



VOG IRAN (BIHAMTA)

Manufacturer of kinds of
industrial Valves(Cast Iron-Bronze) and Flanges





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Manufacturer of kinds of Industrial Valves (Cast Iron, Bronze) and Flanges



IN THE NAME OF GOD

Vog Iran (Bihamta) Co. was established in 1989 by the late Seyed Abolghasem (A'la) Mir Kazem and managed to obtain operating License (No. 35193) from the ministry of Industry & Mine.

Its major field of activities includes producing different types of Industrial valves and steel flanges which are used in oil, gas, petrochemical, water and swage industries to be exposed to steam and various liquids.

The factory is built in an area of 30000 m². By utilizing advanced machinery, tools and premium materials and benefitting from expert engineers and highly experienced managers, the factory produces and supplies premium quality goods and products to the respectful consumers.



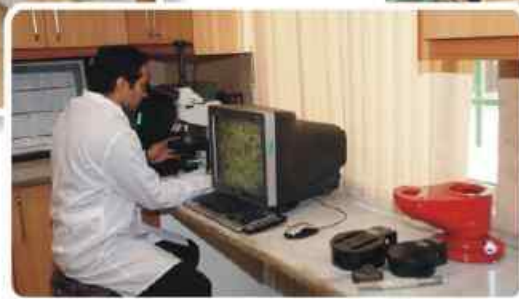
- ◆ Certificate of Ministry of Industries and Mines
- ◆ ISO 9001-2008, OHSAS 18001-2007, ISO 14001-2004
- ◆ Certificate of Ministry of Agriculture
- ◆ ISIRI License Holder
- ◆ Metallography and Q.C Lab.
- ◆ 3 years of Guaranty and 10 years of After-sale services
- ◆ "VOG" Special Tag 
- ◆ Best producer, 2003, Iran
- ◆ Best rank among manufacturers, 2013, Iran
- ◆ Best rank among entrepreneurs, 2014, Iran
- ◆ Member of Metallurgy society

Other Capabilities

- Laboratory located in the factory
- Standards and Technical Data Bank
- Quality Control Group
- Modeling Unit located in the factory

Whole the products must be Checked and approved by the Q.C members from the beginning up to the end. The Lab, is capable to do following tests according to related standards:

- metallurgical test
- Control of mechanical properties test
- Tests for plastic Components
- Thickness and adhesion of paint



In the Modeling unit, in order to improve quality, modeling, Service and maintenance is continuously doing by the experienced staff. Final inspection test according to EN 12266 water, Waste water, Building Facilities







VOG IRAN (BIHAMTA)





Gate Valve - Metallic Sealing **GM**

- PN 10/16
- DN 40....500

Product Features

- Metallic seated to DIN 3352
- Inside stem screw
- Readjustable stem seal
- With handwheel or cap
- Face-to-face length to EN 558-1, basic series 14 (DIN 3202, part 4)
- Final Inspection Test acc. to EN 12266 (DIN 3230 part 3)
- Cast Iron to EN 1561 (DIN 1691)
- Flange dimensions to EN 1092-2

Materials

- Body, bonnet and wedge of cast iron EN - GJL 250 (GG 25)
- Seats in body and on wedge of bronze
- Stem of stainless steel with 13% chromium
- Stem nut of forged brass
- O-Rings of silicon/EPDM/NBR

Corrosion Protection

- Inside and outside epoxy coated

Field of Application

- Max. temperature for fluids:
 - 100°C up to 10 bar
 - 160°C up to 8 bar - DN 40...200
 - 160°C up to 5 bar - DN 250/300
- Using EPDM/NBR O-Rings



Final inspection test according to EN 12266 standard

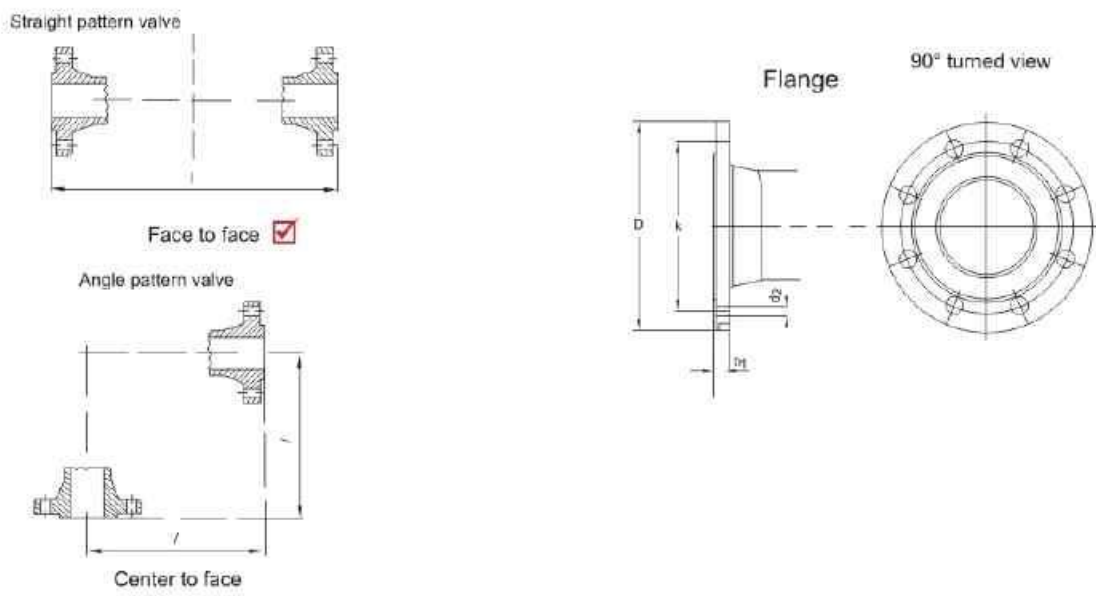
Application: Water and waste water systems

DN mm	PN bar	Max. operating pressure bar	Max. operating temperature for neutral liquids °C	Test pressure with water 23 °C bar in body	bar in seat
40...450	10	10	100/160	15	11
40...500	16	16	100-160	24	17.6



Gate Valve - Metallic Sealing GM

Dimensions/ weights



Made of cast iron

Dimensions in mm																	
Nominal diameter	DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500		
Face to face dimensions To EN 558-1 series 14	L	140	150	170	180	190	200	210	230	250	270	290	310	350	350		
Flange Dimensions	PN6/10	D	150	165	185	200	220	250	285	340	395	445	505	565	615	670	
		K	110	125	145	160	180	210	240	295	350	400	460	515	565	620	
To EN 1092-2	PN16	holes	4	4	4	8	8	8	8	8	12	12	16	16	20	20	
		d2	19	19	19	19	19	19	23	23	23	23	23	28	28	28	
		b1	20	22	22	22	24	26	26	26	26	28	28	30	32	32	36
		D	150	165	185	200	220	250	285	340	405	460	520	580	640	715	
		K	110	125	145	160	180	210	240	295	355	410	470	525	585	650	
Net weight Kg ≈		10.3	13	16.7	19.8	26.4	38.1	45.8	73.5	116.4	136.1	237.4	244.8	258	340		



Gate Valve - Resilient Seated **GR**

- PN 10/16
- DN 40...300

Product Features

- Resilient seated to EN 1171 (DIN 3352 - 4A)
- Face-to-face to EN 558-1, basic series 14 and 15 (DIN 3202, F4)
- Low torque due to plastic sliding caps on the wedge
- Final Inspection Test to EN 12266 (DIN 3230 part 3)
- Inside stem screw
- Readjustable stem seal
- With handwheel or Cap
- Flange to EN 1092-2

Materials

- **Water:**
 - Body, wedge and bonnet of ductile cast iron EN - GJS 400 (GGG-40)
 - Wedge fully rubber lined with EPDM/NBR
 - Stem of stainless steel with 13% chromium
 - Stem nut of forged brass
- **Sewage:**
 - Body, wedge and bonnet of ductile iron EN - GJS 400 (GGG-40)
 - Wedge fully rubber lined all over with EPDM/NBR
 - Stem nut of forged brass

