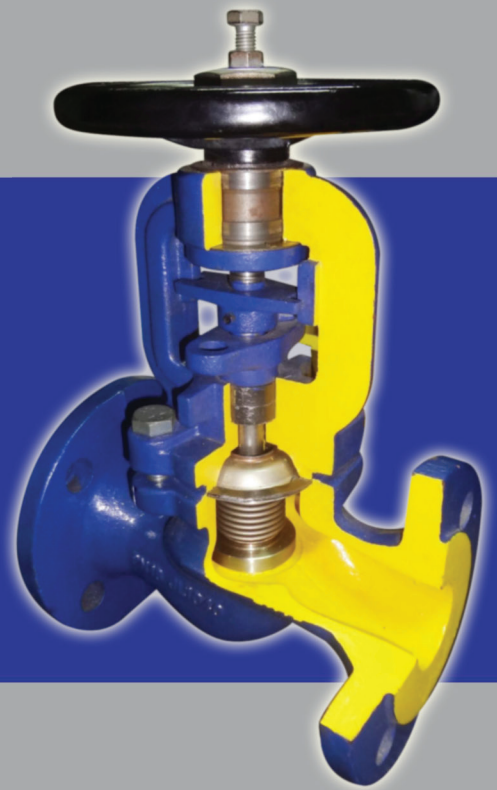




GLOBE VALVE
BELLOW SEAL





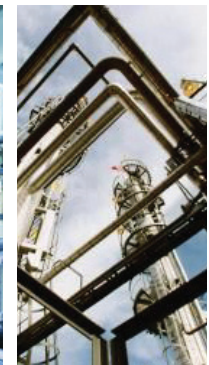

WIKATÜREN

Superior Performance Valve With Higher Quality Control to Maximize Customer's Satisfaction

Hamburg, Germany-as a world's well-known manufacturer of industrial valve. Today, Wikaturen also provide a full range with superior performance for globe valve, gate valve, check valve, ball valve and strainer.

Wikaturen's valve has been proven by thousand of international industrial plants in both inside and outside Europe for the superior performance and outstanding quality. As a result Wikaturen exports over million of valves per year though over the world.

With Wikaturen's Way, we believe that the key to success in business is to maximize our customer's satisfaction by maintain much higher quality control and testing standards than our competitors.



WIKATÜREN

GLOBE VALVE WITH BELLOW SEAL AND STUFFING BOX CAST IRON, NODULAR IRON, CAST STEEL



DESIGN

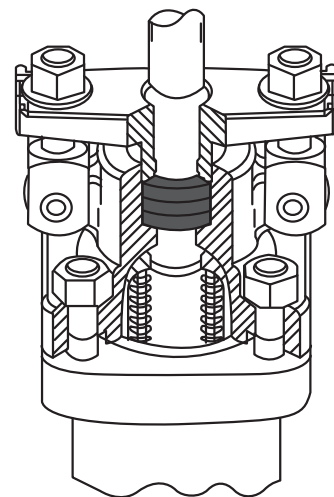
- Heavy duty long life design
- High tightness
- Non-turning stem/non-rising handwheel
- Stroke position indicator
- 2 Systems function with double wall bellow seal &
- 100% fully packing safety gland
- Control flow & pressure function by strock limited locking device (for control plug type)
- Non-rotation lock for each nominal diameter
- External spindle thread
- Heat dissipating bonnet
- Body in straight way pattern & angle pattern
- Environment friendly

GLOBE VALVE WITH BELLOW SEAL

- 2 Systems design
- 100% full packing safety gland plus double wall bellow sealed
- Maintenance free
- Throttling plug & control plug
- Metallic seat & PTFE soft seat (option)
- Approved, new european standard

DOUBLE SAFETY SEALING(ON VALVES)

In on-off apparatuses, the stuffing box is one of the points the most subject to attacks from the media(that pass through). In order to avoid accidents, When harmful or dangerous medias have to be intercepted, A bellows further protects the stuffing box.



