

Model : HPG



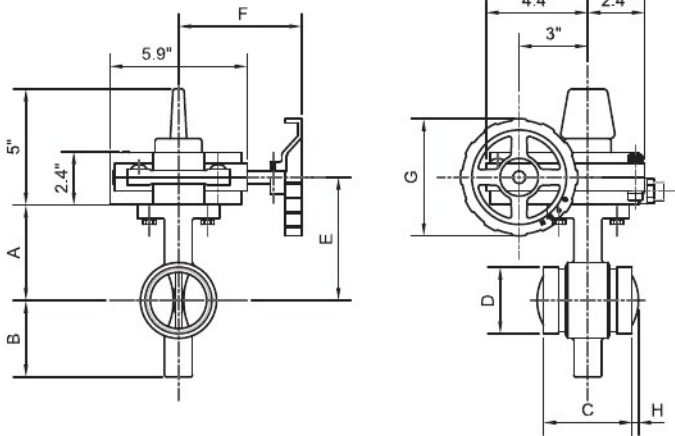
300 PSI Butterfly Valve | Grooved

Technical Features

- **Connections:** Grooved Ends (AWWA C606)
- **Sizes:** 2-1/2", 3", 4", 6", 8"
- **Approvals:** UL, ULC, FM, and California State Fire Marshal
- **Maximum Working Pressure:** 300PSI (Max. Test Pressure: 600PSI)
- **Maximum Working Temperature:** 250°F (120°C)
- **Application:** Indoor and Outdoor Use
- **Double-Seal Disc;** Resilient EPDM Coating
- Factory-Installed Supervisory Tamper Switch Assembly
- Also Available with Supervised Closed Switches.



Component	Material	Specification
Body	Ductile Iron	ASTM A536 Nylon-11 Coated
Disc	Ductile Iron	ASTM A536 EPDM Encapsulated
Indicator	Ductile Iron	ASTM A536
Housing	Ductile Iron	ASTM A536
Handwheel	Ductile Iron	ASTM A536
Stem	Stainless Steel	AISI 420
Worm Shaft	Stainless Steel	AISI 410
Shear Pin	Steel	ASTM A510
Gear Segment	Brass	ASTM B584
Housing Gasket	EPDM	EPDM Grade E
O-Ring (All)	EPDM	EPDM Grade E



Dimensions:

Size	A		B		C		D		E		F		G		H		Weight lbs
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
2-1/2"	4.1	105.0	3.6	92.0	3.8	96.4	2.9	73.0	5.3	135.0	5.3	135.0	5.0	128.0			20.0
3"	4.4	112.0	3.7	95.0	3.8	96.4	3.5	88.9	5.6	142.0	5.3	135.0	5.0	128.0			21.0
4"	5.7	145.0	4.3	108.0	4.5	115.4	4.5	114.3	6.9	175.0	5.3	135.0	5.0	128.0			26.0
6"	7.0	179.0	5.7	146.0	5.2	132.4	6.6	168.0	8.2	209.0	7.6	193.0	8.7	220.0	0.3	6.8	39.0
8"	8.0	204.0	6.7	170.0	5.8	147.4	8.6	219.1	9.2	234.0	7.6	193.0	8.7	220.0	1.0	24.2	51.0



Model : HPW

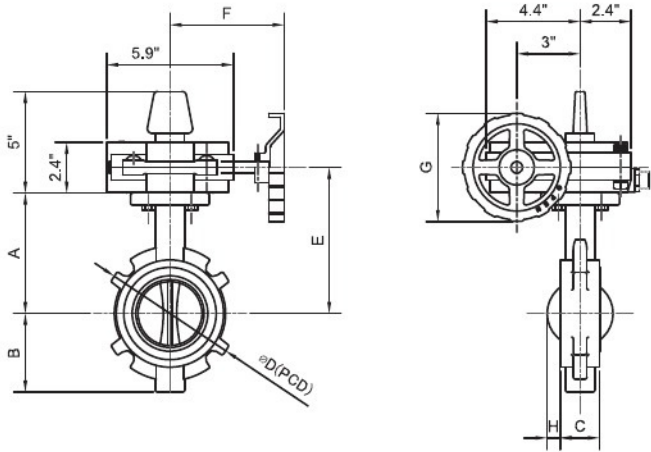


300 PSI Butterfly Valve | Wafer

Technical Features

- **Connections:** Wafer Ends (ANSI Class 125)
- **Sizes:** 2-1/2", 3", 4", 6", 8"
- **Approvals:** UL, ULC, FM, and California State Fire Marshal
- **Maximum Working Pressure:** 300PSI (Max. Test Pressure: 600PSI)
- **Maximum Working Temperature:** 250°F (120°C)
- **Application:** Indoor and Outdoor Use
- **Double-Seal Disc;** Resilient EPDM Coating
- Factory-Installed Supervisory Tamper Switch Assembly
- Also Available with Supervised Closed Switches.

Component	Material	Specification
Body	Ductile Iron	ASTM A536 Nylon-11 Coated
Disc	Ductile Iron	ASTM A536 EPDM Encapsulated
Indicator	Ductile Iron	ASTM A536
Housing	Ductile Iron	ASTM A536
Handwheel	Ductile Iron	ASTM A536
Stem	Stainless Steel	AISI 420
Worm Shaft	Stainless Steel	AISI 410
Shear Pin	Steel	ASTM A510
Gear Segment	Brass	ASTM B584
Housing Gasket	EPDM	EPDM Grade E
O-Ring (All)	EPDM	EPDM Grade E



Dimensions:

Size	A		B		C		D		E		F		G		H		Weight lbs
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
2-1/2"	5.4	136.0	3.4	87.0	1.8	46.0	5.9	149.4	6.5	166.0	5.3	135.0	5.0	128.0	0.3	8.2	20.0
3"	5.6	143.0	3.7	93.0	1.8	46.0	6.6	168.2	6.8	173.0	5.3	135.0	5.0	128.0	0.6	14.5	21.0
4"	6.1	156.0	4.3	109.0	2.0	52.0	7.9	200.2	7.3	186.0	5.3	135.0	5.0	128.0	0.9	22.7	23.0
6"	7.4	188.0	5.7	144.0	2.2	56.0	10.6	269.8	8.6	218.0	7.6	193.0	8.7	220.0	1.8	45.4	32.0
8"	8.7	222.0	6.5	166.0	2.3	58.0	13.0	330.2	9.9	252.0	7.6	193.0	8.7	220.0	2.7	69.1	42.0



Model : HPGT



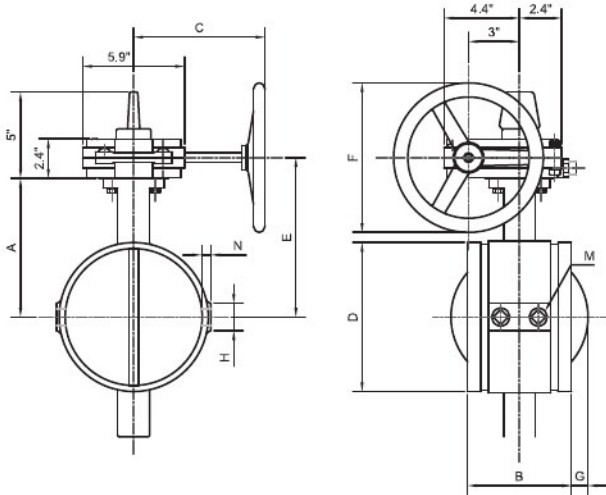
300 PSI Butterfly Valve | Grooved Tapped Body

Technical Features

- **Connections:** Grooved Ends (AWWA C606)
- **Sizes:** 2-1/2", 3", 4", 6", 8"
- **Approvals:** UL, ULC, FM, and California State Fire Marshal
- **Maximum Working Pressure:** 300PSI (Max. Test Pressure: 600PSI)
- **Maximum Working Temperature:** 250°F (120°C)
- **Application:** Indoor and Outdoor Use
- **Double-Seal Disc;** Resilient EPDM Coating
- **Factory-Installed Supervisory Tamper Switch Assembly**



Component	Material	Specification
Body	Ductile Iron	ASTM A536 Nylon-11 Coated
Disc	Ductile Iron	ASTM A536 EPDM Encapsulated
Indicator	Ductile Iron	ASTM A536
Housing	Ductile Iron	ASTM A536
Handwheel	Ductile Iron	ASTM A536
Stem	Stainless Steel	AISI 420
Worm Shaft	Stainless Steel	AISI 410
Shear Pin	Steel	ASTM A510
Gear Segment	Brass	ASTM B584
Housing Gasket	EPDM	EPDM Grade E
O-Ring (All)	EPDM	EPDM Grade E



Dimensions:

Size	A		B		C		D		E		F		G		H		N		M		Weight
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs
2-1/2"	4.1	105.0	5.0	127.0	5.3	135.0	2.9	73.0	5.3	135.0	5.0	128.0			1.2	30.0	0.5	13.0	4-1/2-14NPT		20.0
3"	4.4	112.0	5.0	127.0	5.3	135.0	3.5	88.9	5.6	142.0	5.0	128.0			1.2	30.0	0.5	13.0	4-1/2-14NPT		21.0
4"	5.7	145.0	5.0	127.0	5.3	135.0	4.5	114.3	6.9	175.0	5.0	128.0			1.6	40.4	0.6	15.0	4-1/2-14NPT		26.0
6"	7.0	179.0	5.6	143.5	7.6	193.0	6.6	168.3	8.2	209.0	8.7	220.0	0.3	6.8	1.6	40.4	0.6	15.0	4-1/2-14NPT		39.0
8"	8.0	204.0	6.0	152.4	7.6	193.0	8.6	219.1	9.2	234.0	8.7	220.0	1.0	24.2	1.6	40.4	0.6	15.0	4-1/2-14NPT		51.0