Corrosion Protection

- Inside and outside epoxy coated

Field of Application

- Max. operating temperature: 70°C (120°C customer's order)

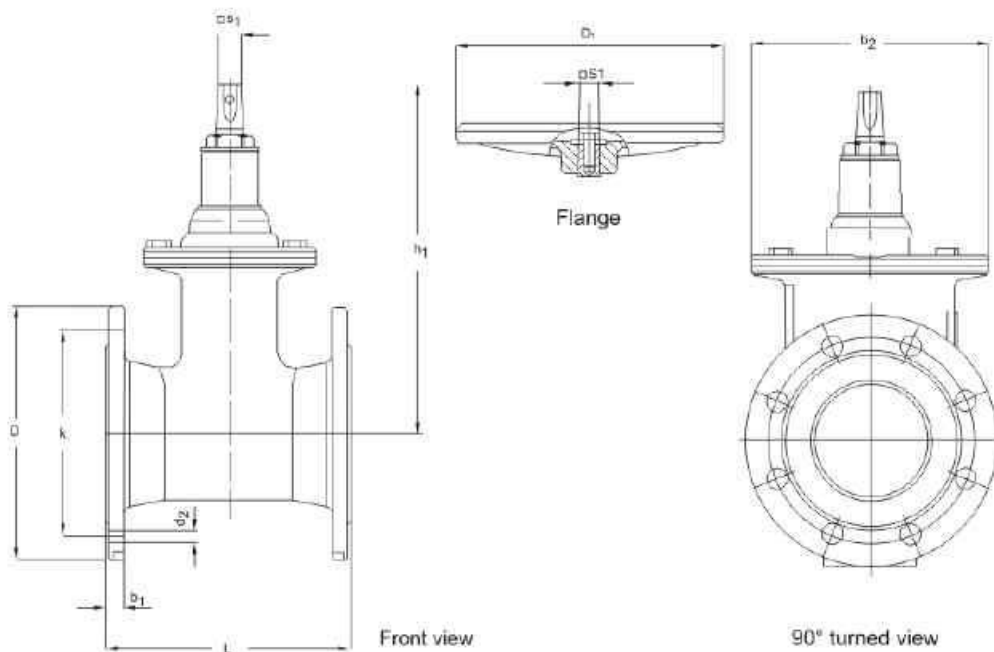


Final inspection test according to EN 12266 standard

Application: Water and waste water systems

DN mm	PN bar	Max. operating over-pressure bar	Max. operating 1) temperature for neutral liquids °C	Test pressure with water 23 °C bar in body	bar in seat
40...300	16	16	70	24	18
40...300	10	10	70	15	11

Dimensions/ weights



Dimensions in mm		40	50	65	80	100	125	150	200	250	300
Dimensions	$h_1 \approx$	226	233	273	278	310	347	386	493	606	670
	b_2	121	121	206	206	206	228	252	330	413	472
	$\square S_1$	14	14	14	17	17	19	19	24	27	27
	D_1	200	200	200	250	250	315	315	360	400	400
Face-to-face length L To EN 558-1 Basic series 14		140	150	170	180	190	200	210	230	250	270
Flange dimensions to EN 1092-2 PN 16	D	150	165	185	200	220	250	285	340	405	460
	k	110	125	145	160	180	210	240	295	355	410
	No. of holes	4	4	4	8	8	8	8	12	12	12
	d_2	19	19	19	19	19	19	23	23	28	28
PN 10	b_1	19	19	19	19	19	19	19	20	22	24,5
	k								295	350	400
	No. of holes	PN 10 and PN 16 are identical							8	12	12
	d_2								23	23	23
Turns/stroke		10	12	16	20	20	25	30	34	43	51
Net weight Kg \approx		9.2	11.7	14.9	17.7	24.5	34.3	41.1	66.2	104.8	122.5



Disk Check Valve (Metallic Sealing / Resilient Seated) **CM**

- PN 10/16
- DN 50....400

Product Features

- Metallic or soft sealing
- Face to face to EN 558-1, basic series 48 (DIN 3202, F6)
- Final inspection test to EN 12266 (DIN 3230 part 4)
- Ductile Cast Iron to EN 1561 (DIN 1693)
- Gray Cast Iron to EN 1563 (DIN 1691)
- Flange dimensions to EN 1092-2

Materials

- Body of Gray cast iron EN - GJL 250 (GG-25)
- Seals fully rubber lined with EPDM/NBR/Silicon
- Seal of Bronze
- Disk of Cast Iron to EN-GJS-400(GGG40) / Bronze (Customer's order)

Corrosion Protection

- Inside and outside electro-static powder epoxy coating

Field of Application

- Max. operating temperature for neutral fluids:
- soft sealing version up to 70°C
- metallic sealing version up to 120°C



Final inspection test according to EN 12266 standard

Application: Water and waste water systems

DN mm	PN bar	Max. operating over-pressure bar	Max. operating temperature for neutral liquids °C	Test pressure with water 23 °C	
				bar in body	bar in seat
50...400	16	16	70/120	24	18
50...400	10	10	70/120	15	11



Disk Check Valve (Metallic Sealing / Resilient Seated) **CM**

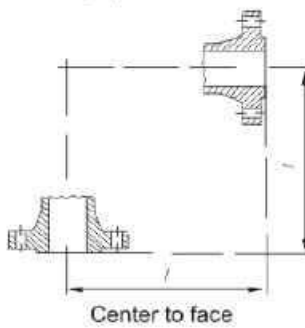
Dimensions/ weights

Straight pattern valve



Face to face

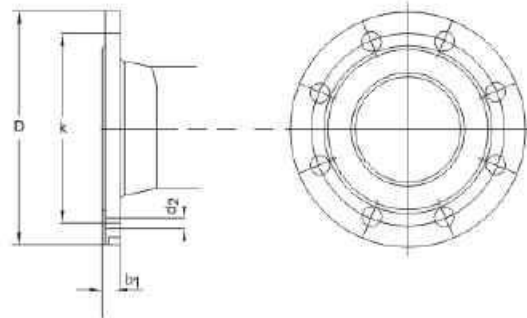
Angle pattern valve



Center to face

Flange

90° turned view



Made of cast iron

Dimensions in mm													
Nominal diameter	DN	50	65	80	100	125	150	200	250	300	350	400	
Face to face dimensions To EN 558-1 series 48	L	200	240	260	300	350	400	500	510	565	645	685	
Flange Dimensions	PN10	D	165	185	200	220	250	285	340	395	445	505	565
		K	125	145	160	180	210	240	295	350	400	460	515
		holes	4	4	8	8	8	8	8	12	12	16	16
		d2	19	19	19	19	19	23	23	23	23	23	28
		b1	22	22	22	24	26	26	26	28	28	30	32
To EN 1092-2	PN16	D	165	185	200	220	250	285	340	405	460	520	580
		K	125	145	160	180	210	240	295	355	410	470	525
		holes	4	4	8	8	8	8	12	12	12	16	16
		d2	19	19	19	19	19	23	23	28	28	28	31
		b1	22	22	22	24	26	26	30	32	32	36	38
Net weight Kg ≈		17.6	22.5	24.4	29.9	48.9	67.5	92.2	143.8	188.2	246.1	261.4	



Disk Non Return Valve With Lever (Resilient Seated /Metallic Sealing) **NR**

- PN 10/16
- DN 50...400

Product Features

- Metallic or soft sealing
- Face to face to EN 558-1, basic series 48 (DIN 3202, F6)
- Final inspection test to EN 12266 (DIN 3230 part 4)
- Ductile Cast Iron to EN 1563 (DIN 1693)
- Gray Cast Iron to EN 1561 (DIN 1691)
- Flange dimensions to EN 1092-2

Materials

- Body of Gray cast iron EN - GJL 250 (GG-25)
- Seals fully rubber lined with EPDM/NBR/Silicon
- Seal's ring of Bronze
- Disk of Cast Iron to EN-GJS-400(GGG40) / Bronze (Customer's order)

Corrosion Protection

- Inside and outside electro-static powder epoxy coating ,

Field of Application

- Max. operating temperature for neutral fluids:
- soft sealing version up to 70°C
- metallic sealing version up to 120°C