APPLICATION

- Steam boiler TRD 108/110
- Thermal oil transfer application DIN 4754
- Pressure vessel equipment TRB 801 NO.45
- Hot water systems DIN 4752
- Powerstations
- Processing technology
- Vacuum facilities
- Gas supply
- Flue Gas Purification Plant
- Cooling and freezing systems
- Ammonia
- Vapour facilities

OPERATING DATA

- **TEMPERATURE LIMITING;**
 -10°C up to +300°C for GG25/JL 1040 (cast iron)
 -10°C up to +350°C for GGG40.3/JS 1025 (nodular iron)
 -60°C up to +450°C for GSC-25N/1.0619+N (cast steel)
- **PRESSURE LIMITING;**
 $\Delta P_{MAX} = 16$ Bar for GG25/JL 1040 (cast iron)
 $\Delta P_{MAX} = 25$ Bar for GGG40.3/JL 1025 (nodular iron)
 $\Delta P_{MAX} = 40$ Bar for GSC-25N/1.0619+N (cast steel)

FIGURE	VALVE TYPE	PLUG TYPE	NOM. PRESSURE	MATERIAL	NOM. DIAMETER
12.690	STRAIGHT WAY	THROTTLING	PN16	GG-25	DN 15-300
13.690	STRAIGHT WAY		PN16	GGG 40.3	DN 15-300
14.690	STRAIGHT WAY		PN25	GGG 40.3	DN 15-300
15.690	STRAIGHT WAY		PN40	1.0619+N	DN 15-200
22.690	STRAIGHT WAY	CONTROL	PN16	GG-25	DN 15-300
23.690	STRAIGHT WAY		PN16	GGG 40.3	DN 15-300
24.690	STRAIGHT WAY		PN25	GGG 40.3	DN 15-300
25.690	STRAIGHT WAY		PN40	1.0619+N	DN 15-200
12.690L	ANGLE	THROTTLING	PN16	GG-25	DN 15-300
13.690L	ANGLE		PN16	GGG 40.3	DN 15-300
14.690L	ANGLE		PN25	GGG 40.3	DN 15-300
15.690L	ANGLE		PN40	1.0619+N	DN 15-200
22.690L	ANGLE	CONTROL	PN16	GG-25	DN 15-300
23.690L	ANGLE		PN16	GGG 40.3	DN 15-300
24.690L	ANGLE		PN25	GGG 40.3	DN 15-300
25.690L	ANGLE		PN40	1.0619+N	DN 15-200

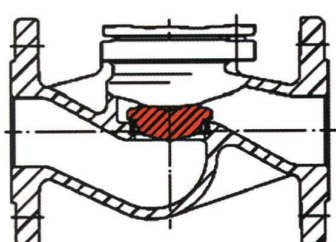
Test pressure : PN 16 Body = 24 Bar/Seat = 17.6 Bar
 PN 25 Body = 37.5 Bar/Seat = 27.5 Bar
 PN 40 Body = 60 Bar/Seat = 44.0 Bar

Max temp. : GG25 (-10°C~300°C), GGG 40.3 (-10°C~350°C), 1.0691 + N (-60°C~450°C)

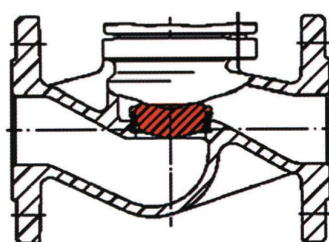
Body design : DIN 3202 F1 (EN 558-1)

Control plug : Positioning ratio 50:1

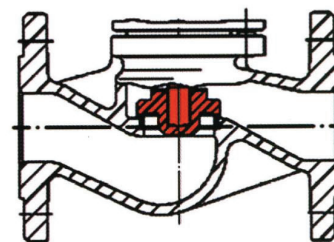
PLUG DESIGN (OPTION)



