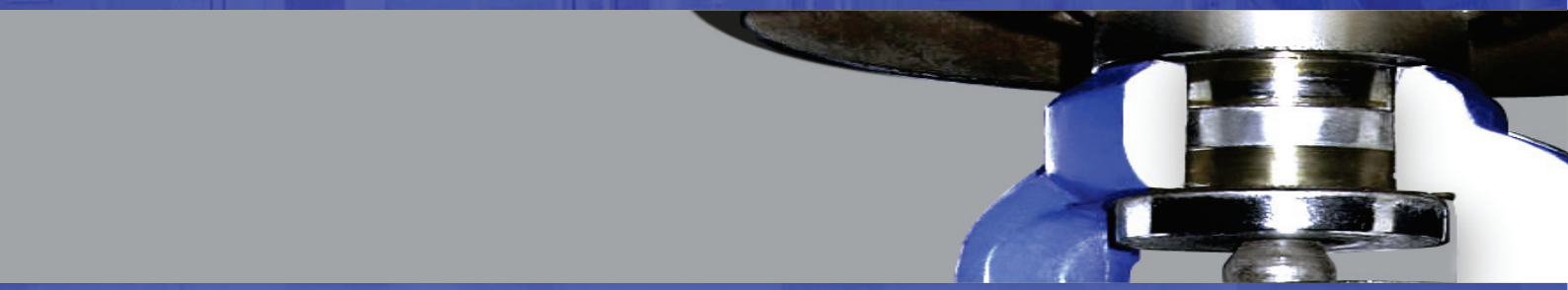

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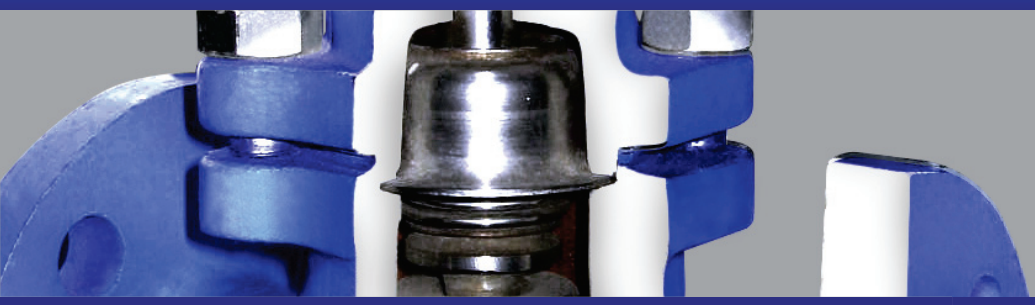


SERIES 7

A PART OF

USA
CLINTON
TEXON
CLINTON TEXON GROUP, USA

WIKA TÜREN

The company started its activity in 1955 in a modest workshop of 1000 sq. mt. manufacture gate, globe, check valves. Two years later the production has been significantly increased kinds products, such as expansion joint, strainer, cast steel and stainless steel valves. In 1963 to the new factory placed in WIKA ARMATUREN GmbH & Co.KG, D-20544 Hamburg. Wendentstrasse 140- 142 Germany, of 3000 sq. mt. and some products from Fabryka Armatury Przemystowej Anyway, all of the Top Quality bellows materials are from WIKATUREN Germany. Customer's exigencies always aimed to contain management of the plants, and above all to prevent the release of dangerous medias to atmosphere, targeted the company to maintenance less valves with guaranteed sealing. These valves are now produced huge in mass product of different materials such as cast iron, carbon steel and Stainless steel. Also in various types. CNC machines, fatigue test, sophisticated testing pumps and advanced facilities enable 1,000,000 pieces per year, only of this kind of valve.

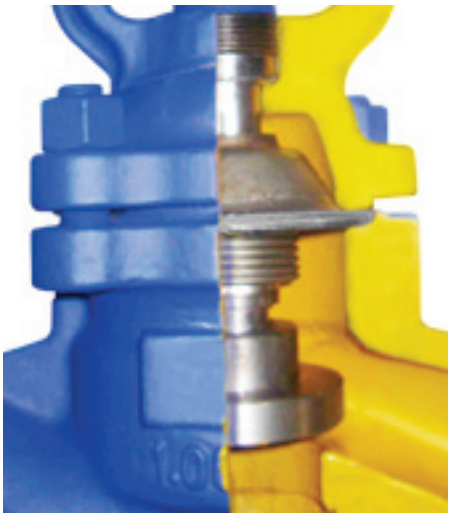
Profiting itself of specialized and certified international foundries. Experience, constan development, staff and new technology investments as well as customer satisfaction and record rewarded WIKATUREN. As consequence, in order to face the increasing orders WIKATUREN has started the enlargement that, at its succession, will reach 120,000 sq. mt. devoted to production and 1,700 sq. mt. to offices.