Model : HBT



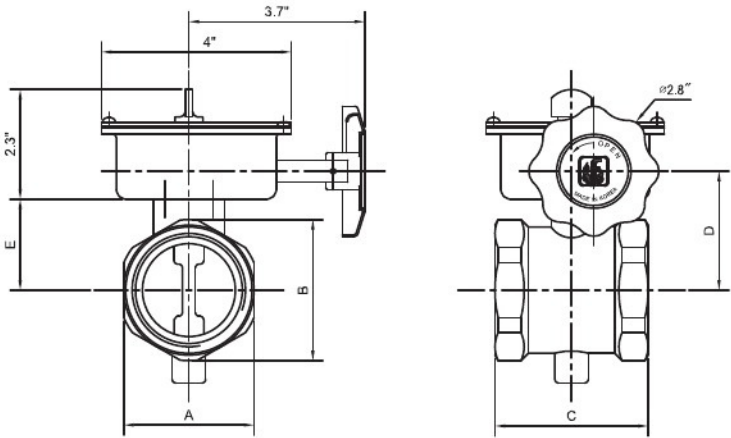
Bronze Butterfly Valve | Threaded

Technical Features

- **Connections:** Threaded ends (ANSI / ASME B1.20.1 NPT)
- **Sizes:** 1", 1-1/4", 1-1/2", 2", 2-1/2"
- **Approvals:** UL, ULC, FM, and California State Fire Marshal
- **Maximum Working Pressure:** 300 PSI (maxi. test pressure 600 PSI)
- **Maximum Working Temperature:** 250°F (120°C)
- **Application:** Indoor and Outdoor Use
- **Factory-Installed Supervisory Tamper Switch Assembly**



Component	Material	Specification
Body	Bronze	ASTM B505
Disc	Aluminum Bronze	ASTM B548
Disc Encapsulation	EPDM Rubber	ASTM D2000
Indicator	Brass	ASTM B16
Housing	Steel	ASTM A619
Handwheel	Steel	ASTM A619
Stem	Stainless Steel	ASTM A564 Type XM12



Dimensions:

Size	A		B		C		D		E		Weight lbs
	in	mm	in	mm	in	mm	in	mm	in	mm	
1"	1.7	43.7	1.6	39.7	2.1	54.0	2.0	52.0	1.5	37.0	3.5
1-1/4"	2.1	54.0	1.9	49.0	2.6	67.0	2.2	56.0	1.6	41.0	3.9
1-1/2"	2.4	60.0	2.2	56.0	2.9	73.0	2.3	59.0	1.7	43.0	4.3
2"	3.0	76.0	2.8	70.0	3.2	82.4	2.5	64.0	1.9	49.0	5.2
2-1/2"	3.5	90.0	3.3	84.0	4.1	104.0	2.9	74.0	2.3	59.0	5.7



Model : HBG



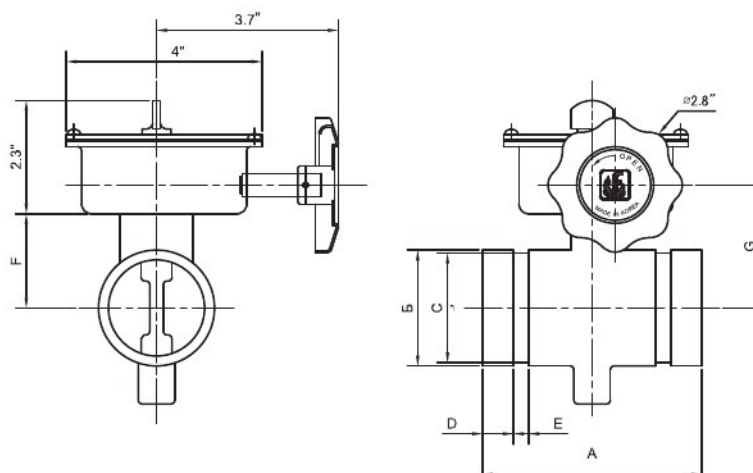
Bronze Butterfly Valve | Grooved

Technical Features

- **Connections:** Grooved Ends (AWWA C606)
- **Sizes:** 1", 1 1/4", 1 1/2", 2", 2 1/2", 3"
- **Approvals:** UL, ULC, FM, and California State Fire Marshal
- **Maximum Working Pressure:** 300 PSI (max. test pressure 600 PSI)
- **Maximum Working Temperature:** 250°F (120°C)
- **Application:** Indoor and Outdoor Use
- **Factory-Installed Supervisory Tamper Switch Assembly**



Component	Material	Specification
Body	Bronze	ASTM B505
Disc	Aluminum Bronze	ASTM B548
Disc Encapsulation	EPDM Rubber	ASTM D2000
Indicator	Brass	ASTM B16
Housing	Steel	ASTM A619
Handwheel	Steel	ASTM A619
Stem	Stainless Steel	ASTM A564 Type XM12

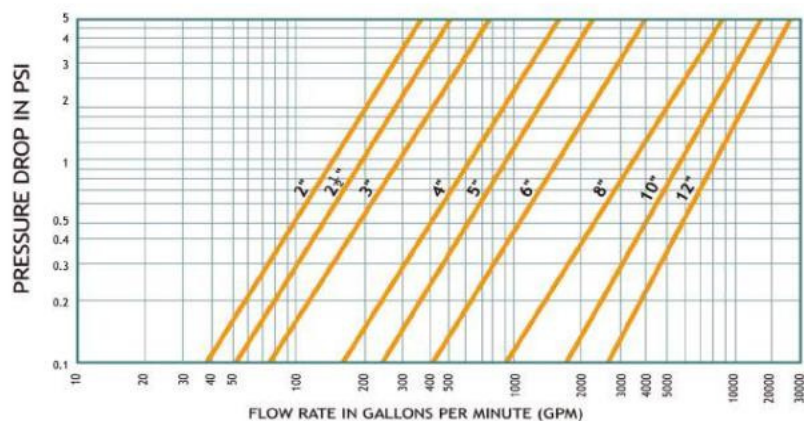


Dimensions:

Size	A		B		C		D		E		F		G		Weight lbs
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
2"	4.5	114.0	2.4	60.3	2.3	57.2	0.6	16.0	0.3	8.0	1.9	49.0	2.5	64.0	5.2
2-1/2"	4.5	114.0	3.0	75.0	2.3	59.1	0.6	16.0	0.3	8.0	2.3	59.0	2.9	74.0	5.3

ALEUM

GROOVED END Flow Characteristics



GROOVED END Flow coefficient : Cv

DN (mm)	SIZE (in)	Disk Open Angle						
		30°	40°	50°	60°	70°	80°	90°
65	2 1/2"	12	27.4	53.1	96	138	156	163
80	3"	18.9	39.4	78.9	144	210	243	249
100	4"	30	65.1	129	226	377	488	514
150	6"	84	184	369	634	964	1196	1286
200	8"	165	339	677	1230	2002	2850	3129
150	10"	343	733	1243	2199	3364	4641	4886
200	12"	523	1114	1903	3356	5593	7080	7457

WAFER TYPE Flow coefficient : Cv at full open

DN (mm)	65	80	100	150	200
Size (in.)	2 1/2"	3"	4"	6"	8"
Cv	222	389	1000	1998	4619

$$Cv = \frac{\text{flow (gpm)}}{\sqrt{\text{pressure loss (psi)}}} = \frac{Q}{\sqrt{\Delta P}}$$

Switch Installation

Butterfly Valve Switch Installation

Design Requirements

The Aleum grooved butterfly valve should be connected to the piping system with approved couplings or flange adapters. Flow may be from either direction, and the valve may be positioned in any direction.

Aleum butterfly valves have been designed with a slow close hand wheel operator which effectively minimizes water hammer. These valves feature minimum flow restriction and pressure loss when in the fully open position.

Care & Maintenance

Aleum butterfly valves require no regular maintenance. However, it is advisable to inspect and verify proper operation of the unit annually or in accordance with the authority having jurisdiction.

The inspection should include a visual check for leakage at the valve pipe connection and body to operator connection. Inspection and maintenance should be performed by a qualified inspection service.

Switch Installation

Aleum butterfly valves are provided with internal supervisor position switches. The tamper switch operates by cam connected to the valve stem. The switch will change position and close within two (2) full turn of the hand from the fully open position.

Installation

When the valves are received from the manufacture they should be handled carefully to avoid breakage and damage to the seating area. Before installation of the valve, clean piping, flange and coupling. When the valve closes hard, it is usually due to debris lodged in the sealing area. Often this may be corrected by backing off the hand wheel and closing again.

The valve should never be forced to seat by applying a wrench to the hand wheel as this may distort the valve components or score the sealing surface. The use of excessive force to open or close the valve violates all warranties whether express or implied. The inlet and outlet pipe adjacent to the valve should be properly supported to prevent excessive stress on the valve body. The valve should not be used to force a pipeline into position as this may result in distortion of the valve body.

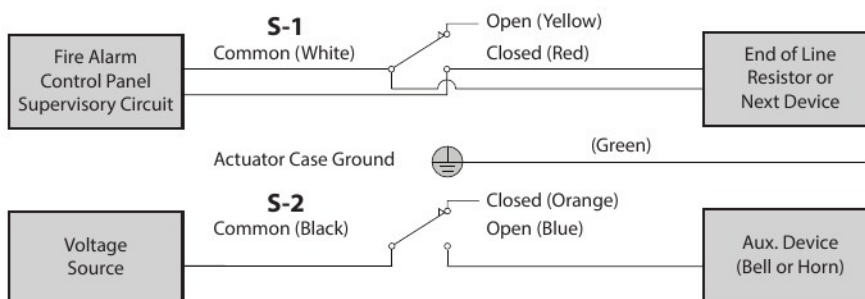
Conduit and electrical connections to the optional tamper switch must be in accordance with National Electrical Code (NFPA 72) and / or requirements of the local authority having jurisdiction.

