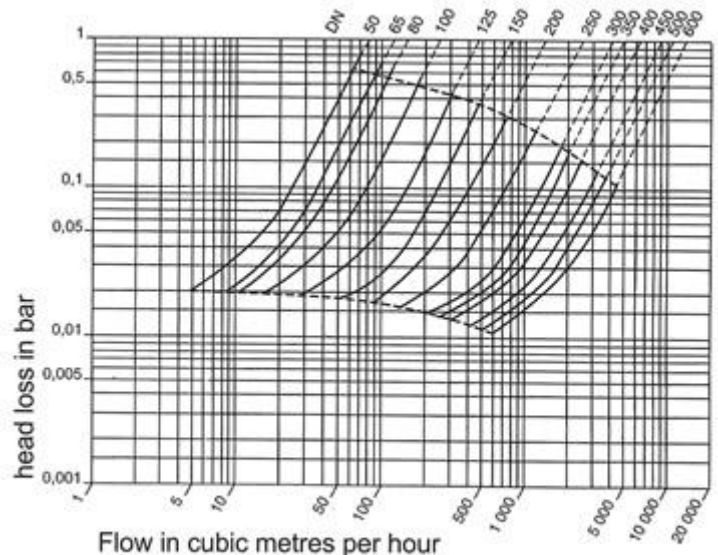
In a horizontal pipe, the check valve must always be installed with its hinge in the vertical position.

In a piping system, some minimum distances must be respected between the check valve position and a bend or a tee. the following drawings show some horizontal pipe configurations (viewed from above) in which the check valve is installed with its hinge pin in the vertical position.

the minimum recommended distance for a check valve installed downstream from a bend, tee, pump or valve causing flow disturbance is 6 diameters.

When such a unit downstream of the check valve, it is necessary to respect a distance of at least 2 diameters.

Pressure drops in water flow



Flow in cubic metres per hour

The curves in continuous line define the flow range for the optimum use of the check valve.



UNI-FLO BALL CHECK VALVE BCV

Description:

1. Silent closing, no water hammer
2. Good sealing
3. Full bore flow, large flow
4. Small resistance
5. Loss or water head is 50% lower than swing check valves
6. Installation: horizontal or vertical



TEST

Working Pressure	PN16
Shell Test Pressure	2.4MPa
Seal Test Pressure	1.76MPa
Working Temperature	- 10°C - +80°C
Medium	Water, Sewage Heavy Thick and Viscous Liquid

MATERIALS LIST

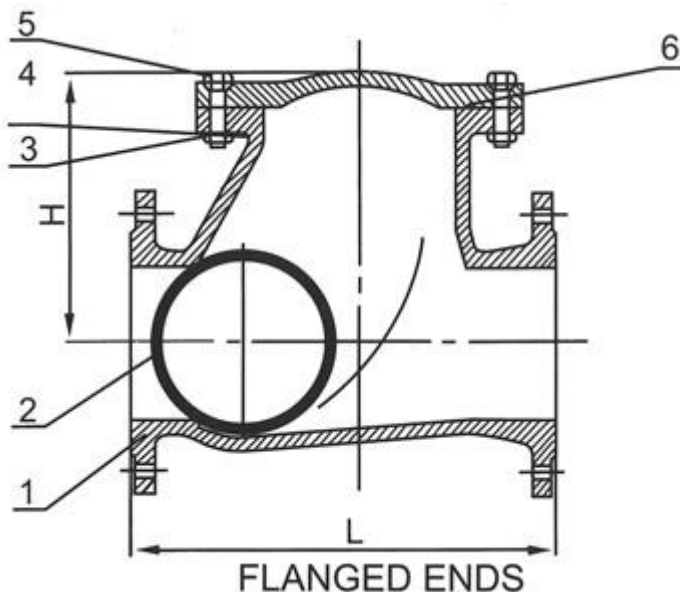
No.	Part	Material
1	Body	GG25/GGG40
2	Ball	Carbon steel Rubber Wrapped
3	Cover	GG25/GGG40
4	Bolt	Carbon steel Zinc plated
5	Nut	Carbon steel Zinc plated
6	O-Ring	NBR
7	O-Ring	NBR

DIMENSIONS (FLANGED END)

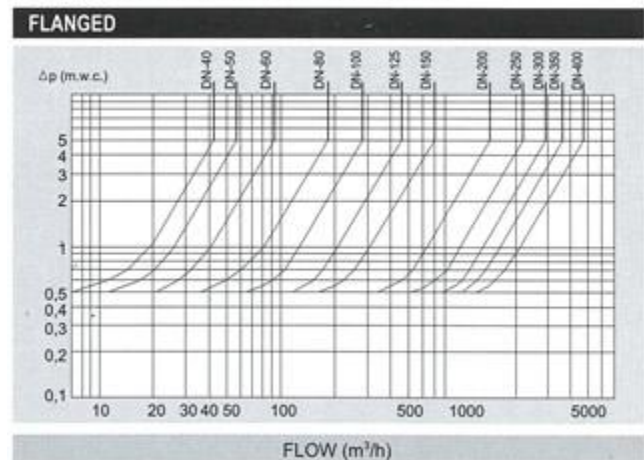
DN		50	65	80	100	125	150	200	250	300
	Pn10/16	200	240	260	300	350	400	500	600	700
L (mm)	CL125	203	216	241	292	330	356	495	622	698
≈ H (mm)		126	145	173	186		287.5	320	443.7	529.4

*FACE TO FACE DIMENSIONS "L" ARE PER DIN3202 F6(EN558-1 Basic series 48)

*FLANGES CAN BE AS DIN2501, BS4504, ANSI CL125, ETC.