WIKATÜREN

GLOBE VALVE WITH BELLOW SEAL, CAST STEEL

DESIGN

- Heavy duty long life design
- High tightness
- Non-turning stem/non-rising handwheel
- Stroke position indicator
- Systems function with double wall bellow seal & 100% fuuly packing safety gland
- Control flow & pressure fuction 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 patten & angle patten
- Environment friendly



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

GLOBE VALVE WITH BELLOW SEAL

- Systems Design 100% fully packing safety gland plus double wall bellow sealed
- Maintenance free
- Throttling plug & control plug
- Metallic seal & PTFE sofe seat (Option)
- CE Approved new european standard

OPERATING DATA

- TEMPERATURE LIMITING :
  60°C up to +450°C for GSC-25N/1.0619+N (Cast Steel)
- PRESSURE LIMITING :
  Δ PMAX = 16 BAR for
  Δ PMAX = 25 BAR for } GSC-25N/1.0619+N (Cast Steel)
  Δ PMAX = 40 BAR for

DOUBLE SAFETY SEALING (ON VALVES)

In on-off apparatuses, the packing gland 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

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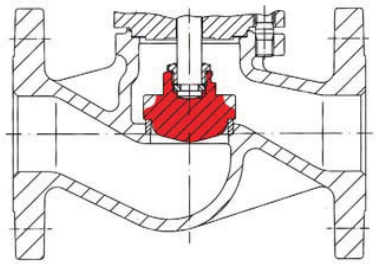
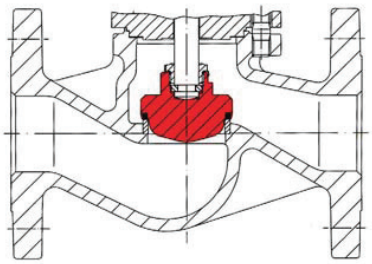
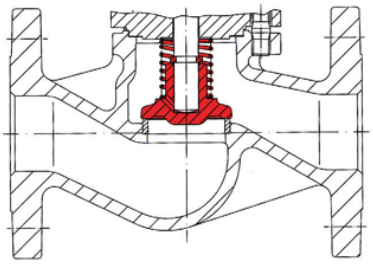
PLUG DESIGN (OPTION)



Coltrol Regulating plug

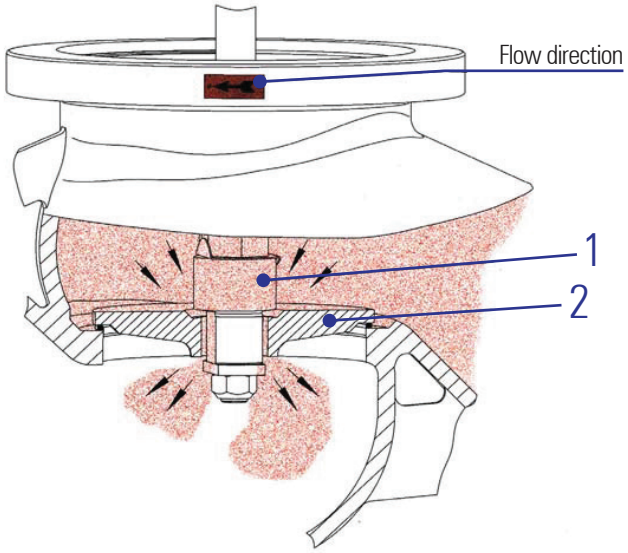


Coltrol Regulating plug
with soft seal PYEE
+25% carbon Max. operating
temperature 200°C



Loose plug : max differential
pressure balancing plug

Vales with balancing plugs have to be installed with medium flowing over the plug (2) as indicated by flow direction arrow on valve body.



Working principles

When the valve is closed, anticlockwise rotation of the hand wheel lifts the pilot plug (1) off the larger balancing plug (2). This allows medium to pass through the plug and equalizes the pressure of the medium under the plug (2).
After the pressures have been equalized within the values stated in the table, the valve can be opened by turning the valve further with normal manual force.

Balancing plugs are fully effective only in closed systems.

The pressures of the medium on either side of the plug cannot be equalized if the medium is discharged intro "open air" A bypass line or some other
arrangement is neccessary if too much time is required for pressureequalization owing to the volume in the piping system.