Final inspection test according to EN 12266 standard

Application: Water and waste water systems

DN mm	PN bar	Max. operating over-pressure bar	Max. operating temperature for neutral liquids °C	Test pressure in bar with water 23 °C in body	bar in seat
50...400	16	16	70/120	24	18
50...400	10	10	70/120	15	11

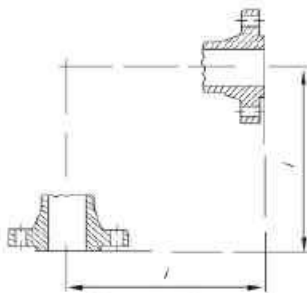
Dimensions/ weights

Straight pattern valve



Face to face

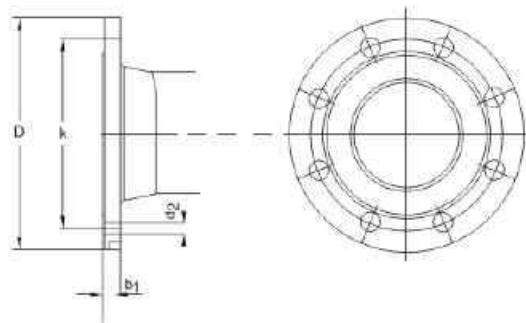
Angle pattern valve



Center to face

Flange

90° turned view



Made of cast iron

Dimensions in mm													
Nominal diameter	DN	50	65	80	100	125	150	200	250	300	350	400	
Face to face dimensions To EN 558-1 series 48	L	200	240	260	300	350	400	500	510	565	645	685	
Flange Dimensions	PN10	D	165	185	200	220	250	285	340	395	445	505	565
		K	125	145	160	180	210	240	295	350	400	460	515
		holes	4	4	8	8	8	8	8	12	12	16	16
		d2	19	19	19	19	19	23	23	23	23	23	28
		b1	22	22	22	24	26	26	26	28	28	30	32
To EN 1092-2	PN16	D	165	185	200	220	250	285	340	405	460	520	580
		K	125	145	160	180	210	240	295	355	410	470	525
		holes	4	4	8	8	8	8	12	12	12	16	16
		d2	19	19	19	19	19	23	23	28	28	28	31
		b1	22	22	22	24	26	26	30	32	32	36	38
Net weight Kg ≈		21.5	26.4	28.3	33.8	55.9	74.5	99.2	152.8	199	259	274	



Butterfly Valve Wafer Type

BW

- PN 10/16
- DN 50....300

Product Features

- Design and Manufacturing accordance with EN 593, Basic DIN
- Face-to-face length acc. to EN 558-1, basic series 20 (DIN 3202 / K1)
- Wafer-type for flanges acc. to EN 1092-2
- Final inspection test to EN 12266 (DIN 3230 part 3)

Materials

- Body: Ductile cast iron EN-GJS 400 (GGG-40) EN 1563 (DIN 1693)
Gray cast iron EN-GJS 250 (GG-25) EN 1561 (DIN 1691)
- Disk: Ductile cast iron EN- GJS 400 (GGG-40) EN 1563 (DIN 1693)
- *Other Materials of Body and Disk:
stainless steel and steel alloys , Bronze, Aluminum Bronze,
Nickel Aluminum Bronze
- Seals fully rubber lined with EPDM (up to 100°C) /NBR (up to 70°C) /FKM
- Stem of stainless steel with 13% chromium (AISI 420) / Customer's order

Corrosion Protection

- Body: Inside and outside epoxy coating - Nickel chrome plating-
Customer's order coating

Field of Application

- Max. operating temperature: 70°C
- Adaptable to many kind of flanges, accordance with:
- EN 1092-ISO 7005-ASME B 16.1 CLASS 125 – ASME 16.5 CLASS 150



Final inspection test according to EN 12266 standard

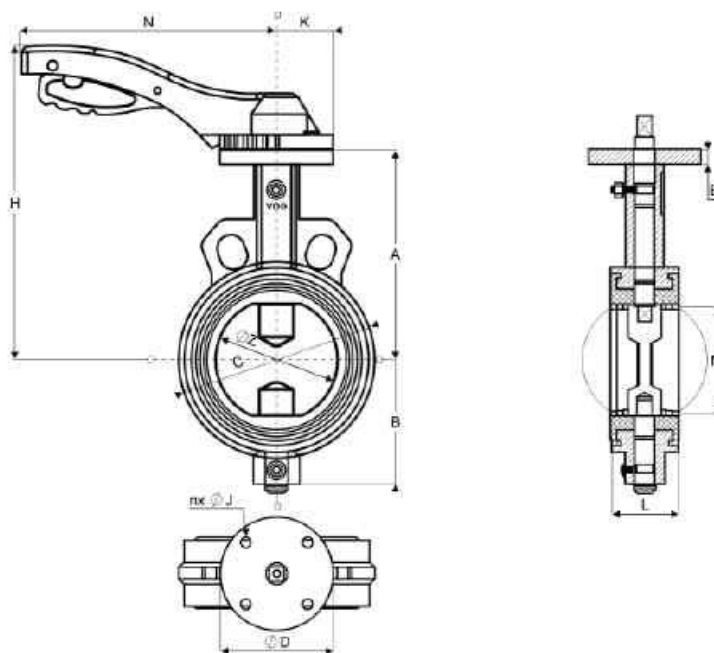
Application: Water and waste water systems, food industries

DN mm	PN bar	Max. operating over-pressure bar	Max. operating temperature for neutral liquids °C	Test pressure in bar with water 23 °C in body	bar in seat
50...300	16	16	70	24	18
50...300	10	10	70	15	11

Butterfly Valve Wafer Type

BW

Dimensions/ weights



Dimensions in mm

Dim	A	B	C	ØD	E	H	nxØJ	L	M	ØZ	ISO	N	K	Weight (Kg) Free stem
50	126	68	99	90	12	209	4x9	43	25.5	50	F07	204	45	2.400
65	136	78	120	90	12	219	4x9	46	46	65	F07	204	45	3.200
80	160.5	90.5	136	90	12	244	4x9	46	65	80	F07	204	45	3.850
100	168	99	156	90	12	251	4x9	52	85.5	100	F07	204	45	4.750
125	182	112	186	90	12	273	4x9	56	110.5	125	F07	273	45	6.600
150	203	125	212	90	12	294	4x9	56	141	150	F07	273	45	8.300
200	228	151	257	125	12	329	4x11	60	190	200	F10	320	62.5	11.200
250	266	206	328	125	15	367	4x11	68	237.5	250	F10	320	62.5	22.700
300	293	230	367	125	17	394	4x11	78	288.5	300	F10	320	62.5	27.700



Lifting Non Return Valve - Globe Straight Type **NG**

- PN 10/16
- DN 15....400

Product Features

- Ductile Cast Iron to EN 1563 (DIN 1693)
- Gray Cast Iron to EN 1561 (DIN 1691)
- Face-to-face length acc. to EN 558-1, basic series 1 (DIN 3202, F1)
- flange acc. to EN 1092-2
- Final inspection test to EN 12266 (DIN 3230 part 3)

Materials

- Body and Bonnet: Cast iron EN-GJL 400 (GGG-40)/ EN-GJL 400 (GGG-25)
- Seat: Bronze / Stainless steel
- Seat: Bronze / Stainless steel / Ductile Cast Iron
- Disk: Bronze / Stainless steel / Ductile Cast Iron
- Spring: Stainless steel
- Disk seat: Bronze / Stainless steel / EPDM or NBR (customer's order)

Corrosion Protection

- Inside and outside epoxy coating

Field of Application

- Max. temperature for fluids:
- 70°C using disk seal of EPDM/NBR
- 100°C using disk seal disk of Silicon
- 150°C using disk seat of Bronze
- 200°C using disk seat of stainless steel