PRESSURE DROP CURVE



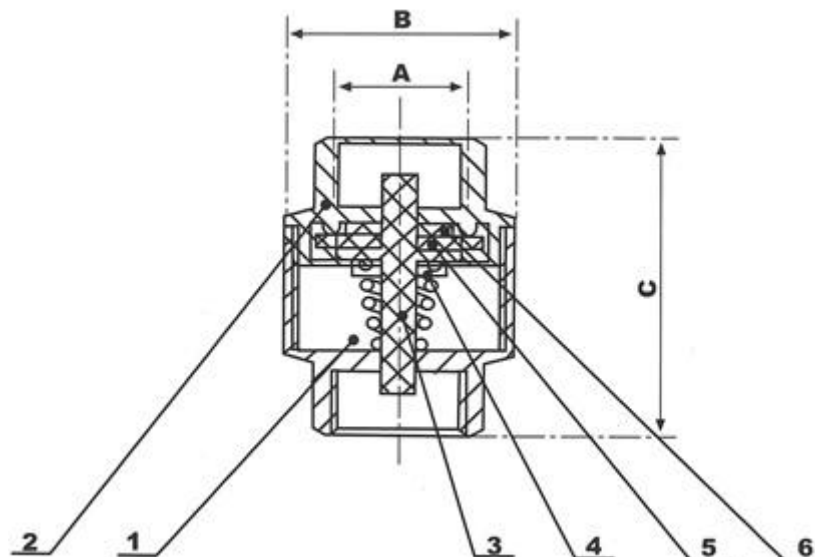


BRASS SPRING CHECK VALVE - FIG 201



A	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
B	35.5	41.7	47.2	59.3	67.6	83.7	95.5	110.5	144.5
C	46.8	51.4	59.5	64.5	73.3	80.2	93	100	112

6	WASHER	ABS
5	RUBBER WASHER	NBR
4	SPRING	STAINLESS STEEL
3	DISC	BRASS
2	BONNET	BRASS
1	BODY	BRASS

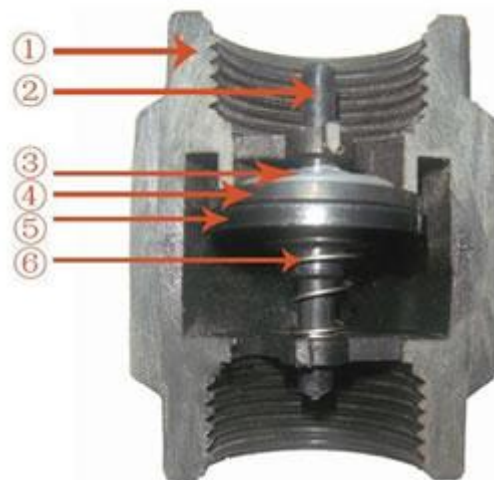




UNI-FLO NYLON SPRING CHECK VALVE

1600 KPA
-20 TO 120 Deg, C

1. BODY: PA66+30% Fiber Glass;
2. DISC: Polycarbonate
3. WASHER: PP-R;
4. RUBBER WASHER: EPDM;
5. DISC: Polycarbonate
6. Spring: 304 stainless steel;



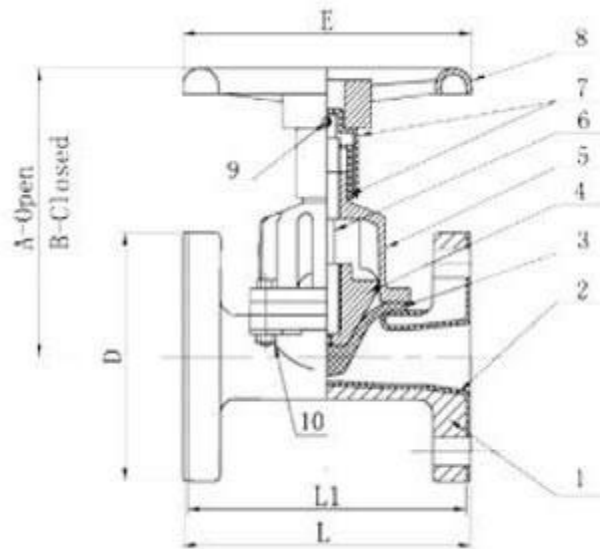
NYLON AND POLYCARBONATE HAVE EXCELLANT RESISTANCE
TO MANY CHEMICALS AS WELL AS ABRASIVE MATERIALS



UNI-FLO STRAIGHT THROUGH DIAPHRAGM VALVE

Feature

1. Design and manufacture conform to BS5156.
2. Flange dimensions confirm to BS4504 PN10
3. Working pressure:
DN50-DN100 1.0Mpa
DN125-150 0.6Mpa
DN200 0.35Mpa



MATERIALS LIST

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

DIMENSIONS(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



UNI-FLO INDUSTRIAL PATTERN GATE VALVES OF CAST IRON

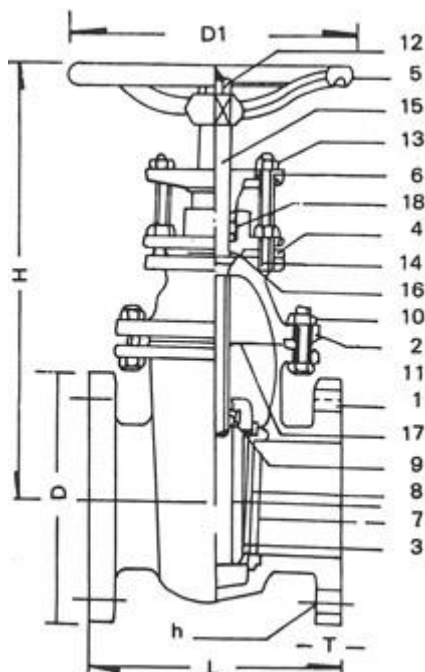
WITH BRASS RESP. BRONZE TRIM INSIDE SCREW, NON-RISING STEM, BOLTED BONNET, SOLID WEDGE DISC,

Fig.549 L

1. Can be changed with indicator on gland
2. Face-to-face dimensions conforms to BS 3464
3. The dimensions and drilling of end flanges conform to BS 10 table E or D.