Switch #1

For connection to the supervisory circuit
Normally closed: 2 Red
Normally open: 2 Yellow
Common: 2 White

Switch #2

Auxiliary switch connected per authority
Normally closed: 1 Orange
Normally open: 1 Blue
Common: 1 Black
Ground Lead: 1 Green



Note: 1. Rated: 5A-1/6HP-125/250V

Model : DGC

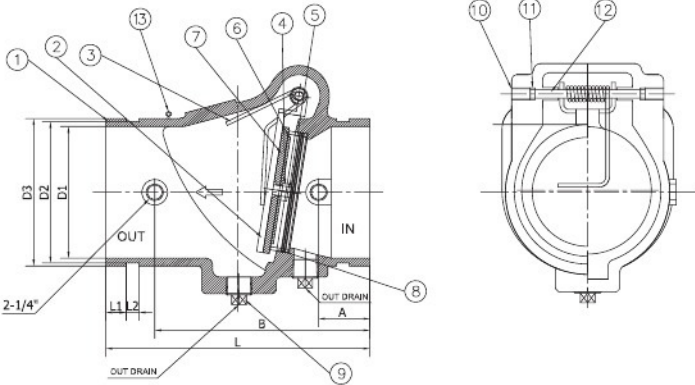


Swing Check Valve | Grooved

Technical Features

- **Connections:** Grooved Ends (AWWA C606)
- **Sizes:** 2", 2-1/2", 3", 4", 5", 6", 8", 10", 12"
- **Approvals:** UL, ULC, and FM
- **Maximum Working Pressure:** 300PSI (Max. Test Pressure: 600PSI)
- **Maximum Working Temperature:** 250°F (120°C)
- **Application:** Indoor and Outdoor Use
- Low pressure-drop, non-slam performance

Component	Material	Specification
1	Body	Ductile Iron ASTM A536 Nylon-11 Coated
2	Clapper	Stainless Steel ANSI 304
3	Coil Spring	Stainless Steel ANSI 302
4	Nut	Stainless Steel ANSI 304
5	Bolt	Stainless Steel ANSI 304
6	Washer	Stainless Steel ANSI 304
7	Facing Seal	Rubber EPDM
8	Seat Ring	Stainless Steel ANSI 304
9	Drain Plug	Ductile Iron ASTM A536
10	Pin Plug	Ductile Iron ASTM A536
11	Bushing	Aluminum Bronze B148
12	Hinge Pin	Stainless Steel ANSI 304
13	Hook	Steel ASTM A307



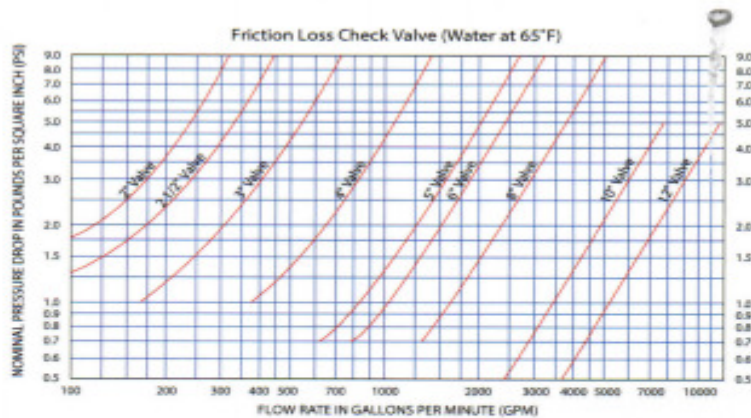
Dimensions:

Size	L		D1		D2		B		C		H		Weight lbs
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
2"	6.7	171.0	2.3	57.2	2.4	60.3	0.3	7.9	0.6	15.9	3.2	80.3	8.0
2-1/2"	7.2	184.0	2.7	69.1	2.9	73.0	0.3	7.9	0.6	15.9	3.4	85.1	8.5
3"	7.8	197.0	3.3	84.9	3.5	88.9	0.3	7.9	0.6	15.9	3.7	93.0	10.5
4"	8.1	206.0	4.3	110.1	4.5	114.3	0.4	9.5	0.6	15.9	4.2	107.2	17.0
5"	9.8	247.7	5.4	137.0	5.6	141.3	0.4	9.5	0.6	15.9	4.6	117.3	22.0
6"	12.8	324.0	6.5	164.0	6.6	168.3	0.4	9.5	0.6	15.9	6.7	171.4	42.5
8"	14.6	370.8	8.4	214.4	8.6	219.1	0.4	11.1	0.8	19.1	7.9	201.9	66.5
10"	18.0	457.2	10.6	268.3	10.7	273.0	0.5	12.7	0.8	19.1	9.2	234.4	115.0
12"	21.1	534.9	12.5	318.3	12.8	323.9	0.5	12.7	0.8	19.1	10.5	266.7	166.5



Model : DGC

Technical



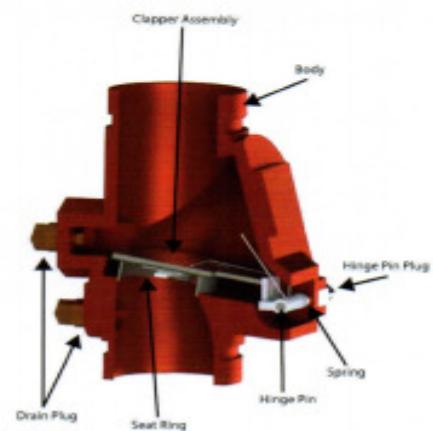
Installation Options

Horizontal Installation:

Hinge Pin must be located at the top

Vertical Installation:

Direction of the arrow must point upward



Nominal Pipe Sizes			Flow Data - Friction Loss (Ft. of Pipe)				
Inches DN	OD Inches (mm)	C=100 Sch.10 Feet (M)	C=100 Sch.30 Feet (M)	C=100 Sch.40 Feet (M)	C=120 Sch.10 Feet (M)	C=120 Sch. 30 Feet (M)	C=120 Sch.40 Feet (M)
2" DN50	2.375 (60.3)	10 (3.0)	-	8 (2.4)	14 (4.3)	-	11 (3.4)
2 1/2" DN65	2.875 (73.0)	14 (4.3)	-	10 (3.0)	20 (6.1)	-	15 (4.6)
3" DN80	3.5 (88.9)	17 (5.2)	-	12 (3.7)	23 (7.0)	-	17 (5.2)
4" DN100	4.5 (114.3)	17 (5.2)	-	13 (4.0)	23 (7.0)	-	18 (5.5)
6" DN150	6.625 (168.3)	23 (7.0)	-	19 (5.8)	33 (10.1)	-	26 (7.9)
8" DN200	8.625 (219.1)	35 (10.7)	32 (9.8)	30 (9.1)	50 (15.2)	45 (13.7)	43 (13.1)

Model : DGCR

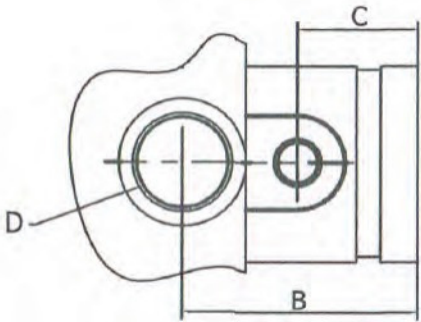
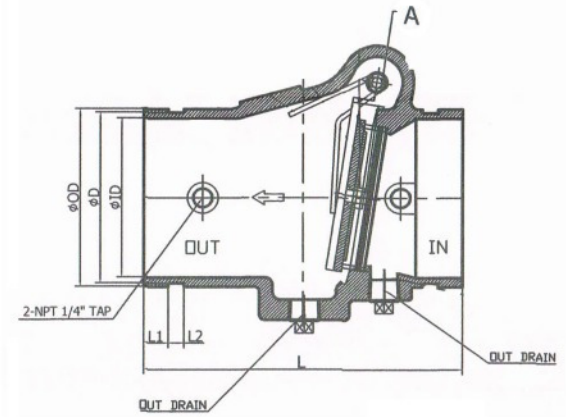


Riser Swing Check Valve | Grooved Ends

Technical Features

- **Connections:** Grooved Ends (AWWA C606)
- **Sizes:** 2", 2-1/2", 3", 4", 6", 8"
- **Approvals:** UL, ULC, and FM
- **Maximum Working Pressure:** 300PSI (Max. Test Pressure: 600PSI)
- **Maximum Working Temperature:** 250°F (120°C)
- **Application:** Indoor and Outdoor Use
- Low pressure-drop, non-slam performance

Component	Material	Specification
1	Body	Ductile Iron ASTM A536 Nylon-11 Coated
2	Clapper	Stainless Steel ANSI 304
3	Coil Spring	Stainless Steel ANSI 302
4	Nut	Stainless Steel ANSI 304
5	Bolt	Stainless Steel ANSI 304
6	Washer	Stainless Steel ANSI 304
7	Facing Seal	Rubber EPDM
8	Seat Ring	Stainless Steel ANSI 304
9	Drain Plug	Ductile Iron ASTM A536
10	Pin Plug	Ductile Iron ASTM A536
11	Bushing	Aluminum Bronze B148
12	Hinge Pin	Stainless Steel ANSI 304
13	Hook	Steel ASTM A307



Dimensions:

Size	D1		D2		D3		L		L1		L2		A		B		C		D		Weight
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs
2"	1.9	49.0	2.2	57.1	2.4	60.3	6.7	170.0	0.6	15.8	0.3	8.7	0.4	9.5	3.7	95.0	1.7	43.0	1.0	25.4	8.0
2-1/2"	2.4	62.2	2.7	69.0	2.9	73.0	7.2	184.0	0.6	15.8	0.3	8.7	0.4	9.5	3.7	93.0	1.6	41.0	1.3	31.8	8.5
3"	2.9	74.0	3.3	84.7	3.5	89.1	7.7	195.0	0.6	15.8	0.3	8.7	0.4	9.5	3.8	97.0	1.7	42.0	1.3	31.8	10.5
4"	3.9	98.0	4.3	109.8	4.5	114.3	8.1	205.0	0.6	15.8	0.3	8.7	0.5	12.7	4.4	113.0	2.0	50.0	2.0	50.8	17.0
6"	6.1	156.0	6.4	163.7	6.6	168.3	12.6	320.0	0.6	15.8	0.3	8.7	0.5	12.7	5.7	146.0	2.4	60.0	2.0	50.8	42.5
8"	7.9	201.6	8.5	215.8	8.6	218.2	14.6	372.0	0.8	20.1	0.4	10.5	0.5	12.7	6.9	176.0	2.8	70.0	2.0	50.8	66.5