Final inspection test according to EN 12266 standard

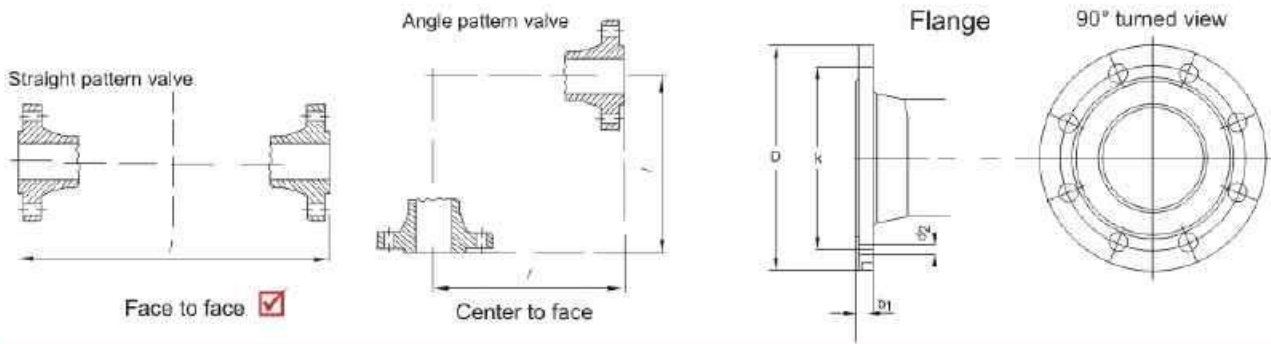
Application: Hot & cold Water / steam

DN mm	PN bar	Max. operating pressure bar	Max. operating temperature for neutral liquids °C	Test pressure in bar with water 23 °C	
				in body	in seat
15...400	16	16	70/100/150/200	24	18
15...400	10	10	70/100/150/200	15	11

Lifting Non Return Valve - Globe Straight Type

NG

Dimensions/ weights



Dimensions in mm														
Nominal diameter	DN	15	20	25	32	40	50	65	80	100	125	150	200	
Face to face dimensions To EN 558-1 series1	L	130	150	160	180	200	230	290	310	350	400	480	600	
Flange Dimensions To EN 1092-2	PN10	D	95	105	115	140	150	165	185	200	220	250	285	340
		K	65	75	85	100	110	125	145	160	180	210	240	295
		holes	4	4	4	4	4	4	4	8	8	8	8	8
		d2	14	14	14	19	19	19	19	19	19	19	23	23
		b1	16	18	18	20	20	22	22	22	22	24	26	26
	PN16	D	95	105	115	140	150	165	185	200	220	250	285	340
		K	65	75	85	100	110	125	145	160	180	210	240	295
		holes	4	4	4	4	4	4	4	8	8	8	8	12
		d2	14	14	14	19	19	19	19	19	19	19	23	23
		b1	16	18	18	20	20	22	22	22	22	24	26	26
Net weight	Kg ≈	3	4.1	4.8	5.7	7.8	10.8	14.9	22.1	32	48.7	71	150	

Made of cast iron

Dimensions in mm						
Nominal diameter	DN	250	300	350	400	
Face to face dimensions To EN 558-1 series1	L	650	645	800	800	
Flange Dimensions	PN10	D	395	445	505	565
		K	350	400	460	515
		holes	12	12	16	16
		d2	23	23	23	28
		b1	28	28	30	32
To EN 1092-2	PN16	D	405	460	520	580
		K	355	410	470	525
		holes	12	12	16	16
		d2	28	28	28	31
		b1	32	32	36	38
Net weight	Kg ≈	145	201.5	387	452	

Fire Hydrant

نوع A ایستاده

HU

Underground Hydrant

- PN 10/16
- DN 80/100/150

Outlet Numbers:

2 * 2 1/2" and 1*4" of Brass

Design acc. to DIN 3222

نوع B دفنی

HC

Chamber Hydrant

- PN 10/16
- DN 80/100

Outlet Numbers:

2 1/2" of Brass

Design acc. to BS 750

Product Features

- Ductile Cast Iron to EN 1563 (DIN 1693)
- Gray Cast Iron to EN 1561 (DIN 1691)
- Flange to EN 1092-2 PN 16
- Final inspection test to EN 12266
- Automatic protection against water loss when accident occurs
- Anti-freezing equipment

Materials

- Body and cone of ductile cast iron to EN-JS 1030 (GGG-40), BS 2789 grade 420/12
- Cone rubber lined EPDM
- Outlet of Die-cast brass BS 1400 DCB1
- Stem of stainless steel BS 750 part 1/431S29
- Bolts stainless steel, grade 204

Corrosion Protection

- Inside and outside epoxy coated

Field of Application

- Max. operating temperatures for neutral fluids: 50 °C
- Water distribution and supply, firefighting systems
- Firefighting systems : Type A and B
- green space irrigation and water harvesting: Type B



**Type B
Chamber Hydrant**

**Type A
Underground Hydrant**

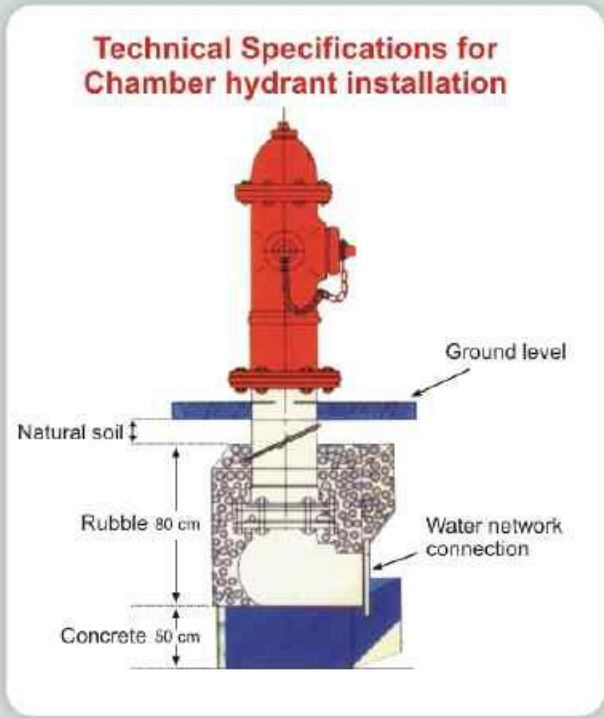


• For more information about installation, implementation and maintenance get in touch with us

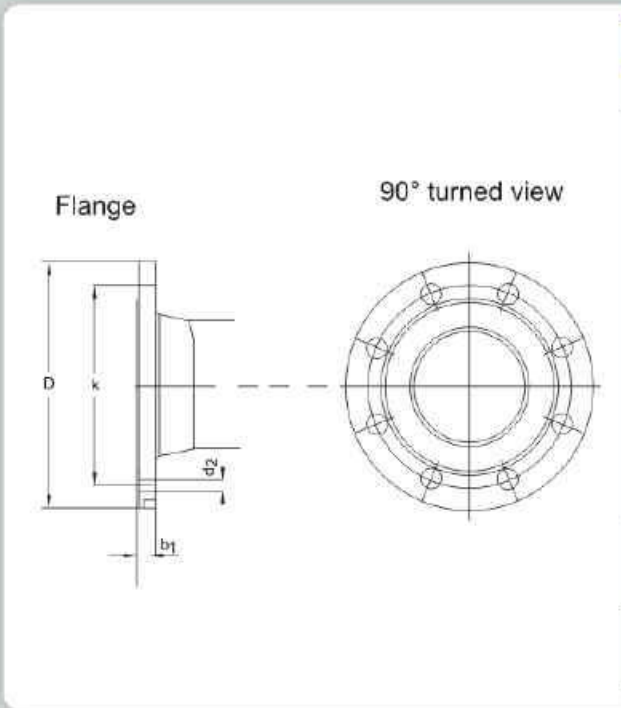


Fire Hydrant

Dimensions/ weights



Produced of cast iron



Dimensions in mm					
Nominal diameter	DN	80	100	150	
Flange	PN10	D	200	220	285
		K	160	180	240
Dimensions	holes		8	8	8
		d2	19	19	23
To EN 1092-2	PN16	b1	22	24	26
		D	200	220	285
Net weight Kg ≈	Underground Type A	K	160	180	240
		holes	8	8	8
Net weight Kg ≈	Chamber Type B	d2	19	19	23
		b1	22	24	26
Net weight Kg ≈	Underground Type A	210	215	220	
Net weight Kg ≈	Chamber Type B	21.5	22.6		