DIMENSIONS

MARK	SIZE										
		1-1/2	2	2-1/2	3	4	5	6	8	10	12
FACE-TO-FACE	L		146	159	165	171	190	210	241	273	305
FLANGE DIAMETER	D		165	185	200	220	250	285	340	405	460
NUMBER OF HOLES	N		4	4	8	8	8	8	12	12	12
HOLE DIAMETER	h		18	18	18	18	18	22	22	26	26
FLANGE THICKNESS	T		18	18	20	20	22	22	24	26	28
CENTRE-TO-TOP	H		252	270	308	367	433	486	588	697	792
WHEEL DIAMETER	D1		165	165	165	242	266	345	345	376	450
NET WEIGHT	LBS		30.8	37.4	44	61.6	85.8	112.2	173.8	299.2	407



Primary service pressure non-shock (psi)	Hydrostatic test pressure (psi)	
	Shell	Seat
150	300	200

NOMENCLATURE AND MATERIALS:

PART NO.	NAME OF PART	MATERIAL
1	BODY	CAST IRON
2	BONNET	CAST IRON
3	DISC	CAST IRON
4	STUFFING BOX	CAST IRON
5	HAND WHEEL	CAST IRON
6	GLAND FLANGE	CAST IRON
7	BODY SEAT RING	CAST BRONZE
8	DISC SEAT RING	CAST BRONZE
9	DISC NUT	CAST BRONZE
10	BONNET NUT	STEEL
11	BONNET BOLT	STEEL
12	WHEEL NUT	STEEL
13	GLAND BOLT NUT	STEEL
14	GLAND BOLT	STEEL
15	STEM	STAINLESS STEEL
16	GASKET	ASBESTOS JOINT SHEET
17	GASKET	ASBESTOS JOINT SHEET
18	GLAND PACKING	ASBESTOS GRAPHITE



UNI-FLO INDUSTRIAL PATTERN GATE VALVES OF CAST IRON

WITH BRASS RESP. BRONZE TRIM OUTSIDE SCREW & YOKE, RISING STEM, BOLTED BONNET, SOLID WEDGE DISC,

Fig.549 LR

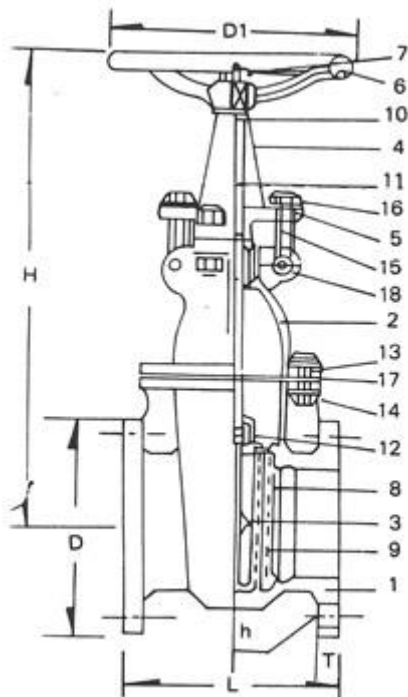
Face-to-face dimensions conforms to BS 3464

The dimensions and drilling of end flanges conform to BS 10 table E or D.

Yokes are intergral with bonnets, sizes 3-inch and smaller.

DIMENSIONS

MARK	SIZE										
		1-1/2	2	2-1/2	3	4	5	6	8	10	12
FACE-TO-FACE	L		146	159	165	171	190	210	241	273	305
FLANGE DIAMETER	D		165	185	200	220	250	285	340	405	460
NUMBER OF HOLES	N		4	4	8	8	8	8	12	12	12
HOLE DIAMETER	h		18	18	18	18	18	22	22	26	26
FLANGE THICKNESS	T		18	18	20	20	22	22	24	26	28
WHEEL DIAMETER	D1		165	165	195	242	266	292	345	376	450
CENTRE-TO-TOP	H		315	345	392	483	569	630	777	909	1050
NET WEIGHT	LBS		37.4	41.8	48.4	74.8	101.2	132	200.2	325.6	499.4



NOMENCLATURE AND MATERIALS:

PART NO.	NAME OF PART	MATERIAL
1	BODY	CAST IRON
2	BONNET	CAST IRON
3	DISC	CAST IRON
4	YOKE	CAST IRON
5	GLAND FLANGE	CAST IRON
6	HANDWHEEL	CAST IRON
7	HANDWHEEL NUT	CAST IRON
8	BODY SEAT RING	CAST BRONZE
9	DISC SEAT RING	CAST BRONZE
10	YOKE NUT	CAST BRONZE
11	STEM	STAINLESS STEEL
12	STEM NUT	STEEL
13	BONNET BOLT	STEEL
14	BONNET NUT	STEEL
15	GLAND EYE BOLT	STEEL
16	GLAND NUT	STEEL
17	BONNET GASKET	ASBESTOS
18	STEM PACKING	GRAPHITE



UNI-FLO RESILIENT WEDGE GATE VALVE, FLANGED END

FIG. RSV

Description:

1. Design conforms to: DIN3352, BS5163, S.1.6.1, SABS 664/665
2. Flanges drilled conforms to DIN2501/BS4504
3. Normal pressure: 1.6MPa
Shell test pressure: 2.4MPa
Seal test pressure: 1.76MPa
4. Suitable medium: water and neutral liquid
5. Suitable temperature: NBR ≤ 80°C, EPDM ≤ 120°C

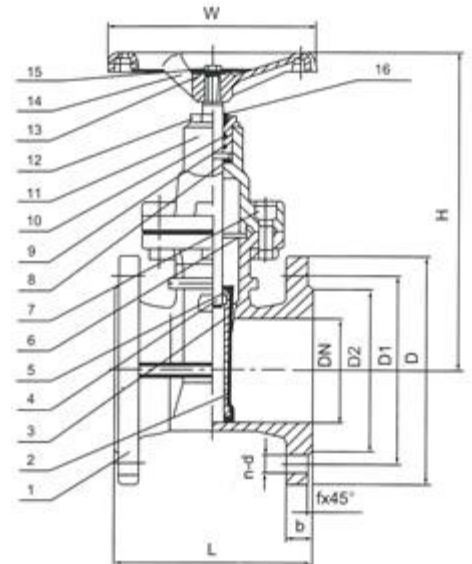
DIMENSIONS (mm)

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



MATERIALS LIST

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 420S37
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	





RESILIENT WEDGE GATE VALVE, SOCKET END

FIG. RSVS

Description:

1. Conforms to DIN-EN558-1series 13 and ISO5752 basic 13 and SAS 14-15/11396H and SABS 664/665
2. Working Pressure: 1.6MPa
- Shell test pressure: 2.4MPa
- Seal test pressure: 1.76MPa
4. Suitable medium: water and neutral liquid
5. Working temperature: NBR $\leq 80^{\circ}\text{C}$, EPDM $\leq 120^{\circ}\text{C}$