Model : 8100G

Lever Handle Butterfly Valve | Grooved

Technical Features

Connections: Grooved Ends (AWWA C606)

Sizes: 2-1/2", 3", 4", 5", 6", 8"

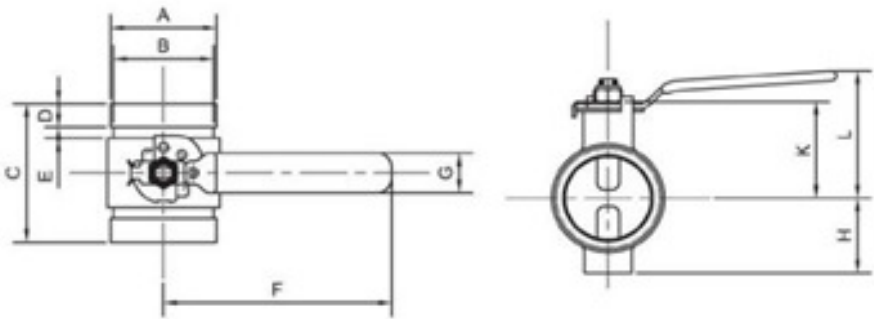
Maximum Working Pressure: 200 PSI (Max. Test Pressure: 350 PSI)
300 PSI (Max Test Pressure : 450 PSI)

Maximum Working Temperature: 250°F (120°C)

Application: Indoor and Outdoor Use



Component	Material
Body	Ductile Iron, Epoxy Coated
Disc	Ductile Iron, EPDM or NBR Encapsulated
Stem	Stainless Steel
Latch Plate	Steel, Zinc Plated
Handle	Carbon Steel, Epoxy Coating or Casting



Dimensions: Inches (Millimeters)

Size	A	B	C	D	E	F	G	H	K	L
2"	2.4 (60.3)	2.3 (57.2)	3.4 (87.4)	0.6 (15.9)	0.3 (8.7)	6 (152.4)	1 (25.4)	1.8 (46.0)	2 (50.8)	3.2 (81)
2-1/2"	2.9 (74.2)	2.8 (70.2)	3.8 (96.8)	0.6 (15.9)	0.4 (8.9)	6 (152.4)	1 (25.4)	2.1 (52.3)	2.4 (62)	3.6 (91.9)
3"	3.6 (90.3)	3.4 (86.4)	3.8 (96.8)	0.6 (15.9)	0.4 (8.9)	8.4 (214.4)	1 (25.4)	2.6 (66.5)	2.7 (68.1)	4.3 (108)
4"	4.6 (116.1)	4.4 (111.8)	4.6 (117.3)	0.6 (15.9)	0.4 (8.9)	8.4 (214.4)	1 (25.4)	3.3 (84.1)	3.3 (84.1)	4.9 (125.5)
6"	6.7 (171)	6.6 (166.6)	5.3 (133.4)	0.6 (15.9)	0.4 (8.9)	12.3 (311.2)	1.3 (31.8)	4.4 (111.3)	4.4 (111.3)	7 (177.8)
8"	8.6 (219.2)	8.4 (214.4)	5.8 (147)	0.7 (19)	0.4 (11)	12.3 (311.2)	1.3 (31.8)	5.4 (137)	5.4 (137)	8 (202)

Model : 8200G / 8200W

Lever Lock Butterfly Valve | Grooved / Wafer



Technical Features

Connections: Grooved Ends (AWWA C606), Wafer Type (ANSI Class125)

IO - Position: Lever Lock Handle

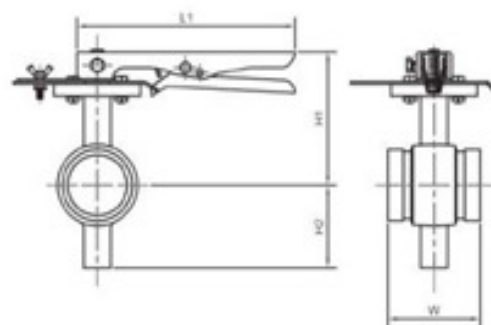
Sizes: 2-1/2", 3", 4", 5", 6", 8"

Maximum Working Pressure: 300 PSI (Max. Test Pressure: 450 PSI)

Maximum Working Temperature: 250° F (120° C)

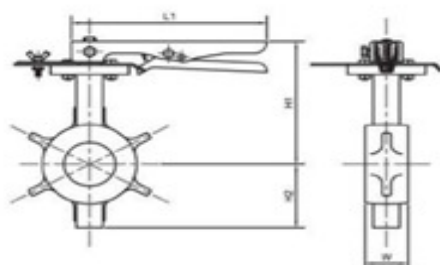
Application: Indoor and Outdoor Use

Component	Material
Body	Ductile Iron, Epoxy Coated
Disc	Ductile Iron, EPDM or NBR Encapsulated
Stem	Stainless Steel
Throttling Plate	Steel, Zinc Plated
Handle	Carbon Steel, Epoxy Coating or Casting



Dimensions: Inches (Millimeters) (Grooved)

Type	Size in mm	L1	W	H1	H2
8200G	2-1/2"	9 (228.6)	3.8 (96.3)	5.4 (136.9)	3.3 (84.8)
	3"	9 (228.6)	3.8 (96.3)	5.7 (143.8)	3.6 (91.9)
	4"	9 (228.6)	4.5 (115.3)	7 (176.8)	4.3 (107.9)
	6"	11.3 (285.75)	5.2 (132.33)	8.3 (210.82)	5.7 (144.78)
	8"	13.3 (337.82)	5.8 (147.32)	9.3 (235.97)	6.7 (169.93)



Dimensions: Inches (Millimeters) (Wafer)

Type	Size in mm	L1	W	H	H2
8200W	2-1/2"	9 (228.6)	1.8 (46)	6.6 (167.9)	3.4 (86.9)
	3"	9 (228.6)	1.8 (46)	6.9 (174.8)	3.7 (93)
	4"	9 (228.6)	2 (52)	7.4 (188)	4.3 (109)
	6"	11.3 (285.75)	2.2 (56)	8.7 (219.96)	5.7 (143.76)
	8"	13.3 (337.82)	2.4 (60)	10 (254)	6.5 (165.86)

Model : FC-300

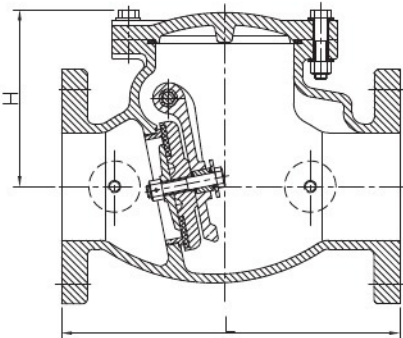


Swing Check Valve | Flanged

Technical Features

- **Connections:** Flanged Ends (ANSI B16.1 Class 125)
- **Sizes:** 2" 2-1/2", 3", 4", 5", 6", 8", 10", 12"
- **Approvals:** UL, ULC, and FM
- **Maximum Working Pressure:** 300PSI (Max. Test Pressure: 600PSI)
- **Maximum Working Temperature:** 180°F (82°C)
- Complies with AWWA C508, Clear Waterway Design
- Two Test Plugs Installed on One Side of Valve Body
- Fusion Bonded Epoxy Coated Interior and Exterior to AWWA C550

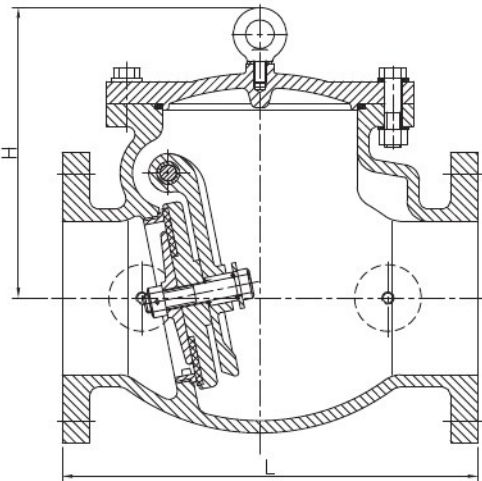
Component	Material	Specification
Body	Ductile Iron	A536 65-45-12
Seat Ring	Bronze	B62 C83600
Disc Ring	Rubber	EPDM
Disc Ring Retainer	Ductile Iron	A536 65-45-12
Retainer Bolt	Stainless Steel	AISI 304
Disc	Ductile Iron	A536 65-45-12
Bonnet	Ductile Iron	A536 65-45-12
Gasket	Rubber	EPDM
Hinge Pin	Stainless Steel	AISI 304
Clapper Arm	Ductile Iron	A536 65-45-12
Pin Plug	Stainless Steel	AISI 304
NPT Plug	Malleable Iron	Commercial
Bonnet Bolts	Carbon Steel	A307 B
Eyebolt	Carbon Steel	A307 B



Size 2" to 4"

Dimensions:

Size	L		H		Weight lbs
	in	mm	in	mm	
2"	8.0	203.0	5.2	132.0	25.0
2-1/2"	10.0	254.0	5.7	145.0	29.0
3"	11.0	279.0	5.9	150.0	37.5
4"	13.0	330.0	6.9	175.0	55.0
5"	14.0	356.0	11.7	298.0	80.0
6"	16.0	406.0	11.8	300.0	110.0
8"	19.5	495.0	13.9	352.0	129.0
10"	22.0	559.0	15.6	395.0	480.0
12"	26.0	660.0	17.5	445.0	621.0