Control regulating plug



Control regulating plug with soft seal PTFE + 25% carbon Max. operating temperature 200°C



Loose plug : max differential pressure balancing plugs

GLOBE VALVE WITH BELLOW SEAL (CAST IRON, NODULAR IRON)

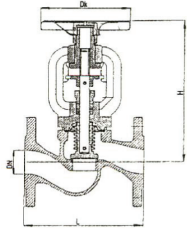


FIG. 690

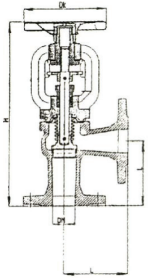


FIG. 670

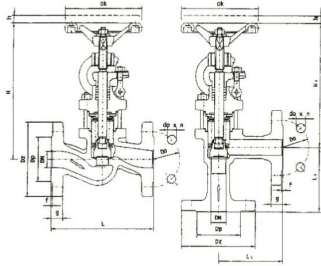
DIMENSION, kvs

DN	FIG.690/670		FIG.690		FIG.670		kvs m ³ /H
	Dk		L	H	L	H	
	mm		mm		mm		
15	125	130	175	90	255	4,6	
20	125	150	175	95	260	8,0	
25	125	160	185	100	270	13,5	
32	125	180	195	105	280	21,0	
40	150	200	235	115	330	33,0	
50	150	230	235	125	345	51,0	
65	175	290	270	145	390	82,0	
80	200	310	310	155	425	131,0	
100	250	350	370	175	505	205,0	
125	250	400	420	200	580	316,0	
150	300	480	505	225	675	451,0	
200	400	600	600	275	715	798,0	
250	520	730	665	325	905	1260,0	
300	520	850	720	375	995	1735,0	

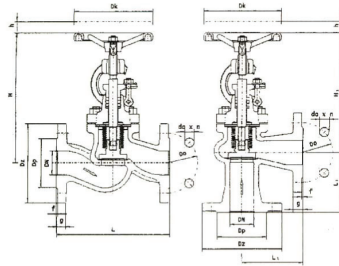
WEIGHTS (kg)

FIGURE NO. DN	15	25	25	32	40	50	65	80	100	125	150	200	250	300
12.690/13.690/14.690	3,8	4,3	5,1	7,4	8,7	12,1	16,1	21,3	33,0	51,0	69,0	105,0	180,0	265,0
22.690/23.690/24.690	4,0	4,5	5,3	7,6	8,9	12,4	16,4	21,6	33,2	51,3	69,3	105,3	180,3	265,4
12.670/13.670/14.670	3,8	4,3	5,1	7,4	8,7	12,1	16,1	21,3	33,0	51,0	69,0	105,0	180,0	265,0
22.670/23.670/24.670	4,0	4,5	5,3	7,6	8,9	12,4	16,4	21,6	33,2	51,3	69,3	105,3	180,3	265,4

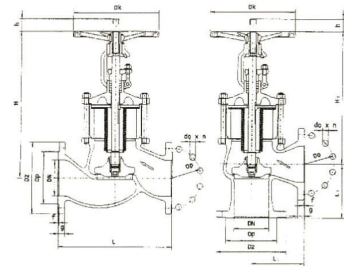
GLOBE VALVE WITH BELLOW SEAL (CAST STEEL)