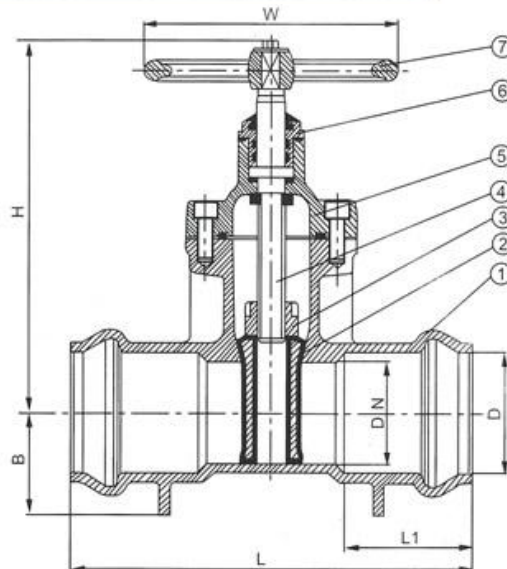
DIMENSIONS (mm)

SIZE	L	D	L1	H	B	W
50/63	335	66	88	270	70	180
65/75	335	79	93	283	76	180
80/90	335	93	100	290	80	200
100/110	335	113	108	335	95	250
125/125		128	117	410	105	280
150/160	405	163	135	485	120	320
200/200	450	203	174	520	140	350
200/225		228	174	520	155	350



MATERIALS LIST

No.	Part	Material	DIN Standard	BS Standard
1	Body	Ductile Iron	GGG40	BS2789 420/12
2	Wedge	Ductile Iron	GGG40	BS2789 420/12
3	Wedge	Rubber	NBR/EPDM	NBR/EPDM
4	Stem nut	Brass		BS2784 CZ122
5	Stem	Stainless Steel	X20Cr13	BS970 410S21
6	Bonnet	Ductile Iron	GGG40	BS2789 420/12
7	Gland	Brass		BS2784 CZ122
8	Handwheel	Ductile Iron	GGG40	BS2789 420/12





SABS 664 WEDGE GATE VALVE, NON RISING SPINDLE

FIG. 664

TEST PRESSURE BODY 3.2 MPA
SEAT 3.2 MPA

DIMENSIONS

DN	L	D	b	H	H*	DO	WEIGHT (Kgs)	
							H. WHEEL	CAP
50	216	165	20	365	445	240	23.7	22.4
80	229	200	22	400	470	280	36.7	33.9
100	254	220	24	455	525	280	51.6	48.8
150	280	285	26	565	635	360	85.4	80.5
200	317	340	30	655	725	400	123.3	115.6
250	356	405	32	740	810	400	175	167.3
300	380	460	32	810	880	400	224.2	216.6

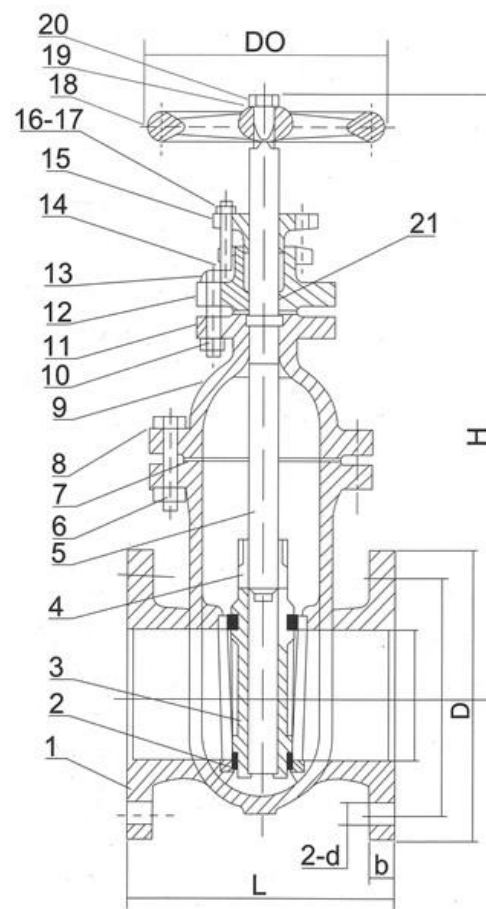
H* APPROXIMATE HEIGHT



MATERIALS

NO.	PART	MATERIAL	STANDARD
1	BODY	CAST IRON	BS 1452 GR.220
2	BODY SEAL	BRONZE	BS 1400LG2
3	GATE	S. G. IRON	BS 2789 500/7
4	STEM NUT	BRONZE	BS 2874 CZ122
5	STEM	STAINLESS STEEL	BS 970 410S21
6	NUT	CARBAN STEEL	
7	GASKET	GRAPHITE	
8	BOLTS	STEEL	
9	BONNET	CAST IRON	BS 1452 GR. 220
10	NUT	CARBAN STEEL	
11	GASKET	GRAPHITE	
12	STUFFING BOX	CAST IRON	BS 1452 GR. 220
13	BOLTS	CARBAN STEEL	
14	GLAND PACKING		
15	GLAND	CAST IRON	BS 1452 GR. 220
16	NUT	CARBAN STEEL	
17	T BOLT	BRASS	BS 1452 GR. 220
18	HANDWHEEL	CAST IRON	BS 1452 GR. 220
19	GASKET	CARBAN STEEL	
20	BOLTS	CARBAN STEEL	
21	O-RING	NBR RUBBER	

TEST PRESSURE BODY 3.2 MPA
SEAT 3.2 MPA





KNIFE GATE VALVE PN10 RISING SPINDLE HANDWHEEL OPERATED, UNI-DIRECTIONAL

Description:

1. Face to Face Non Standard
2. Testing DIN3230
3. Working temperature: NBR $\leq 80^{\circ}\text{C}$, EPDM $\leq 120^{\circ}\text{C}$