Size 5" to 12"



Model : FOSS-300

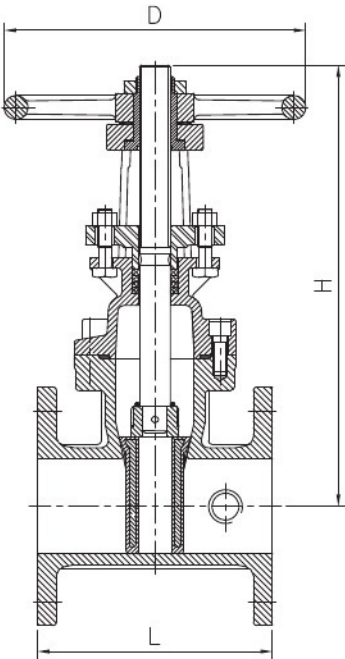


OS&Y Gate Valve | Flanged

Technical Features

- **Connections:** Flanged Ends (ANSI B16.1 Class 125)
- **Sizes:** 2-1/2", 3", 4", 5", 6", 8", 10", 12"
- **Approvals:** UL, ULC, and FM
- **Maximum Working Pressure:** 300PSI (Max. Test Pressure: 600PSI)
- **Maximum Working Temperature:** 180°F (82°C)
- Complies with AWWA C515
- NPT Plug on Body
- Fusion Bonded Epoxy Coated Interior and Exterior to AWWA C550 (**available for 14",16",18", 20", 24")

Component	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge	Ductile Iron, EPDM Encapsulated	
Wedge Nut	Stainless Steel	AISI 304
Stem	Stainless Steel	AISI 420
Bonnet	Ductile Iron	A536 65-45-12
Gasket	Rubber	EPDM
Packing	Graphite	Commercial
Gland	Ductile Iron	A536 65-45-12
Yoke Nut	Bronze	B62 C83600
Handwheel	Ductile Iron	A536 65-45-12
Handwheel Nut	Ductile Iron	A536 65-45-12
NPT Plug	Malleable Iron	Commercial
Gland Bolt	Stainless Steel	AISI 316
Bonnet Bolt	Carbon Steel	A307 B



Dimensions:

Size	L		H (OPEN)		H (CLOSE)		D		Weight
	in	mm	in	mm	in	mm	in	mm	
2-1/2"	7.5	190.5	16.3	415.0	13.8	350.0	7.2	184.0	44.0
3"	8.0	203.0	18.9	480.0	15.7	400.0	10.0	254.0	55.0
4"	9.0	229.0	21.7	550.0	17.7	450.0	10.0	254.0	66.0
5"	10.0	254.0	25.8	655.0	20.9	530.0	12.0	305.0	92.5
6"	10.5	267.0	29.1	740.0	23.2	590.0	12.0	305.0	110.0
8"	11.5	292.0	36.6	930.0	28.7	730.0	14.0	356.0	170.0
10"	13.0	330.0	44.5	1130.0	34.6	880.0	17.5	445.0	264.0
12"	14.0	356.0	52.0	1320.0	40.2	1020.0	17.5	445.0	374.0



Model : AOSY25-FF & Model : AOSY2-FF

OS&Y Gate Valve Flanged Ends

Technical Features

- **Connections:** Flanged (ANSI B16.1 Class 125)
- **Sizes:** 14",16"(250PSI), 18",20", 24"(200PSI)
- **Approvals:** UL (14"-24") / FM (14"-16")
- **Working Temperature:** 42°F - 180 F
- **Type:** Resilient Wedge, Outside Stem & Yoke
- **Finish:** Epoxy Coated Interior and Exterior
- Pre-Grooved Stem for Supervisory Switch
- **Specifications:** Design and Dimensions Conform to AWWA C515

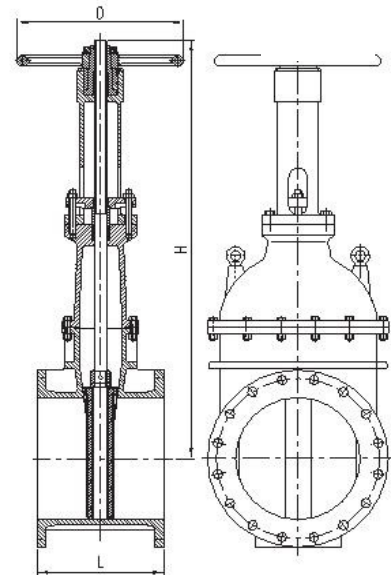
Dimensions

Part Name	Material	ASTM Spec.
Body	Ductile Iron	A536 65-45-12
Wedge	Ductile Iron, EPDM Encapsulated	
Wedge Nut	Stainless Steel	AISI 304
Stem	Stainless Steel	AISI 420
Bonnet	Ductile Iron	A536 65-45-12
Gasket	Rubber	EPDM
Packing	Graphite	Commercial
Gland	Ductile Iron	A536 65 45 12
Yoke Nut	Bronze	B62 C83600
Handwheel	Ductile Iron	A536 65 45 12
Handwheel Nut	Ductile Iron	A536 65 45 12
NPT Plug	Malleable Iron	Commercial
Gland Bolt	Stainless Steel	AISI 316
Bonnet Bolt	Carbon Steel	A307 B



AOSY25-FF (14",16")

AOSY2-FF (18", 20", 24")



Dimensions

Size	350 / 14"		400 / 16"		450 / 18"		500 / 20"		600 / 24"	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
L	381	15	406	16	432	17	457	18	508	20
H (Open)	1574	61.97	1786	70.31	2020	79.53	2276	89.61	2600	102.36
H (Close)	1224	48.19	1386	54.57	1570	61.81	1776	69.92	2000	78.74
D	445	17.5	535	21	610	24	610	24	762	30

Model : GOSS-300

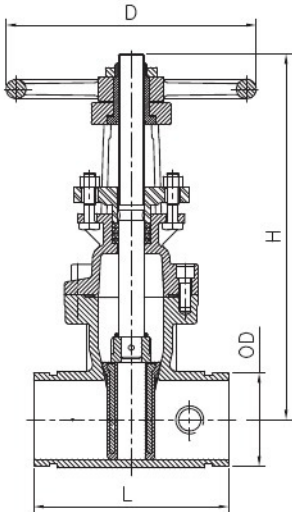


OS&Y Gate Valve | Grooved

Technical Features

- **Connections:** Grooved Ends (AWWA C606)
- **Sizes:** 2-1/2", 3", 4", 5", 6", 8", 10", 12"
- **Approvals:** UL, ULC, and FM
- **Maximum Working Pressure:** 300PSI (Max. Test Pressure: 600PSI)
- **Maximum Working Temperature:** 180°F (82°C)
- Complies with AWWA C515
- NPT Plug on Body
- Fusion Bonded Epoxy Coated Interior and Exterior to AWWA C550

Component	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge	Ductile Iron, EPDM Encapsulated	
Wedge Nut	Stainless Steel	AISI 304
Stem	Stainless Steel	AISI 420
Bonnet	Ductile Iron	A536 65-45-12
Gasket	Rubber	EPDM
Packing	Graphite	Commercial
Gland	Ductile Iron	A536 65-45-12
Yoke Nut	Bronze	B62 C83600
Handwheel	Ductile Iron	A536 65-45-12
Handwheel Nut	Ductile Iron	A536 65-45-12
NPT Plug	Malleable Iron	Commercial
Gland Bolt	Stainless Steel	AISI 316
Bonnet Bolt	Carbon Steel	A307 B



Dimensions:

Size	OD		L		H (OPEN)		H (CLOSE)		D		Weight
	in	mm	in	mm	in	mm	in	mm	in	mm	lbs
2-1/2"	2.9	73.0	7.5	190.5	16.3	415.0	13.8	350.0	7.2	184.0	29.0
3"	3.5	88.9	8.0	203.0	18.9	480.0	15.7	400.0	10.0	254.0	38.5
4"	4.5	114.3	9.0	229.0	21.7	550.0	17.7	450.0	10.0	254.0	62.0
5"	5.6	141.3	10.0	254.0	25.8	655.0	20.9	530.0	12.0	305.0	89.0
6"	6.6	168.3	10.5	267.0	29.1	740.0	23.2	590.0	12.0	305.0	96.0
8"	8.6	219.1	11.5	292.0	36.6	930.0	28.7	730.0	14.0	356.0	150.0
10"	10.7	273.0	13.0	330.0	44.5	1130.0	34.6	880.0	17.5	445.0	249.0
12"	12.8	323.9	14.0	356.0	52.0	1320.0	40.2	1020.0	17.5	445.0	337.0