DN15-25



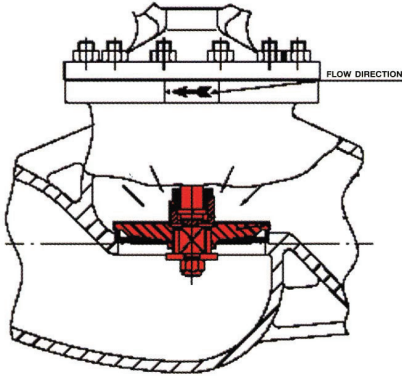
DN32-100



DN125-200

DIMENSION, WEIGHTS (kg), kvs

DN	D ₂	D _p	D _o	d _o xn	L	L ₁	f	g	H	H ₁	h	Dk	WEIGHT		kvs M ³ /H
													690	670	
													kg		
15	95	45	65	14x4	130	90	2	16	190	190	10	120	4,7	4,5	4,2
20	105	58	75	14x4	150	95	2	18	190	190	10	120	5,3	5,2	7,4
25	115	68	85	14x4	160	100	2	18	190	190	10	120	5,7	5,3	12,0
32	140	78	100	18x4	180	105	2	18	260	240	10	160	11,0	10,6	19,0
40	150	88	110	18x4	200	115	3	18	270	250	13	160	12,7	13,6	30,0
50	165	102	125	18x4	230	125	3	20	275	255	13	160	16,0	17,0	47,0
65	185	122	145	18x8	290	145	3	22	320	290	15	160	28,0	28,0	77,0
80	200	138	160	18x8	310	155	3	24	370	320	16	180	36,0	37,4	120,0
100	235	162	190	22x8	350	175	3	24	405	360	18	200	50,0	50,0	188,0
125	270	188	220	26x8	400	200	3	26	570	524	37	320	78,0	80	288,0
150	300	218	250	26x8	480	225	3	28	610	554	50	400	110,0	99	410,0
200	375	285	320	30x12	600	275	3	34	670	610	50	400	205,0	181	725,0



GLOBE VALVE WITH DIFFERENTIAL PRESSURE EXCEEDING THE FOLLOW PRESSURE, HAVE TO BE FITTED WITH PRESSURE BALANCING PLUGES;

PARTS LIST

BALANCING PLUG	DN	125	150	200	250	300
DIFFERENTIAL PRESSURE	ΔP	25 bar	21 bar	14 bar	9 bar	6 bar

PARTS LIST

FIGURE		12.690/670 22.690/670	13.690/670 14.690/670 23.690/670 24.690/670	15.690/670 25.690/670
PART	DESCRIPTION	MATERIAL, MATERIAL-NO		
1	Body	GG-25, 0.6025	GGG-40.3, 0.7043	1.0619+N 1.0619.01 (GS-C25N)
2	Seat	DN \leq 50: X20 Cr 13, 1.4021.05; DN $>$ 50: 1.4551		
3	Bonnet	GGG-40.3, 07043	GGG-40.3, 07043	DN \leq 80: C 22.8, 1.0460 DN $>$ 80: 1.0619+N, 1.0619.01 (GS+C25N)
4	Plug	DN \leq 200: X20 Cr 13, 1.4021.05 DN $>$ 200: P265 GH(kbl.HII) DIN 17155./X 5 CrNiNb 199, 1.4551		
5	Bellow	X6Cr Ni Mo Ti 17122, 1.4571		
6	Spindle	X20Cr 13.1.4021.05		
7	Handwheel	DN \leq 200: St coated DN $>$ 200: GG-25, 0.6025 coated		
8	Gland packing	Pure graphite		
9	Hex. screws/Studs	24 Cr Mo 5, 1.7258		
10	Hexagon nuts	Ck 35, 1.1181		
11	Seal	CrNi laminated with pure graphite		

PRESSURE-TEMPERATURE CLASSIFICATION

MATERIAL	PN	TEMPERATURE								
		-60°C<-10°C	-10°C	200°C	200°C	250°C	300°C	350°C	400°C	450°C
GG-25	16	-	16 bar	16 bar	13 bar	11 bar	10 bar	-	-	-
GGG-40.3	16	-	16 bar	16 bar	13 bar	13 bar	13 bar	10 bar	-	-
GGG-40.3	25	-	25 bar	25 bar	20 bar	18 bar	16 bar	15 bar	-	-
1.0619+N/C 22.8	40	20 bar	40 bar	40 bar	35 bar	32 bar	28 bar	24 bar	21 bar	18 bar