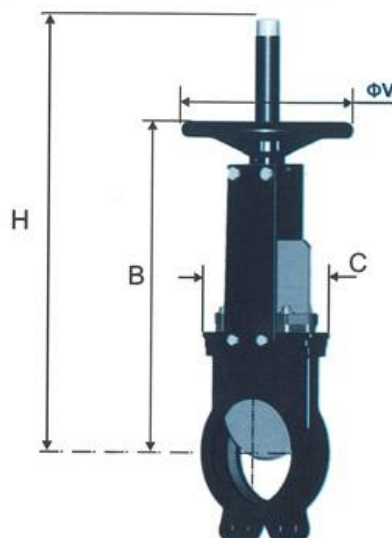
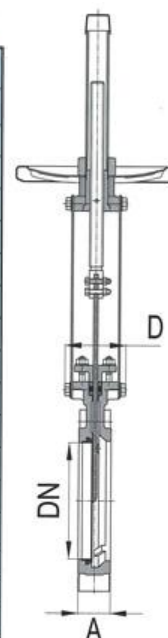
MATERIALS LIST

Body	Cast Iron	SS304 / SS316
Gate	SS304 / SS316	SS304 / SS316
Seal	NBR	EPDM
Packing	PTFE	PTFE



DIMENSIONS (mm)

DN		SIZE(mm)							Weight
mm	in	A	B	C	D	F	P	H	Kg
50	2	40	240	124	83	1/4	80	412	8
65	2-1/2	40	265	139	83	1/4	80	458	9
80	3	50	290	154	83	1/4	80	502	10
100	4	50	335	174	83	1/4	100	562	13
125	5	50	373	189	93	1/4	125	642	18
150	6	60	424	220	93	1/4	125	718	23
200	8	60	533	275	108	1/4	160	882	39
250	10	70	625	326	108	1/4	200	1044	57
300	12	70	732	380	108	1/4	200	1164	74
350	14	96	835	438	290	3/8	250	1362	127
400	16	100	945	494	290	3/8	250	1542	138
450	18	106	1040	547	290	1/2	250	1677	176
500	20	110	1150	613	290	1/2	300	1842	209
600	24	110	1354	716	290	1/2	300	2147	250
700	28	110	1540	835	400	1/2	350	2542	410
800	32	110	1750	972	400	1/2	400	2852	562





KNIFE GATE VALVE PN10 WITH PNEUMATIC ACTUATOR, UNI-DIRECTIONAL. KGNP

Description:

1. Testing DIN3230
2. Working temperature: NBR ≤ 80°C, EPDM ≤ 120°C

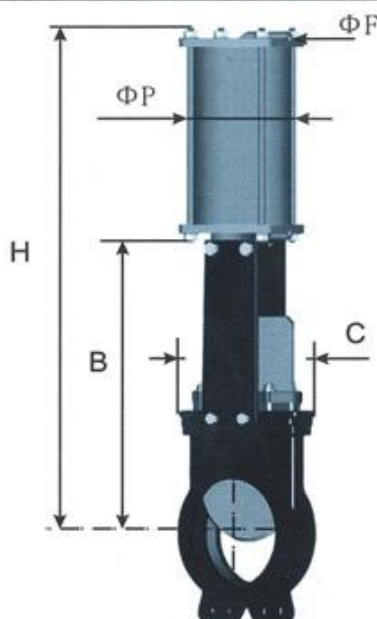
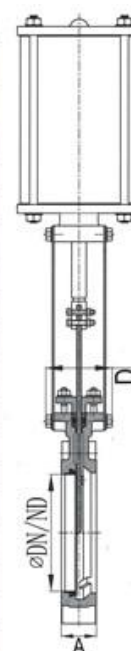
MATERIALS LIST

Body	Cast Iron	SS304 / SS316
Gate	SS304 / SS316	SS304 / SS316
Seal	NBR	EPDM
Packing	PTFE	PTFE



DIMENSIONS (mm)

DN		SIZE(mm)						Weight
mm	in	A	B	C	D	V	H	Kg
50	2	40	283	124	83	200	38	8
65	2-1/2	40	308	139	83	200	388	10
80	3	50	333	154	83	200	413	11
100	4	50	378	174	83	200	488	12
125	5	50	423	189	93	250	564	17
150	6	60	474	220	93	250	635	21
200	8	60	593	275	108	310	809	38
250	10	70	685	326	108	310	946	52
300	12	70	792	380	108	310	1118	63
350	14	96	900	438	290	500	1282	115
400	16	100	978	494	290	500	1441	145
450	18	106	1105	547	290	500	1587	186
500	20	110	1215	613	290	500	1809	221
600	24	110	1418	716	290	500	2060	265
700	28	110	1640	835	400	800	2372	430
800	32	110	1840	972	400	800	2682	590





KNIFE GATE VALVE PN10/16, BI-DIRECTIONAL

FIG. KG

Description:

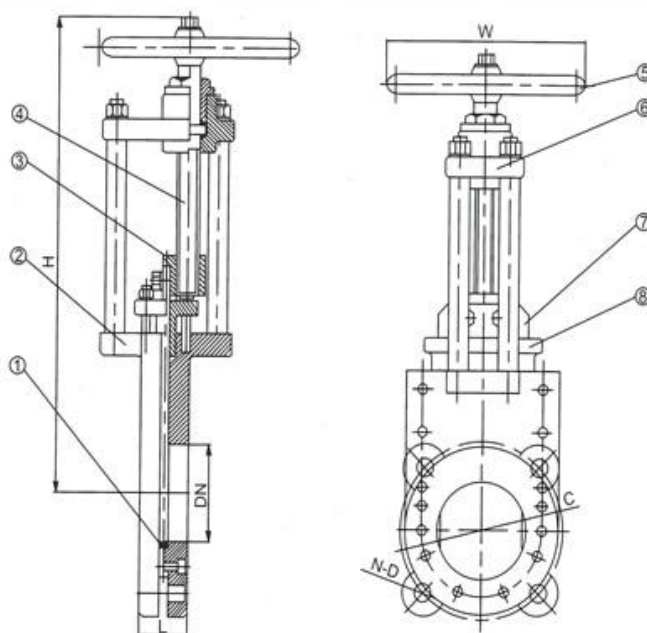
1. Design as DIN3352, MSS-SP-81
2. F TO F: DIN3202, MSS-SP-81
3. Testing: DIN3312
4. Working temperature: NBR $\leq 80^{\circ}\text{C}$, EPDM $\leq 120^{\circ}\text{C}$