SC

Strainer -"Y" Type & Threaded "Y" Type

SY

- PN 10/16
- DN 50....300
- DN 350....600

Product Features

- Face-to-face length acc. to EN 558-1, series 1 basic series 1 (DIN 3202, F1)
- With flange ends on both sides acc. to EN 1092-2
- Ductile Cast Iron to EN 1563 (DIN 1693)

Materials

- Body: Cast iron EN-GJL 250 (GG-25)
- Filter: Stainless steel 1.4301
- Bolts and Nuts: Galvanized steel / A2

Corrosion Protection

- Inside and outside epoxy coated

Field of Application

- Max. operating temperature: 70°C

- * Threaded "Y" type strainer can be produced of Brass/Bronze if customers order.
- * Threaded "Y" type strainer Face-to-face length acc. to DIN 3202-P4-Series M6



OTHER TYPES

- DN 350...600 Flanged "Y" type of Steel (Fabricated)
- DN 350...600 Flanged "T" type of Steel (Fabricated)
- DN 15...80 threaded "Y" type of Steel (Fabricated)

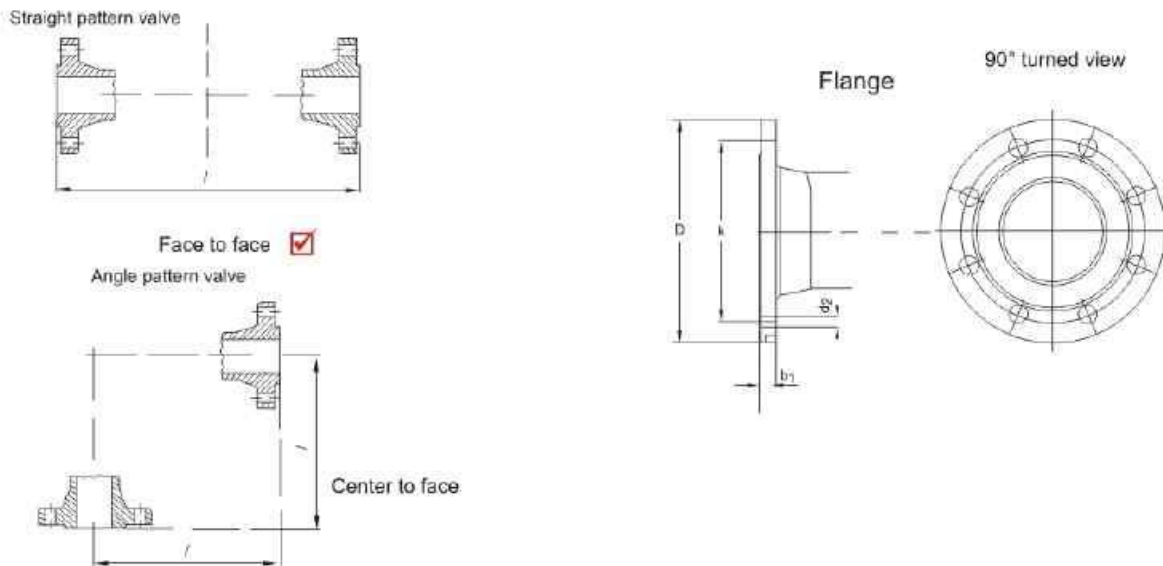


SC

Strainer - "Y" Type & Threaded "Y" Type

SY

Dimensions/ weights



Made of steel

Made of cast iron

Dimensions in mm																
Nominal diameter	DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	
Face to face dimensions To EN 558-1 series 1	L	230	290	310	350	400	480	600	730	850	980	1100	1200	1250	1450	
Face to face dimensions To EN 558-1 series 12	L	203	222	241	305	356	394	457	533	610	686	762	864	914	1067	
Flange Dimensions To EN 1092-1	PN10	D	165	185	200	220	250	285	340	395	445	505	565	615	670	780
		K	125	145	160	180	210	240	295	350	400	460	515	565	630	725
		holes	4	4	8	8	8	8	8	12	12	16	16	20	20	20
		d2	19	19	19	19	19	23	23	23	23	23	28	28	26	30
		b1	22	22	22	24	26	26	26	28	28	30	32	32	28	34
	PN16	D	165	185	200	220	250	285	340	405	460	520	580	640	715	840
		K	125	145	160	180	210	240	295	355	410	470	525	585	650	770
		holes	4	4	8	8	8	8	12	12	12	16	16	20	20	20
		d2	19	19	19	19	19	23	23	28	28	28	31	31	33	36
		b1	22	22	22	24	26	26	30	32	32	36	38	40	44	54
Net weight Kg ≈		10.9	13.9	17.7	24.6	31.7	44.1	86.4	96.2	125.9	133.9	220	236.2	276.3	325.2	

Dimensions in mm		Strainer - Threaded "Y" Type				صافی دنده ای (دو سر دنده) کد SC			
Nominal diameter	DN	15	20	25	32	40	50	65	
Face to face dimensions To EN 558-1 series M6	L	105	105	105	170	170	215	225	
Net weight	Kg ≈	0.8	1.0	1.8	2.4	3.4	5.5	8.0	



Globe Valve - Straight Type **GS**

- PN 10/16
- DN 15....400

Product Features

- rising stem and non-rising stem due to DIN 3356
- Face-to-face length acc. to EN 558-1, basic series 8 (DIN 3202, F32)
- With flange ends on both sides acc. to EN 1092-2
- Final inspection test to EN 12266
- Ductile Cast Iron to EN 1563 (DIN 1693)
- Gray Cast Iron to EN 1561 (DIN 1691)
- Low actuating torque

Materials

- Body: Cast iron EN-GJS 400 (GGG-40)/ EN-GJL 25 (GG-25)
- Bonnet: Cast iron EN-GJS 400 (GGG-40)/ EN-GJL 25 (GG-25)
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Piston guide, stem extension: Bronze
- Piston: Stainless steel 1.4301
- Seat : Bronze/Stainless steel
- Disk : Bronze/Stainless steel/Ductile Cast Iron
- Stem : Stainless steel
- Disk seat : Stainless steel/Bronze or Silicon/EPDM/NBR (customer's order)
- O-Ring: Viton

Corrosion Protection

- Inside and outside epoxy coated

Field of Application

- Max. temperature for fluids:
- 50°C using sealing disk of EPDM
- 100°C using sealing disk of Silicon
- 150°C using disk seat of Bronze
- 200°C using disk seat of stainless steel



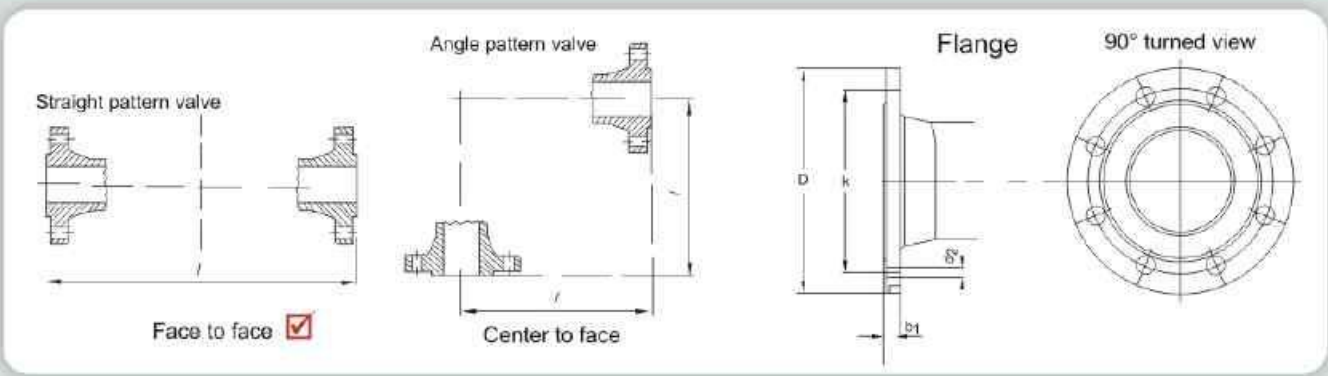
Final inspection test according to EN 12266 standard