Globe valves with differential pressures exceeding the following presures. have to be fitted with pressure balancing plugs :

BALANCING PLUG	DN	125	150	200	250	300	350
Differential pressure	Δp	25 bar	21 bar	14 bar	9 bar	6 bar	4,5 bar

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GLOBE VALVE WITH BELLOW SEAL, CAST STEEL

FIGURE	VALVE TYPE	PLUG TYPE	NOM. PRESSURE	MATERIAL	NOM. DIAMETER
72.690	Straighway		PN16	1.0619+N	DN15-350
74.690	Straighway	Throtting	PN25	1.0619+N	DN15-350
75.690	Straighway		PN40	1.0619+N	DN15-350
62.690	Straighway		PN16	1.0619+N	DN15-350
64.690	Straighway	Control	PN25	1.0619+N	DN15-350
65.690	Straighway		PN40	1.0619+N	DN15-350
72.690L	Angle		PN16	1.0619+N	DN15-350
74.690L	Angle	Throtting	PN25	1.0619+N	DN15-350
75.690L	Angle		PN40	1.0619+N	DN15-350
62.690L	Angle		PN16	1.0619+N	DN15-350
64.690L	Angle	Control	PN25	1.0619+N	DN15-350
65.690L	Angle		PN40	1.0619+N	DN15-350
72.690Y	Y-Type		PN16	1.0619+N	DN15-350
74.690Y	Y-Type	Throtting	PN25	1.0619+N	DN15-350
75.690Y	Y-Type		PN40	1.0619+N	DN15-350
62.690Y	Y-Type		PN16	1.0619+N	DN15-350
64.690Y	Y-Type	Control	PN25	1.0619+N	DN15-350
65.690Y	Y-Type		PN40	1.0619+N	DN15-350

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 DESIGN : 1.0619+N (-60°C~450°C)
BODY DESIGN : DIN 3202 F1 (EN 558-1)
CONTROL PLUG : Positioning Ratio 50:1

MATERIAL	PN	TEMPERATURE										
		-60°C up to <-10°C*	-10°C	20°C	100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C
1.0619+N	16	8 bar	16 bar	16 bar	15 bar	14 bar	12,5 bar	11,5 bar	10,5 bar	9,7 bar	9,3 bar	9 bar
	25	12,5 bar	25 bar	25 bar	23,3 bar	21,7 bar	19,4 bar	17,8 bar	16,1 bar	15 bar	14,4 bar	13,9 bar
	40	20 bar	40 bar	40 bar	37,3 bar	34,7 bar	30,2 bar	28,4 bar	25,8 bar	24 bar	23,1 bar	22,2 bar

*Studs and nuts made of A4-70

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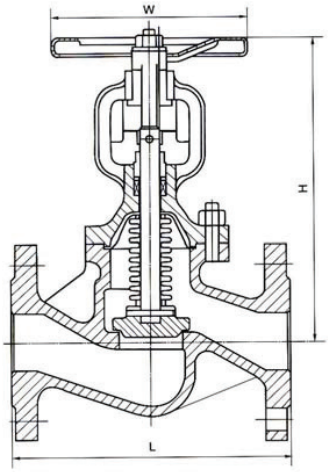
PARTS LIST

FIGURE		72.690 74.690 75.690	62.690 64.690 65.690	72.670 74.670 75.670	62.670 64.670 65.670	72.660 74.660 75.660	62.660 64.660 65.660
NO.	DESCRIPTION	MATERIAL, MATERIAL-NO					
1	Body	1.0619+N, 1.0619.01 (GS+C25N)					
2	Seat	X5CrNiMo 18 10, 1.4401 (AISI 316)					
3	Bonnet	1.0619+N, 1.0619.01 (GS+C25N)					
4	Plug	X5CrNiMo 18 10, 1.4401 (AISI 316)					
5	Bellow	X6CrNiMo 17-12-2, 1.4571					
6	Spindle	X6CrNiMo 17-12-2, 1.4571					
7	Handwheel	DN ≤ 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					