NO.	PART	MATERIAL	NO.	PART	MATERIAL
1	SEAT RING	NBR/EPDM	5	HANDWHEEL	GGG40
2	BODY	GGG40/SS	6	BUSH	GGG40/SS
3	STEM NUT	BRASS	7	WEDGE	304/316
4	STEM	2Cr13/304	8	GLAND	GGG40/SS



DIMENSIONS (mm)

DN	H	L	BS 10 TABLE 1		DIN2501		ANSI 125/150		W
			C	N-D	C	N-D	C	N-D	
50	290	43	114.3	4-5/8	125	4-M16	120.7	4-5/8"	180
65	290	46	146.05	4-5/8	145	4-M16	152.4	4-5/8"	180
80	320	46	165.1	4-5/8	160	8-M16	152.4	4-5/8"	200
100	365	52	177.8	8-5/8	180	8-M16	190.5	8-5/8"	250
125	405	56	209.55	8-5/8	210	8-M16	215.9	8-3/4"	300
150	478	56	234.95	8-3/4	240	8-M20	241.3	8-3/4"	350
200	545	60	292.1	8-3/4	295	8-M20	298.5	8-3/4"	350
250	692	68	355.6	12-3/4	350	12-M20	362	12-7/8"	400
300	785	78	406.4	12-7/8	400	12-M20	431.8	12-7/8"	450
350	892	78	469.9	12-7/8	460	16-M20	476.3	12-1"	500
400	998	102	520.7	12-7/8	515	16-M24	539.8	16-1"	600





UNI-FLO WAFER & LUG BUTTERFLY VALVES, PN16/CL125/150

FIG. 5150

Description:

1. Design and manufacture confirm to BS5150/BS5163;DIN3352
2. Flange dimensions confirm to BS4504 PN10/PN16/PN25;DIN2501 PN10/PN16/PN25
3. Face to face dimensions confirm to BS5150/5163;DIN3202

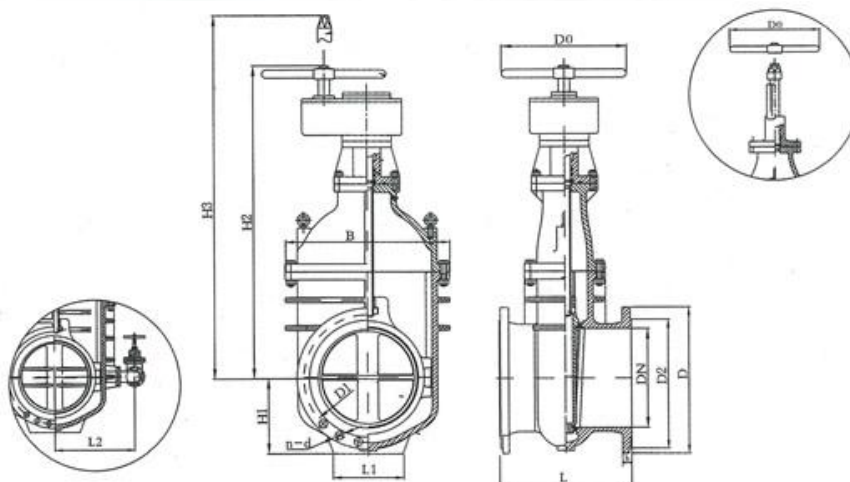


MATERIALS LIST

NO.	Part	Material
1	Body	Ductile iron
2	Seat	Gunmetal or Brass
3	Stem	SS or Brass
4	O-Ring	EPDM

DIMENSION(mm)

DN	PN	D	D1	D2	b	f	n-d	L			L1	L2	H1	H2	H3	B	D0
								BS5150	F4	F5							
300	1.0	445	400	370	24.5	4	12-23	356	270		220		248	969	869	536	460
	1.6	460	410	370	28	4	12-28	356		500	220		248	969	869	536	460
350	1.0	505	460	429	26.5	4	16-23	381	290		360		285	1082	980	610	460
	1.6	520	470	429	30	4	16-28	381		550	360		285	1082	980	610	460
400	1.0	565	515	480	28	4	16-28	406	310		400	600	320	1123	1229	676	600
	1.6	580	525	480	32	4	16-31	406		600	400	600	320	1171	1070	676	600
450	1.0	615	565	530	30	4	20-28	432	330		440	620	350	1204	1310	740	600
	1.6	640	585	548	32	4	20-31	432		650	440	620	350	1258	1154	740	600
500	1.0	670	620	582	31.5	4	20-28	457	350		480	660	390	1295	1401	803	600
	1.6	715	650	609	34	4	20-34	457		700	480	660	390	1295	1401	803	600
600	1.0	780	725	682	36	5	20-31	508	390		560	722	470	1478	1573	950	600
	1.6	840	770	720	36	5	20-37	508		800	560	722	470	1478	1573	950	600
700	1.0	895	840	794	39.5	5	24-31	610	430		590	833	495	1696	1796	1156	720
	1.6	910	840	794	40	5	24-37	610		900	590	833	495	1696	1796	1156	720
800	1.0	1015	950	901	43	5	24-34	660	470		700	863	540	1816	1916	1242	720
	1.6	1025	950	901	44	5	24-40	660		1000	700	863	540	1816	1916	1242	720
900	1.0	1125	1050	1001	46	5	28-34	711	510		770	972	645	1212	2378	1423	720
	1.6	1125	1050	1001	46	5	28-40	711		1100	770	972	645	2323	2378	1423	720
1000	1.0	1230	1160	1112	50	5	28-37	811	550		850	1015	680	2611	2680	1650	720
	1.6	1255	1170	1110	50	5	28-43	811		1200	850	1015	680	2600	2680	1650	720
1200	1.0	1455	1380	1328	56	5	32-40	960	630		950	1065	790	2718	2860	1820	900
	1.6	1485	1390	1328	57	5	32-49	960		1400	950	1065	790	2718	2860	1820	900





DIN NON-RISING STEM SOLID WEDGE DISC GATE VALVE

FIG. 10

Description:

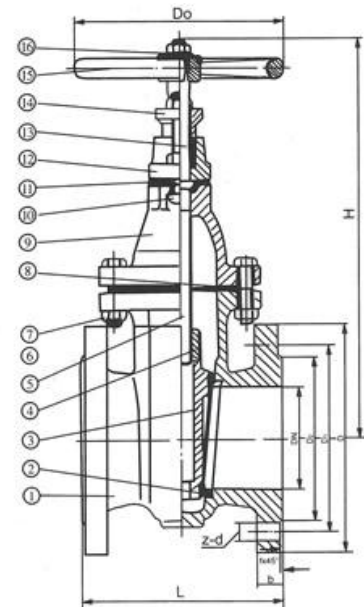
1. Design conforms to DIN3352
2. Face to Face dimensions conforms to DIN3203, F4, F5
3. Flanges drilled confirms to DIN 2501

SCOPE OF APPLICATION

Normal Diameter	F4			F5
	40-150	20-300	350-500	40-500
Normal Pressure	10bar	6bar	4bar	16bar
Shell Test Pressure	15bar	9bar	6bar	24bar
Seal Test Pressure	11bar	6.6bar	4.4bar	17.6bar
Suitable Medium	water			

MATERIALS LIST

No.	Part	Material & Specification
1	Body	Cast Iron GG25
2	Seat Ring	Cast Brass
3	Wedge	Cast Iron with Brass ring
4	Stem nut	Cast Brass
5	Stem	Stainless Steel
6	Nut	Steel
7	Bolt	Steel
8	Bonnet Gasket	Graphite
9	Bonnet	Cast Iron
10	Bolt	Steel
11	STUFFING BOX GASKET	Graphite
12	Stuffing Box	Cast Iron
13	Packing	Graphite
14	Gland Follower	Cast Iron
15	Handwheel	Cast Iron
16	Washer	Steel



DIMENSIONS (mm)

DN	L F4	D	D1	D2	b	f	z-d	≈ H	Do
40	140	150	110	88	18	3	4-18	270	160
50	150	165	125	102	20	3	4-18	292	160
65	170	185	145	122	20	3	4-18	324	160
80	180	200	160	138	22	3	8-18	360	160
100	190	220	180	158	24	3	8-18	380	200
125	200	250	210	188	26	3	8-18	454	250
150	210	285	240	212	26	3	8-22	490	250
200	230	340	295	268	22	3	8-22	578	250
250	250	395	350	320	24	3	12-22	711	320
300	270	445	400	370	24	4	12-22	767	320
350	290	505	460	430	26	4	16-22	870	400
400	310	565	515	482	28	4	16-26	941	400
500	350	670	620	585	30	4	20-26	1188	500



BRASS GATE VALVE

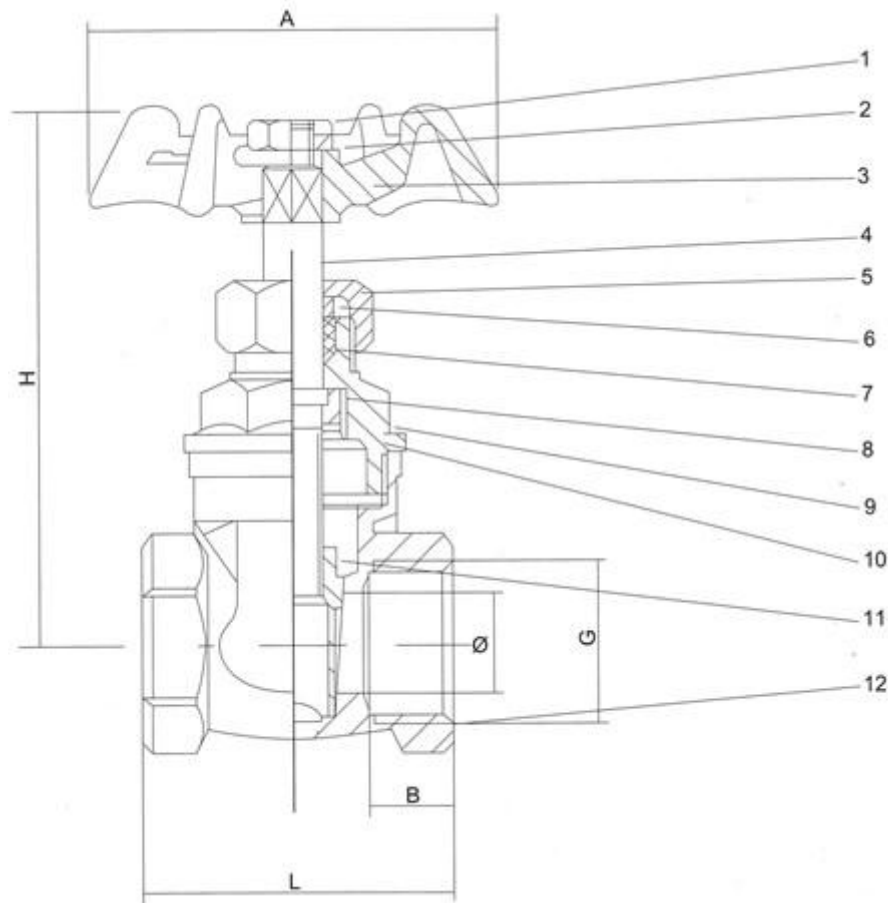


FIG. 401



SIZE	A	H	L	B	G	Ø
1/4"	54	73	36	10	1/4"	11.6
3/8"	54	73	36	10	3/8"	12.5
1/2"	54	74	40	11	1/2"	13
3/4"	54	80	50	13.5	3/4"	19
1"	60	87.5	53	14	1"	20
1-1/4"	71	111	56	14.5	1-1/4"	31
1-1/2"	71	124	61	16	1-1/2"	38
2"	78.5	138	66	17	2"	45
2-1/2"	108	178	80	23	2-1/2"	60
3"	108	198	92.5	24	3"	70
4"	126	230	102	25	4"	86

1	HEX. NUT	STEEL
2	MARK	AL
3	HANDLE	STEEL
4	STEM	BRASS
5	NUT	BRASS
6	BRASS RING	BRASS
7	PACKING	PTFE
8	LOCKING NUT	BRASS
9	BONNET	BRASS
10	WASHER	PTFE
11	SPINDLE	BRASS
12	BODY	BRASS