Model : FNHW-300

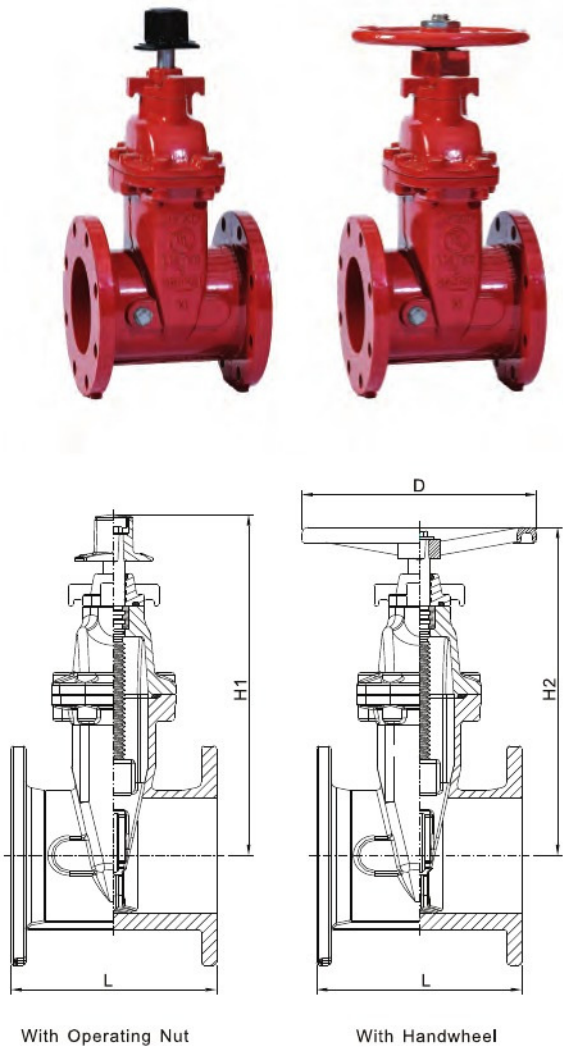


AWWA NRS Gate Valve | Flanged

Technical Features

- **Connections:** Flanged Ends (ANSI B16.1 Class 125)
- **Sizes:** 2-1/2", 3", 4", 5", 6", 8", 10", 12"
- **Approvals:** UL, ULC, FM, NSF, ANSI 61 & 372
- **Maximum Working Pressure:** 300PSI (Max. Test Pressure: 600PSI)
- **Maximum Working Temperature:** 180°F (82°C)
- Complies with AWWA C515
- Fusion Bonded Epoxy Coated Interior and Exterior to AWWA C550 (**250 PSI available for 14",16",18", 20", 24")

Component	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge	Ductile Iron, EPDM Encapsulated	
Wedge Nut	Bronze	B62 C83600
Stem	Stainless Steel	AISI 420
Bonnet	Ductile Iron	A536 65-45-12
Gasket	Rubber	EPDM
Gland	Ductile Iron	A536 65-45-12
Thrust Collar	Bronze	B62 C83600
O-Ring	Rubber	EPDM
Operating Nut / Handwheel	Ductile Iron	A536 65-45-12
Gland Bolt	Stainless Steel	AISI 304
Bonnet Bolt	Stainless Steel	AISI 304



Dimensions:

Size	L		H1		H2		D		Weight lbs
	in	mm	in	mm	in	mm	in	mm	
2-1/2"	7.5	190.5	10.6	270.0	10.0	255.0	6.9	175.0	31.0
3"	8.0	203.0	11.7	296.0	11.9	302.0	10.0	255.0	41.0
4"	9.0	229.0	13.8	350.0	12.9	327.0	10.0	255.0	49.0
5"	10.0	254.0	16.1	410.0	16.4	417.0	12.0	305.0	64.0
6"	10.5	267.0	17.9	455.0	17.2	436.0	12.0	305.0	88.0
8"	11.5	292.0	21.5	545.0	20.9	532.0	14.0	355.0	146.0
10"	13.0	330.0	25.4	645.0	24.4	619.0	15.9	405.0	220.0
12"	14.0	356.0	28.7	730.0	28.2	716.0	15.9	405.0	324.0



Model : FNPF-300

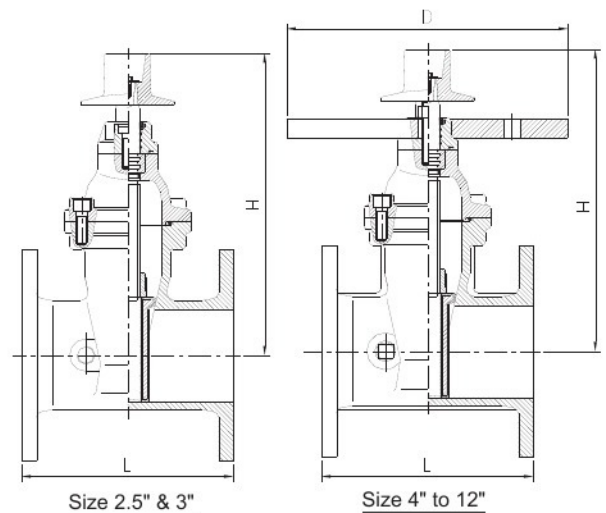


PIV NRS Gate Valve | Flanged

Technical Features

- **Connections:** Flanged Ends (ANSI B16.1 Class 125)
- **Sizes:** 4",6",8",10",12"
- **Approvals:** UL, ULC, FM, NSF, ANSI 61 & 372
- **Maximum Working Pressure:** 300PSI (Max. Test Pressure: 600PSI)
- **Maximum Working Temperature:** 180°F (82°C)
- Complies with AWWA C515
- NPT Plug on Body
- Fusion Bonded Epoxy Coated Interior and Exterior to AWWA C550

Component	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge	Ductile Iron, EPDM Encapsulated	
Wedge Nut	Bronze	B62 C83600
Stem	Stainless Steel	AISI 420
Bonnet	Ductile Iron	A536 65-45-12
Gasket	Rubber	EPDM
Gland	Ductile Iron	A536 65-45-12
Thrust Collar	Bronze	B62 C83600
O-Ring	Rubber	EPDM
Post Flange	Ductile Iron	A536 65-45-12
Operating Nut	Ductile Iron	A536 65-45-12
NPT Plug	Malleable Iron	Commercial
Post Flange Bolt	Stainless Steel	AISI 316
Bonnet Bolt	Stainless Steel	AISI 304



Dimensions:

Size	L		H		D		Weight lbs
	in	mm	in	mm	in	mm	
2-1/2"	7.5	190.5	10.6	270.0			31.0
3"	8.0	203.0	11.7	296.0			41.0
4"	9.0	229.0	13.8	350.0	12.0	305.0	64.0
5"	10.0	254.0	16.1	410.0	12.0	305.0	79.0
6"	10.5	267.0	17.9	455.0	12.0	305.0	103.0
8"	11.5	292.0	21.5	545.0	12.0	305.0	161.0
10"	13.0	330.0	25.4	645.0	12.0	305.0	235.0
12"	14.0	356.0	28.7	730.0	12.0	305.0	339.0

ALEUM

Model : GNPF-300

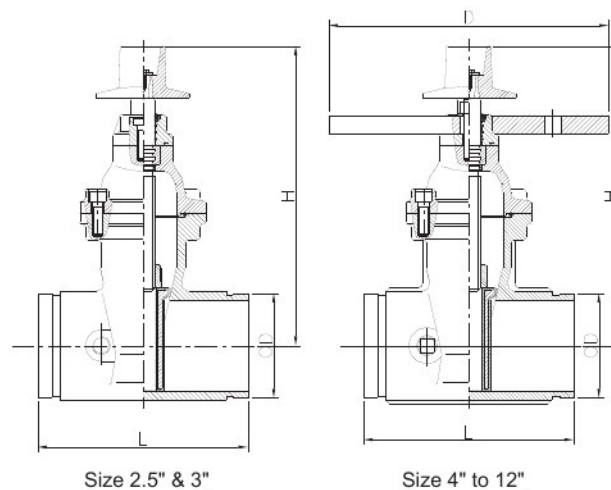


PIV NRS Gate Valve | Grooved

Technical Features

- **Connections:** Grooved Ends (AWWA C606)
- **Sizes:** 4",6",8",10",12"
- **Approvals:** UL, ULC, and FM
- **Maximum Working Pressure:** 300PSI (Max. Test Pressure: 600PSI)
- **Maximum Working Temperature:** 180°F (82°C)
- Complies with AWWA C515
- NPT Plug on Body
- Fusion Bonded Epoxy Coated Interior and Exterior to AWWA C550

Component	Material	Specification
Body	Ductile Iron	A536 65-45-12
Wedge	Ductile Iron, EPDM Encapsulated	
Wedge Nut	Bronze	B62 C83600
Stem	Stainless Steel	AISI 420
Bonnet	Ductile Iron	A536 65-45-12
Gasket	Rubber	EPDM
Gland	Ductile Iron	A536 65-45-12
Thrust Collar	Bronze	B62 C83600
O-Ring	Rubber	EPDM
Post Flange	Ductile Iron	A536 65-45-12
Operating Nut	Ductile Iron	A536 65-45-12
NPT Plug	Malleable Iron	Commercial
Post Flange Bolt	Stainless Steel	AISI 316
Bonnet Bolt	Stainless Steel	AISI 304



Dimensions:

Size	OD		L		H		D		Weight lbs
	in	mm	in	mm	in	mm	in	mm	
2-1/2"	2.9	73.0	7.5	190.5	10.6	270.0			25.0
3"	3.5	88.9	8.0	203.0	11.7	296.0			30.0
4"	4.5	114.3	9.0	229.0	13.8	350.0	12.0	305.0	62.0
5"	5.6	141.3	10.0	254.0	16.1	410.0	12.0	305.0	80.0
6"	6.6	168.3	10.5	267.0	17.9	455.0	12.0	305.0	96.0
8"	8.6	219.1	11.5	292.0	21.5	545.0	12.0	305.0	156.0
10"	10.7	273.0	13.0	330.0	25.4	645.0	12.0	305.0	227.0
12"	12.8	323.9	14.0	356.0	28.7	730.0	12.0	305.0	317.0

ALEUM

Model : IP

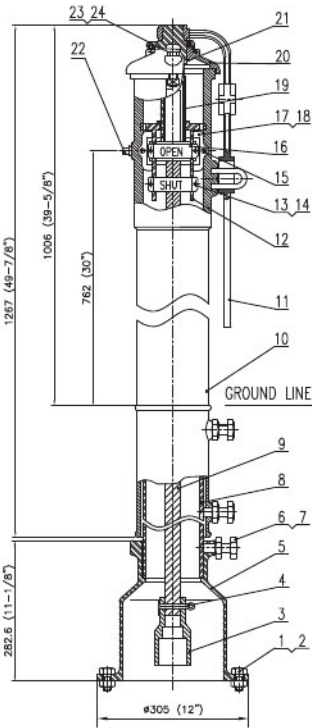


Indicator Post | Vertical Type

Technical Features

- Vertical Type, Adjustable
- Approvals: UL, ULC, and FM
- Corrosion Protection - Internal & External Epoxy Coated (RAL 3000)

Component	Material	Specification
1	Hex Cap Screw	Carbon Steel
2	Hex Nut	Carbon Steel
3	Crane Coupling	Ductile Iron
4	Cotter Pin	Stainless Steel
5	Base Flange	Cast Iron
6	Hex Nut	Carbon Steel
7	Hex Cap Screw	Carbon Steel
8	Standpipe	Carbon Steel
9	Stem 1" Square	Carbon Steel
10	Body	Cast Iron
11	Locking Wrench	Ductile Iron
12	Target Carrier Nut	Bronze
		Stainless Steel
13	Hex Cap Screw	Carbon Steel
14	Hex Nut	Carbon Steel
15	Hex Cap Screw	Carbon Steel
16	Target	Cast Aluminium
17	Window Glass	Plexiglass
18	Gasket	PTFE
19	Operating Nut	Bronze
		Stainless Steel
20	Top Section	Cast Iron
21	Snap Ring	Stainless Steel
22	Plug	Malleable Iron
23	Square Nut	Carbon Steel
24	Hex Cap Screw	Carbon Steel



Field Adjustment

1. Remove the top section from the top of the Indicator Post assembly.
2. Cut the required length off the bottom of the Standpipe for the Ground Line to match up with Standpipe Ground Line mark.
3. Set the “Open” and “Shut” targets for the appropriate valve size.
4. Reattach the top section to the top of the Indicator Post assembly.
5. Design and dimensions are subject to change without notice.