STRAINHT WAY TYPE



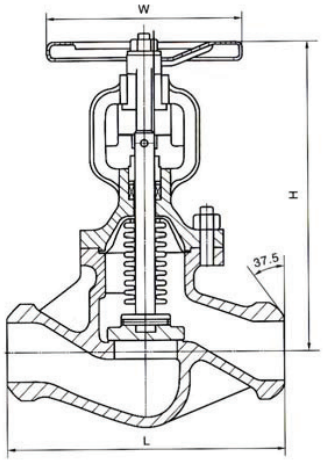


FIG	72.690 / 62.690, 74.690 / 64.690, 75.690 / 65.690														
CLASS	PN16, PN25, PN40														
SIZE	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
L	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980
H	195	200	220	225	235	250	260	265	370	400	515	550	600	630	680
W	130	130	130	130	150	150	180	180	200	200	400	450	450	500	500

WEIGHT (KG)

FIGURE DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
72.690 / 62.690	4	4,5	5	7	9	12,5	18	23	41	54	90	160	260	410	610
74.690 / 64.690	4	4,5	5	7,5	9,5	13	19	24	43	57	95	168	300	510	680
75.690 / 65.690	4	4,5	5	8	10	13,5	20	25	45	60	98	171	340	580	780

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ANGLE TYPE

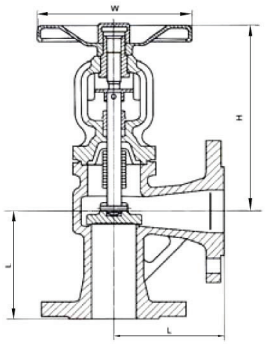
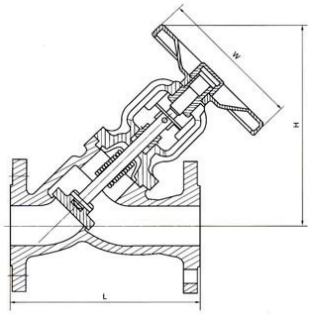


FIG	72.670 / 62.670, 74.670 / 64.670, 75.670 / 65.670														
CLASS	PN16, PN25, PN40														
SIZE	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
L	90	95	100	105	115	125	145	155	175	200	225	275	325	375	425
H	166	166	172	175	193	195	213	227	294	325	355	440	580	620	785
W	120	140	140	180	200	220	260	280	300	340	400	450	450	500	500

WEIGHT (KG)

FIGURE DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
72.670 / 62.670	4	5	6	10	13	18	25	30	40	50	11	180	300	450	670
74.670 / 64.670	4	5	6	11	14	19	27	32	43	53	110	200	330	480	700
75.670 / 65.670	4	5	6	11	14	20	28	33	45	55	120	210	350	500	730

Y-TYPE



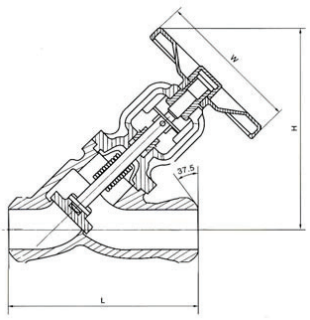


FIG	72.690 / 62.690, 74.690 / 64.690, 75.690 / 65.690														
CLASS	PN16, PN25, PN40														
SIZE	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
L	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980
H	195	195	200	200	230	235	260	275	350	385	445	605	730	805	880
W	120	140	140	180	200	220	260	280	300	340	400	450	450	500	500

WEIGHT (KG)

FIGURE DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
72.660 / 62.660	4	4,5	5	7	9	12,5	18	23	41	54	90	160	260	410	610
74.660 / 64.660	4	4,5	5	7,5	9,5	13	19	24	43	57	95	168	300	510	680
75.660 / 65.660	4	4,5	5	8	10	13,5	20	25	45	60	98	171	340	580	780

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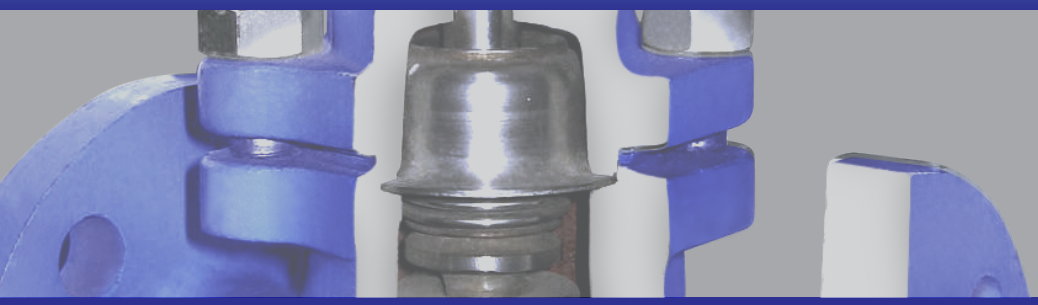

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