UNI-FLO PN16 GLOBE VALVES OF CAST IRON

with stainless steel trim

Fig. AV 803
Straight
pattern
Fig. 150 L
Angle pattern

**Working
pressure**
16 bar - 20°C
13 bar - 200°C
10 bar - 300°C

Materials

Part	Standard No.
1	Cast Iron
2	Cast Iron
3	Stainless Steel
4	Stainless Steel
5	Stainless Steel



	D	15	20	25	32	40	50	65	80	100	125	150	175	200	250	300
	L	130	150	160	180	200	230	290	310	350	400	480	550	600	730	850
	L1	90	95	100	105	115	125	145	155	175	200	225	250	275	325	375
	A	95	105	115	140	150	165	185	200	220	250	285	315	340	405	460
	H	184	196	214	225	248	279	324	359	404	465	520	577	665	830	945
	H1	160	165	175	185	215	235	270	290	350	410	450	590	560	740	840
	M	100	100	125	125	150	150	200	200	225	225	300	300	420	500	500
AV 803		3,5	4,3	5,5	7,8	10,2	13,2	21	26,3	40,6	59,8	83	112	136	217	325
150 L		3,5	4,5	5,6	7,9	10,4	12,6	19,5	24	35	58	87	104	134	210	306

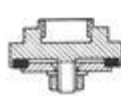
On request.



● Non-return valve (LK)



● Regulating valve (RK)



● Valve with PTFE disc (TE)



● With balanced valve

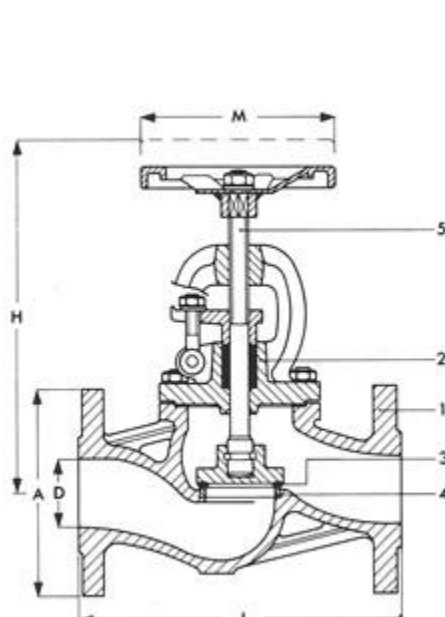


Fig. AV 803

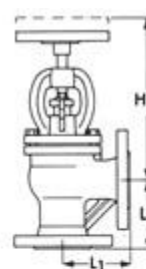
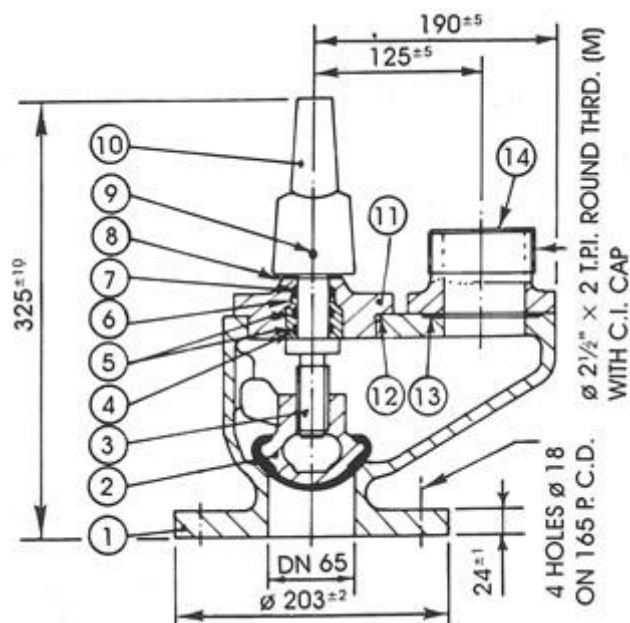


Fig. 150 L



UNI-FLO C.I. FIRE HYDRANT VALVE(EPOXY POWDER COATED)



SR. NO.	DESCRIPTION	MATERIAL
1	BODY	C.I., BS : 1452 GR. 14
2	VALVE PLUG	C.I., NITRILE RUBBER COATED
3	SPINDLE	S. S. AISI - 410
4	BUSH	NYLON / NITRILE RUBBER
5	'O'RING (SPINDLE)	NITRILE RUBBER
6	PROFILE RING	NITRILE RUBBER
7	SCRAPER RING	NITRILE RUBBER
8	FRICTION RING	NYLON / NITRILE RUBBER
9	ROLL PIN	SPRING STEEL
10	TOP CAP	CAST IRON
11	GLAND HOUSING	CAST IRON
12	GASKET	RUBBER 'O' RING
13	GASKET	RUBBER 'O' RING
14	SCREWED OUTLET	GUN METAL BS : 1400 LG 2

HYDRAULIC TEST PRESSURE

BODY - 2000 kpa

SEAT - 2000 kpa



UNI-FLO DIN CAST IRON STRAINER

Fig. 508

Description:

1. Face to Face dimensions according to DIN3202, F1
2. Flange dimensions according to DIN2501 PN 10/PN16
3. Nominal Pressure PN10/PN16
4. The mesh of wire screen or the hole dimensions of the perforated screen can be as per the customer's requirements.



DIMENSIONS (mm)

DN	40	50	65	80	100	125	150	200	250	300	350	400
L	200	230	290	310	350	400	480	600	600	650	980	1100
≈ H	105	170	205	210	235	270	310	390	430	500	670	780
D	150	165	185	200	220	250	285	340	405	460	520	580
K	110	125	145	160	180	210	240	295	355	410	470	525
D1	88	102	122	138	158	188	212	268	320	378	438	490

*Flange dimensions can be as per BS10 Table D/E, JIS10K, etc

MATERIAL LIST

NO.	Part	Material	Standard
1	Body	Cast iron or ductile iron	GG25 or GGG40
2	Plug	Cast iron or Ductile iron or Steel	GG25 or GGG40
3	Cover	Cast iron or Ductile iron	GG25 or GGG40
4	Screen	Stainless steel	304SS
5	Gasket	Graphite or Rubber	