Application: Hot & cold Water/steam

DN mm	PN bar	Max. operating pressure bar	Max. operating temperature for neutral liquids °C	Test pressure in bar with water 23 °C	
				in body	in seat
15...400	16	16	50/100/150/200	24	18
15...400	10	10	50/100/150/200	15	11

Globe Valve - Straight Type GS

Dimensions/ weights



Dimensions in mm															
Nominal diameter	DN	15	20	25	32	40	50	65	80	100	125	150	200		
Face to face dimensions To EN 558-1 series1	L	130	150	160	180	200	230	290	310	350	400	480	600		
Flange Dimensions To EN 1092-2	PN10	D	95	105	115	140	150	165	185	200	220	250	285	340	
		K	65	75	85	100	110	125	145	160	180	210	240	295	
		holes	4	4	4	4	4	4	4	4	8	8	8	8	8
		d2	14	14	14	19	19	19	19	19	19	19	19	23	23
		b1	16	18	18	20	20	22	22	22	22	24	26	26	26
	PN16	D	95	105	115	140	150	165	185	200	220	250	285	340	
		K	65	75	85	100	110	125	145	160	180	210	240	295	
		holes	4	4	4	4	4	4	4	4	8	8	8	8	12
		d2	14	14	14	19	19	19	19	19	19	19	19	23	23
		b1	16	18	18	20	20	22	22	22	22	24	26	26	30
Net weight	Kg ≈	3.3	4.1	5.1	6.9	8.1	12.2	16.4	23.8	31.6	54.1	73.9	150		

Made of cast iron

Dimensions in mm						
Nominal diameter	DN	250	300	350	400	
Face to face dimensions To EN 558-1 series1	L	655	645	800	800	
Flange Dimensions To EN 1092-2	PN10	D	395	445	505	565
		K	350	400	460	515
		holes	12	12	16	16
		d2	23	23	23	28
		b1	28	28	30	32
PN16	D	405	460	520	580	
	K	355	410	470	525	
	holes	12	12	16	16	
	d2	28	28	28	31	
	b1	32	32	36	38	
Net weight	Kg ≈	174	213	415	494	



Globe Valve - Angle Type

GA

- PN 10/16
- DN 32....100

Product Features

- rising stem and non-rising stem due to DIN 3356
- Face-to-face length acc. to EN 558-1, basic series 8 (DIN 3202, F32)
- With flange ends on both sides acc. to EN 1092-2
- Final inspection test to EN 12266
- Ductile Cast Iron to EN 1563 (DIN 1693)
- Gray Cast Iron to EN 1561 (DIN 1691)
- Low actuating torque

Materials

- Body: Cast iron EN-GJS 400 (GGG-40)/ EN-GJL 25 (GG-25)
- Bonnet: Cast iron EN-GJS 400 (GGG-40)/ EN-GJL 25 (GG-25)
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Piston guide, stem extension: Bronze
- Piston: Stainless steel 1.4301
- Seat : Bronze/Stainless steel
- Disk : Bronze/Stainless steel/Ductile Cast Iron
- Stem : Stainless steel
- Disk seat : Stainless steel/Bronze or Silicon/EPDM/NBR (customer's order)
- O-Ring: Viton

Corrosion Protection

- Inside and outside epoxy coated

Field of Application

- Max. temperature for fluids:
- 50°C using sealing disk of EPDM
- 100°C using sealing disk of Silicon
- 150°C using disk seat of Bronze
- 200°C using disk seat of stainless steel



Final inspection test according to EN 12266 standard

Application: Hot & cold Water/steam

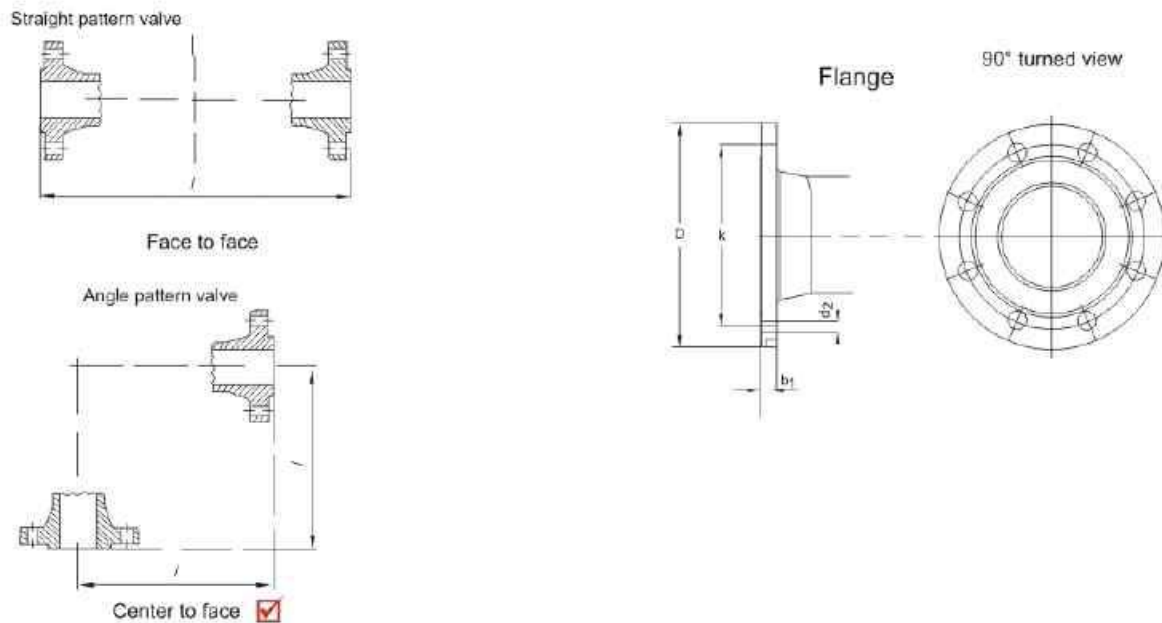
DN	PN	Max. operating over-pressure	Max. operating temperature for neutral liquids	Test pressure with water 23 °C	
mm	bar	bar	°C	bar in body	bar in seat
32...100	16	16	50/100/150/200	24	18
32....100	10	10	50/100/150/200	15	11



Globe Valve - Angle Type

GA

Dimensions/ weights



Made of cast iron

Dimensions in mm								
Nominal diameter	DN		32	40	50	65	80	100
Center to face dimensions To EN 558-1 series 8	L		105	115	125	145	155	175
Flange Dimensions To EN 1092-2	PN10	D	140	150	165	185	200	220
		K	100	110	125	145	160	180
		holes	4	4	4	4	8	8
		d2	19	19	19	19	19	19
		b1	20	20	22	22	22	24
	PN16	D	140	150	165	185	200	220
		K	100	110	125	145	160	180
		holes	4	4	4	4	8	8
		d2	19	19	19	19	19	19
		b1	20	20	22	22	22	24
Net weight Kg ≈			7.2	8.9	11.9	15.6	22.7	31.3



Floater Valve - Straight Type **FS** and Angle Type **FA**

- PN 10/16
- DN 32....100 Angle Type
- DN 50....400 Straight Type

Product Features

- Angle type and straight type level control valve
- Low actuating torque
- Face-to-face length for angle type acc. to EN 558-1, basic series 8 (DIN 3202, F32)
- Face-to-face length for straight type acc. to EN 558-1, basic series 1 (DIN 3202, F1)
- flange acc. to EN 1092-2
- Ductile Cast Iron to EN 1563 (DIN 1693)
- Gray Cast Iron to EN 1561 (DIN 1691)
- Final Inspection Test to EN 12266 (DIN 3230 part 3)

Materials

- Body: Cast iron EN-GJS 400 (GGG-40)/ EN-GJL 25 (GG-25)
- Bonnet: Cast iron EN-GJS 400 (GGG-40)/ EN-GJL 25 (GG-25)
- Disk : Bronze/Stainless steel/Ductile Cast Iron
- Stem : Stainless steel
- Seat : Bronze/Stainless steel
- Disk seat : Stainless steel/Bronze or EPDM/NBR
- Floater : Stainless steel/Aluminum