Model : WP



Indicator Post | Wall Type

Technical Features

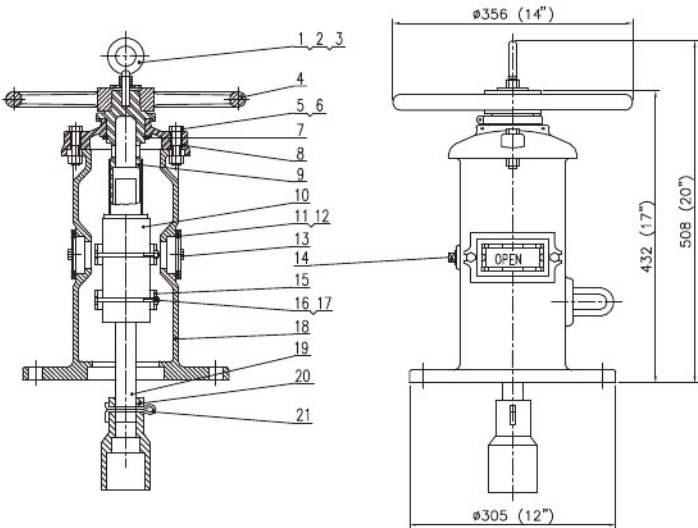
- Wall Type
- Approvals: UL, ULC, and FM
- Corrosion Protection - Internal & External Epoxy Coated (RAL 3000)

Component	Material	Specification
1	Eyebolt	Carbon Steel
2	Hex Nut	Carbon Steel
3	Washer	Carbon Steel
4	Handwheel	Ductile Iron
5	Hex Cap Screw	Carbon Steel
6	Square Nut	Carbon Steel
7	Snap Ring	Stainless Steel
8	Cover	Cast Iron
9	Operating Nut	Bronze
		Stainless Steel
10	Target Carrier Nut	Bronze
		Stainless Steel
11	Window Glass	Plexiglass
12	Gasket	PTFE
13	Hex Nut	Carbon Steel
14	Plug	Malleable Iron
15	Target	Cast Aluminium
16	Hex Cap Screw	Carbon Steel
17	Hex Nut	Carbon Steel
18	Body	Cast Iron
19	Stem	Carbon Steel
20	Crane Coupling	Ductile Iron
21	Cotter Pin	Stainless Steel



Field Adjustment

1. Remove the top section from the top of the indicator Post assembly
2. Set the "Open" and "Shut" targets for the appropriate valve size.
3. Reattach the top section to the top of the indicator post assembly.
4. Design and dimensions are subject to change without notice.



Model : FY-300

Y Strainer / Flanged End

Technical Features

- **Connections:** Flanged Ends (ANSI B16.1 Class 125)
- **Sizes:** 2", 2-1/2", 3", 4", 5", 6", 8", 10", 12"
- **Approvals:** UL, ULC
- **Maximum Working Pressure:** 300 PSI
- **Maximum Working Temperature:** -10°C - 200°C (Graphite Gasket)
0°C - 80°C (Rubber Gasket)
- **Type:** Y Strainer
- **Finish:** Epoxy Coated Interior and Exterior
- **Specifications:** Design and Dimensions Conform to AWWA C550



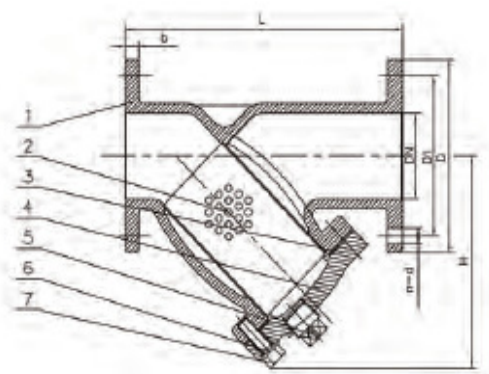
MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A538 65-45-12	
2	Screen	AISI 304 (Perforated)	AISI 304, AISI 316 (Perforated, Knitted, Double Screen)
3	Gasket	Graphite + Acanthopore Plate	EPDM
4	Bonnet	ASTM A538 65-45-12	
5	Plug	Malleable Iron Galvanized	Bronze ASTM B584
6	Bolt	Carbon Steel Zinc Plated	AISI 304, AISI 316
7	Flat Washer	Carbon Steel Zinc Plated	AISI 304, AISI 316

STANDARD SCREEN

DN		Sieve No.	Hole Dia.	Free Flow Area(%)
Inch	mm		mm	%
2"-2.5"	50-65	25	4	48
3"-4"	80-100	19	5	59
5"	125	14	6	63
6"-12"	150-300	13	6.3	64

DN		Dimensions(mm)					
Inch	mm	L	D	Ø1	b	n-Ød	H
2"	50	200	152	120.5	16	4-Ø19.1	155
2.5"	65	254	178	139.5	17.5	4-Ø19.1	165
3"	80	257	191	152.5	19	4-Ø19.1	180
4"	100	308	229	190.5	24	8-Ø19.1	229
5"	125	397	254	216	24	8-Ø22.2	285
6"	150	470	279	241.5	25.5	8-Ø22.2	311
8"	200	549	343	298.5	28.5	8-Ø22.2	394
10"	250	654	406	362	30.5	12-Ø25.4	487
12"	300	759	483	432	32	12-Ø25.4	547



Model : GY-300

Y Strainer / Grooved End



Technical Features

- **Connections:** Grooved Ends (AWWA C606)
- **Sizes:** 2", 2-1/2", 3", 4", 5", 6", 8", 10", 12"
- **Approvals:** UL, ULC
- **Maximum Working Pressure:** 300 PSI
- **Maximum Working Temperature:** 0°C - 80°C (Rubber Gasket)
- **Type:** Y Strainer
- **Finish:** Epoxy Coated Interior and Exterior
- **Specifications:** Design and Dimensions Conform to AWWA C550

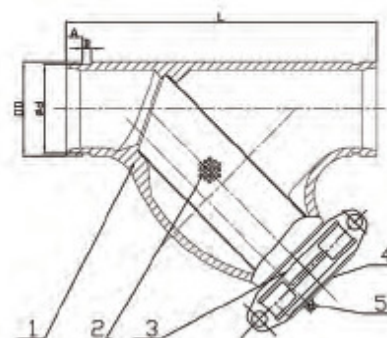


MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A538, 65-45-12	
2	Screen	AISI 304	AISI 316
3	Rigid Coupling	ASTM A538, 65-45-12	
4	Cap	ASTM A538, 65-45-12	
5	Plug	Malleable Iron Galvanized	Bronze ASTM B584

STANDARD SCREEN

DN		Sieve No.	Hole Dia.	Free Flow Area(%)
Inch	mm		mm	%
2"-2.5"	50-65	25	4	48
3"-4"	80-100	18	5	53
5"	125	13	6	58
6"-12"	150-300	12	6.3	58



DN		Dimensions(mm)				
Inch	mm	L	OD	d	A	B
2"	50	247.5	60.3	57.15	15.88	7.92
2.5"	65	273	73	69.09	15.88	7.92
3"	80	298.5	88.9	84.94	15.88	7.92
4"	100	362	114.3	110.08	15.88	9.52
5"	125	419	141.3	137.03	15.88	9.52
6"	150	470	168.3	163.96	15.88	9.52
8"	200	609.5	219.1	214.4	19.05	11.13
10"	250	686	273	268.28	19.05	12.7
12"	300	762	323.9	318.29	19.05	12.7

ALEUM

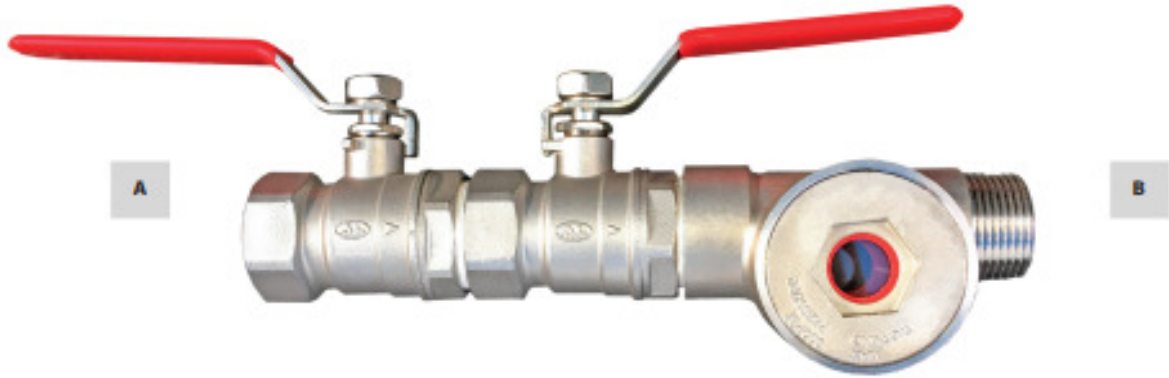
Model : TDT (Threaded)