Corrosion Protection

- Inside and outside epoxy coated

Field of Application

- Max. operating temperature: 70°C



Final inspection test according to EN 12266 standard

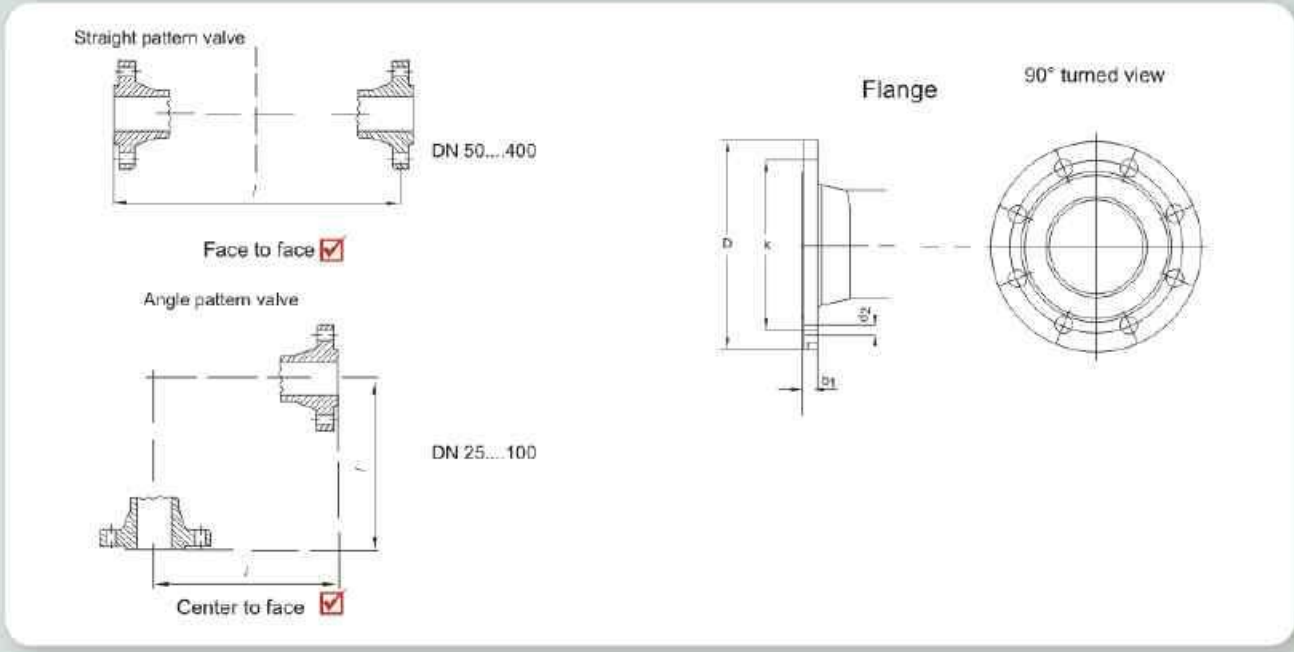
Application: Water systems

DN mm	PN bar	Max. operating pressure bar	Max. operating temperature for neutral liquids °C	Test pressure in bar with water 23 °C	
				in body	in seat
32...400	16	16	70	24	18
32...400	10	10	70	15	11



Floater Valve - Straight Type **FS** and Angle Type **FA**

Dimensions/ weights



Made of cast iron

Dimensions in mm														
Nominal diameter	DN	32	40	50	65	80	100	125	150	200	250	300	350	400
Face to face dimensions To EN 558-1 series 1	L	-	-	230	290	310	350	400	480	600	655	645	800	800
Center to face dimensions To EN 558-1 series 8	L	105	115	125	145	155	175	-	-	-	-	-	-	-
Flange PN10	D	140	150	165	185	200	220	250	285	340	395	445	505	565
	K	100	110	125	145	160	180	210	240	295	350	400	460	515
Dimensions To EN 1092-2	holes	4	4	4	4	8	8	8	8	8	12	12	16	16
	d2	19	19	19	19	19	19	19	23	23	23	23	23	28
To EN 1092-2 PN16	b1	20	20	22	22	22	24	26	26	26	28	28	30	32
	D	140	150	165	185	200	220	250	285	340	405	460	520	580
	K	100	110	125	145	160	180	210	240	295	355	410	470	525
	holes	4	4	4	4	8	8	8	8	12	12	12	16	16
	d2	19	19	19	19	19	19	19	19	23	23	28	28	28
b1	20	20	22	22	22	24	26	26	30	32	32	36	38	
Net weight Kg ≈		5.7	7.8	10.8	14.9	22.1	32	48.7	71	150	190	221	290	371



Pressure Reducing Valve **PR**

- PN 10/16
- DN 50....200

Product Features

- Pressure Control and reducing valve
- Outer Spring for adjustment of Pressure
- Ability to install pressure gauges
- Ductile Cast Iron to EN 1563 (DIN 1693)
- Gray Cast Iron to EN 1561 (DIN 1691)
- Face-to-face length acc. to EN 558-1, series 1
- flange acc. to EN 1092-2

Materials

- Body: Cast iron EN-GJS 400 (GGG-40)/ EN-GJL 25 (GG-25)
- Bonnet: Cast iron EN-GJS 400 (GGG-40)/ EN-GJL 25 (GG-25)
- Disk : Bronze/Stainless steel/Ductile Cast Iron
- Spring : Stainless steel
- Seat : Bronze/Stainless steel
- Diaphragm: EPDM/NBR

Corrosion Protection

- Inside and outside epoxy coated

Field of Application

- Max. operating temperature: 70°C
- suitable for Pressure and velocity Control

* DN250...400 can be produced of steel due to the customer's order (Fabricated)



Final inspection test according to EN 12266 standard

Application: Water systems

DN mm	PN bar	Max. operating over-pressure bar	Max. operating 1) temperature for neutral liquids °C	Test pressure with water 23 °C bar in body	bar in seat
50...200	10	10	70	15	11
50...200	16	16	70	24	17.6

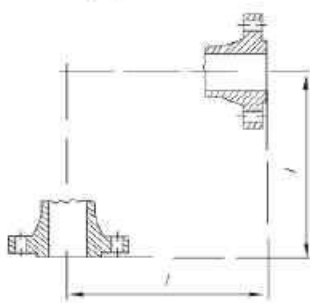
Dimensions/ weights

Straight pattern valve



Face to face

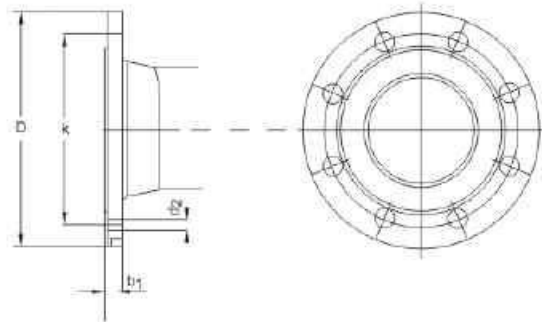
Angle pattern valve



Center to face

Flange

90° turned view



Made of cast iron

Dimensions in mm									
Nominal diameter	DN	50	65	80	100	125	150	200	
Face to face dimensions To EN 558-1 series 1	L	230	290	310	350	350	450	600	
Flange Dimensions	PN10	D	165	185	200	220	250	285	340
		K	125	145	160	180	210	240	295
		holes	4	4	8	8	8	8	8
		d2	19	19	19	19	19	23	23
		b1	22	22	22	24	26	26	26
To EN 1092-2	PN16	D	165	185	200	220	250	285	340
		K	125	145	160	180	210	240	295
		holes	4	4	8	8	8	8	12
		d2	19	19	19	19	19	23	23
		b1	22	22	22	24	26	26	30
Net weight Kg ≈		19.8	30.7	41.3	48.7	68.7	159.6	251	



Aire Valve: Double Orifice/Single Large Orifice/Single Small Orifice

AD

AL

AS

- PN 10/16
- DN 50....200

Product Features

- **Double orifice:**
 - Two chamber with High discharge capacity by means of stabilized float
 - large orifice for discharge and venting of big air volumes
 - small orifice for discharge of small air volumes during operation under full operation pressure
- **Single orifice:**
 - Single chamber with a float
 - large orifice for discharge and venting of big air volumes
 - small orifice for discharge of small air volumes during operation
- Ductile Cast Iron to EN 1563 (DIN 1693)
- flange acc. to EN 1092-2
- Final Inspection Test to EN 12266 (DIN 3230 part 3)



Double Orifice

Materials

- Body and bonnet of ductile cast iron EN - GJS 400 (GGG-40)
- Floater of high density polymer resists against pressure, impact, fatigue
- Gaskets and seal of EPDM/NBR
- small orifice of extruded brass

Corrosion Protection

- Inside and outside epoxy coated

Field of Application

- Max. operating temperature: 70°C
- Minimum pressure for sealing of small orifice 0.5 bar



Single Large Orifice

Single Small Orifice

Final inspection test according to EN 12266 standard

Application: Water systems

DN mm	PN bar	Max. operating pressure bar	Max. operating temperature for neutral liquids °C	Test pressure in bar with water 23 °C	
				in body	in seat
50...200	10	10	70	15	15
50...200	16	16	70	24	24



Aire Valve: Double Orifice/Single Large Orifice/Single Small Orifice

AD

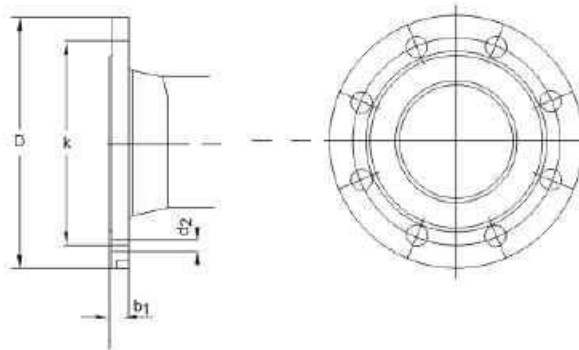
AL

AS

Dimensions/ weights

Flange

90° turned view



Made of ductile cast iron

Dimensions in mm							
Nominal diameter	DN	50	80	100	150	200	
Flange	PN10	D	165	200	220	285	340
		K	125	160	180	240	295
Dimensions		holes	4	8	8	8	8
		d2	19	19	19	23	23
		b1	19	19	19	19	20
To EN 1092-2	PN16	D	165	200	220	285	340
		K	125	160	180	240	295
		holes	4	8	8	8	12
		d2	19	19	19	23	23
		b1	19	19	19	19	20
Net weight	double orifice		13	18	23	41	58
Kg ≈							
Net weight	single large orifice		9	14	17	32	49
Kg ≈							
Net weight	single small orifice		8	12	16	29	44
Kg ≈							



Dismantling Joint Steel, Rigid **DJ**

- PN 10/16/25
- DN 40....1600

Product Features

- rigid connection between the outlet of the pipe line

Materials

- body parts of Ductile Cast Iron(GGG40) / Customer's order: Steel (ST 37)
- threaded bolts and hexagon nut of galvanized steel
- sealings of EPDM

Corrosion Protection

- Inside and outside epoxy coated

Field of Application

- permitted operating temperature for neutral fluids: 70°C
- for easy installation and dismantling of valves

Note:

Installation must be done in right diction, due to the water flow



Final inspection test according to EN 12266 standard Application: Water systems

DN mm	PN bar	Permitted operating over-pressure in bar for permitted operating temperature up to 70°C
40...1600	10	10
40...1400	16	16
40...1200	25	25

Double Disc Non Return Valve - Wafer Type **NW**

- PN 10/16
- DN 200...450

Product Features

- Double Disc Non Return Valve
- For Install between two flanges acc. to DIN 2501, PN 10/16
- Ductile Cast Iron to EN 1563 (DIN 1693)
- Gray Cast Iron to EN 1561 (DIN 1691)
- Face-to-face length acc. to EN 558-1, series 16
- Final Inspection Test to EN 12266 (DIN 3230 part 3)

Materials

- body: a) Gray Cast Iron (GG25)
b) Ductile Cast Iron (GGG40)
- Disk: a) Brass
b) Ductile Cast Iron (GGG40)
c) Stainless steel
- Stem and spring of Stainless steel
- seal of NBR/EPDM

Corrosion Protection

- Inside and outside epoxy coated

Field of Application

- permitted operating temperature for neutral fluids: 70°C



Dimensions/ weights

Size DN	Face-to-face dimensions L mm	Outside diameter D mm	Disc space requirements			Weight net approx. kg
			a mm	b mm	r mm	
200	105	275	192	60	104	15
250	105	330	244	81	126	28
300	115	380	295	100	153	34
350	135	440	320	108	168	53
400	140	491	380	137	195	70
450	160	558	420	152	217	100

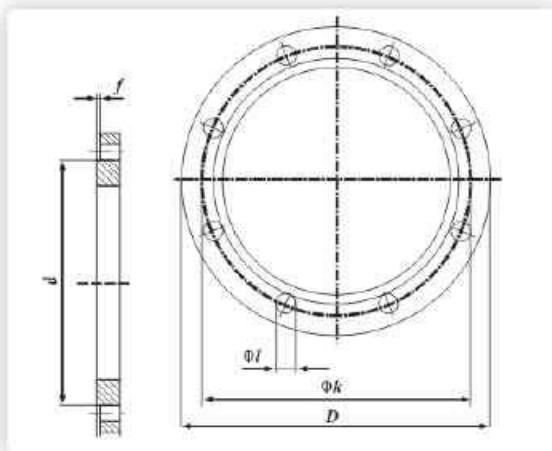
Final inspection test according to EN 12266 standard

Application: Water systems

DN mm	PN bar	Max. operating pressure bar	Max. operating temperature for neutral liquids °C	Test pressure with water 23 °C	
				bar in body	bar in seat
200...450	16	16	70	24	18
200...450	10	10	70	15	11

Cast iron flange dimensions according to DIN EN 1092-2

DN	D			K			L			No. of Bolts			d		
	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25
40	150	150	150	110	110	110	19	19	19	4	4	4	84	84	84
50	165	165	165	125	125	125	19	19	19	4	4	4	99	99	99
65	185	185	185	145	145	80	19	19	19	4	4	4	118	118	118
80	200	200	200	160	160	160	19	19	23	8	8	8	132	132	132
100	220	220	235	180	180	190	19	19	23	8	8	8	156	156	156
125	250	250	270	210	210	220	19	19	28	8	8	8	184	184	184
150	285	285	300	240	240	250	23	23	28	8	8	8	211	211	211
200	340	340	360	295	295	310	23	23	28	8	12	12	266	266	274
250	395	405	425	350	355	370	23	28	31	12	12	12	319	319	330
300	445	460	485	400	410	430	23	28	31	12	12	12	370	370	389
350	505	520	555	460	470	490	23	28	34	16	16	16	429	429	448
400	565	580	620	515	525	550	28	31	37	16	16	16	480	480	503
450	615	640	670	565	585	600	28	31	37	20	20	20	530	548	548
500	670	715	730	620	650	660	28	34	37	20	20	20	582	609	609
600	780	840	845	725	770	770	31	37	41	20	20	20	682	720	720
700	895	910	960	840	840	875	31	37	44	24	24	24	794	794	820
800	1015	1025	1085	950	950	990	34	41	50	24	24	24	901	901	928
900	1115	1125	1185	1050	1050	1090	34	41	50	28	28	28	1001	1001	1028
1000	1230	1255	1420	1160	1170	1210	37	44	57	28	28	28	1110	1113	1140
1200	1455	1485	1530	1380	1390	1420	41	50	57	32	32	32	1328	1328	1350



1- Dimensions (mm)

2- The size of f :

DN 40 to DN 250 = 3 mm

DN 300 to DN 500 = 4 mm

DN 600 to DN 1200 = 5 mm



دریافت پیش فاکتور آنلاین

با ارسال اقام درخواستی

به شماره :

۰۹۲۲۳۹۱۸۱۵۶

در واتس اپ