TEST AND DRAIN VALVE | Threaded

Technical Features



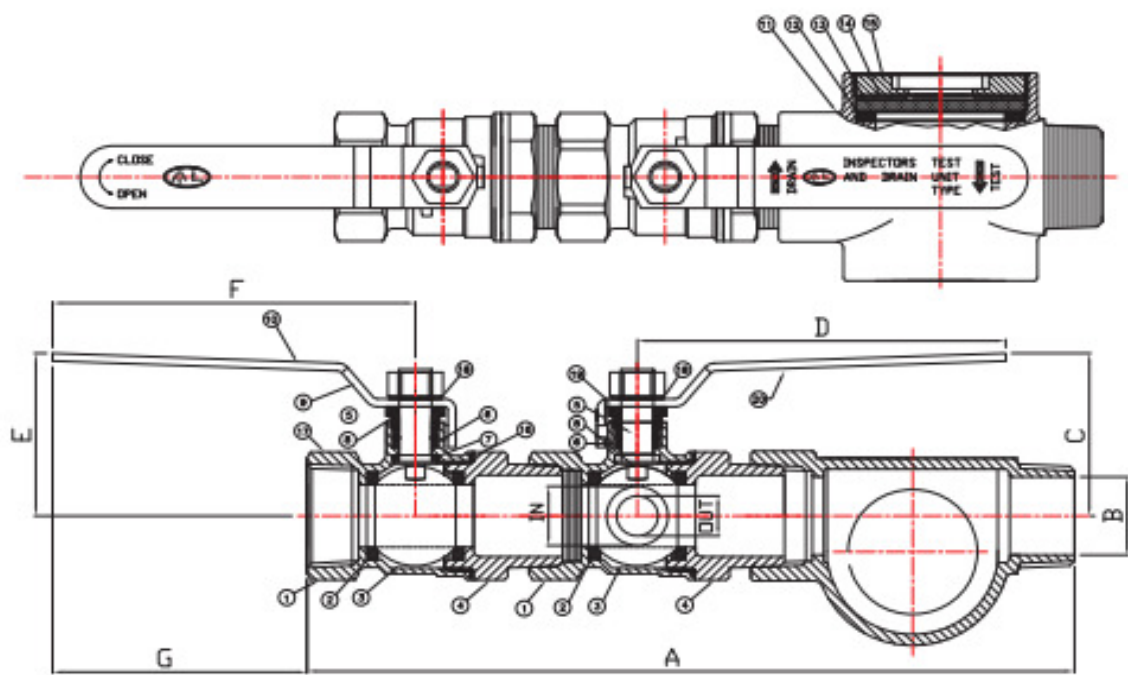
- **Connections:** Threaded Ends
- **Size:** 1", 1 ¼", 2"
- **Approvals:** UL, FM
- **Body Material:** Stainless Steel 304 L
- **Maximum Working Pressure:** 300PSI (Max. Test Pressure: 600PSI)
- **Maximum Working Temperature:** 180°F (82°C)
- Inspector test and drain unit with on-off unit stainless steel unit with sight glass.



A INLET	B Outlet	Approvals
1" NPT	1" NPT	UL / FM
1-1/4" NPT	1-1/4" NPT	UL / FM
2" NPT	2" NPT	UL / FM

Model : TDT (Threaded)

TEST AND DRAIN VALVE | Threaded



Components

Number	Part	Materials	Number	Part	Materials
1	Body	ASTM A351 CF8	11	Stainless Sight Gauge	ASTM A351 CF8
2	Body Seat	Teflon	12	Packing	NBR
3	Ball	ASTM B16 C36000	13	Clear Plate	Acrylic
4	Body Insert	ASTM A351 CF8	14	Fiber Washer	Vulcanized Fiber
5	Srem	ASTM A240 SUS304	15	Fix Collar	ASTM A351 CF8
6	Bonnet Seat	Teflon	16	Body Seal	Teflon
7	Stem Seat	Teflon	17	Ball Valve	Stainless Steel
8	Gland	ASTM A240 SUS304	18	Spring Washer	Stainless Steel
9	Handle	Carbon Steel	19	Oval Handle	Carbon Steel
10	Handle Sleeve	Vinyl	20	Handle Sleeve	Vinyl

Dimensions

Size	A		B		C		D		E		F		G	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1"	9.21	234	0.98	25	2.5	63.5	4.45	113	2.5	63.5	4.45	113	3.11	79
1 1/4"	10.24	260	1.22	31	2.93	74.5	4.92	125	2.93	74.5	4.92	125	3.39	86
2"	12.68	322	2.01	51	3.52	89.4	6.10	155	3.52	89.4	6.10	155	4.13	105

Model : DDCV (Double Door Check Valve) – Wafer Type

Technical Features

1. Sizes available (Nominal) : DN 50/2", DN65/2 1/2", DN80/3", DN100/4", DN125/5", DN150/6", DN200/8", DN250/10", DN300/12"
2. Nominal Working Pressure : 21 bar (300 PSI)
3. Finishing : Fusion Bonded Epoxy Coated Internal and External in accordance with ANSI/AWWA C550.
4. Connections : Designed to fit between the mating flanges In accordance with BS4504, EN1092, PN/PN16

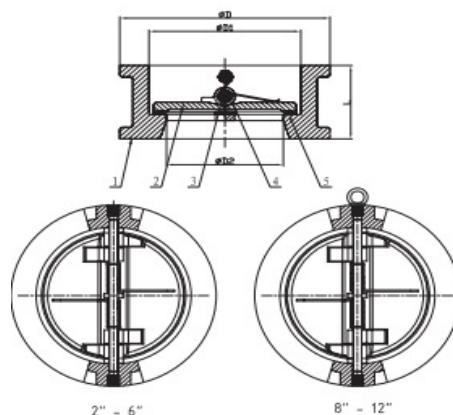


Double Door Check Valve - DDCV (WAFER Type)

Nominal Pipe Size		Dimensions (mm/inch) by Flange Type				Reference by Mating Flange	Weight (kg)
Metric	Inch	L	D	D1	D2	PN/PN16	
DN 50	2"	54	107	64	46	DDCV-0200PN	1.46
DN 65	2 1/2"	54	127	78	60	DDCV-0250PN	2.17
DN 80	3"	57	142	94	70	DDCV-0300PN	2.79
DN 100	4"	64	162	117	84	DDCV-0400PN	4.11
DN 125	5"	70	192	145	115	DDCV-0500PN	6.26
DN 150	6"	76	218	170	134	DDCV-0600	8.28
DN 200	8"	95	273	224	184	DDCV-0800PN16	14.92
DN 250	10"	108	328	265	220	DDCV-1000PN16	25.35
DN 300	12"	143	378	310	260	DDCV-1200PN16	38.09

DDCV (WAFER Type)

Item	Description	Material	Specification
1	Valve Body	Ductile Iron	A536, 65-45-12
2	Disc	Ductile Iron	A536, 65-45-12
3	Stem	Stainless Steel	AISI 420
4	Spring	Stainless Steel	AISI 304
5	Rubber Seat	EPDM	Commercial



ALEUM[®] QUICKCONNECT

Working Pressure
300 PSI



COUPLING



ALRC
RIGID COUPLING
1" thru 12"



ALFC
FLEXIBLE COUPLING
1" thru 12"



ALAPC
ANGLE-PAD COUPLING
1" thru 12"



ALREC
REDUCING COUPLING
2" x 1-1/4" thru 8" x 6"

MECHANICAL TEE



ALTMT
THREADED MECHANICAL TEE
2" x 1/2" thru 8 x 3 OD (76.1mm)



ALGMT
GROOVED MECHANICAL TEE
2" x 1" thru 8" x 6"



ALUTMT
U-BOLT THREADED MECH. TEE
1" x 1/2" thru 3 OD (76.1 mm) x 1"

GROOVED FLANGE



ALGFPN
GROOVED FLANGE PN16
2" thru 12"



ALGF150
GROOVED FLANGE CLASS 150
2" thru 12"



ALFLAG
FLANGE ADAPTOR GRV. 1.6Mpa
2" thru 12"



ALFLAG150
FLANGE ADAPTOR GRV. CLASS 150
Sizes: 2" thru 12"

ELBOW



AL90ESR
90° ELOW SHORT RADIUS
1" thru 12"



AL90ESTDR
90° ELOW STANDARD RADIUS
1" thru 12"



AL45E
45° ELOW
1" thru 12"



AL225E
22.5° ELBOW
1" thru 8"



AL1125E
11.25° ELBOW
1" thru 8"

TEE



ALETSR
EQUAL TEE SHORT RADIUS
1" thru 12"



ALETSTD
EQUAL TEE STANDARD RADIUS
1" thru 12"



ALRTG
REDUCING TEE GROOVED
2" x 1" thru 12" x 10"



ALRTT
REDUCING TEE THREADED
2" x 1" thru 6" x 4"

CROSS



ALEC
EQUAL CROSS
1-1/4" thru 12"



ALRCG
REDUCING CROSS GROOVED
3" x 2" thru 8" x 6"



ALRCT
REDUCING CROSS THREADED
3 OD (76.1mm) x 2" thru 8" x 3"

REDUCER



ALRG
REDUCER GROOVED
1-1/4" x 1" thru 8" x 6"



ALRT
REDUCER THREADED
2" x 1" thru 8" x 4"



ALEGR
ECCENTRIC GROOVED REDUCER
3" x 2" thru 10" x 8"

CAP



ALC
CAP
1" thru 12"