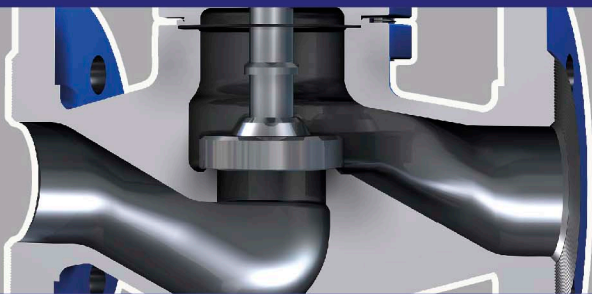




WIKATÜREN



SERIES 8





WIKATÜREN

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.





GLOBE VALVE PACKING SEALED
DIN PN16-PN25-PN40 F1/F2

SERIES 8



DESIGN

- Proven technology
- Solid plug made of high resistant stainless material
- Solid stem make of high strength stainless material
- Stem sealing in graphite Raised, turning stem
- Back sealed stem Welded seat in stellite or Cr-steel overlay
- High-tensile Gland Packing Self adjusted gland
- Plug disc, throttling disc, Balance disc design for optional

APPLICATION

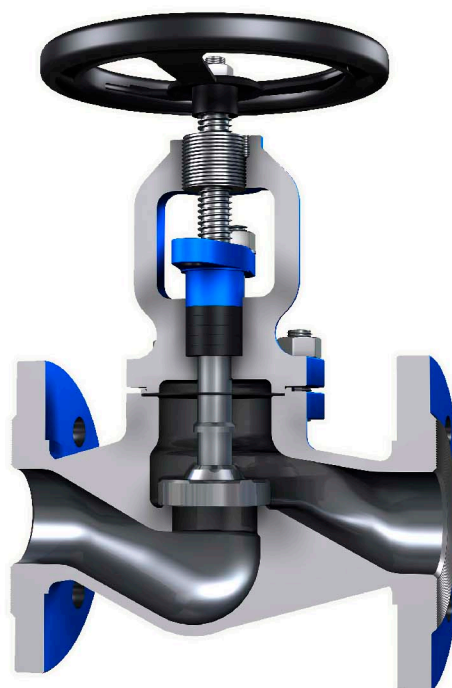
Industry, power stations, flue gas purification plant, processing technology, gas supply, vapour facilities, recycling facilities, hot water, heating, technology, district heating, thermal oil & steam applications, general plant manufacturing.

MEDIUMS

Gases, Hot water, Steam, Thermal oil, Process water, Ammonia etc.

OPERATING DATA

Temperature Rating : -260°C up to +420°C



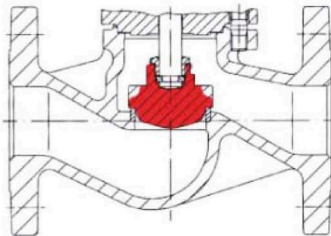


WIKATÜREN

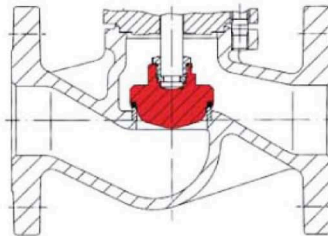
GLOBE VALVE PACKING SEALED
DIN PN16-PN25-PN40 F1/F2

SERIES 8

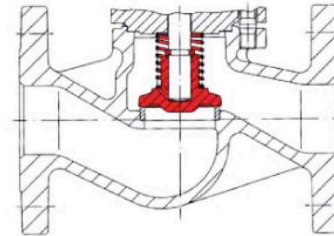
PLUG DESIGN (OPTION)



Control Regulating plug



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

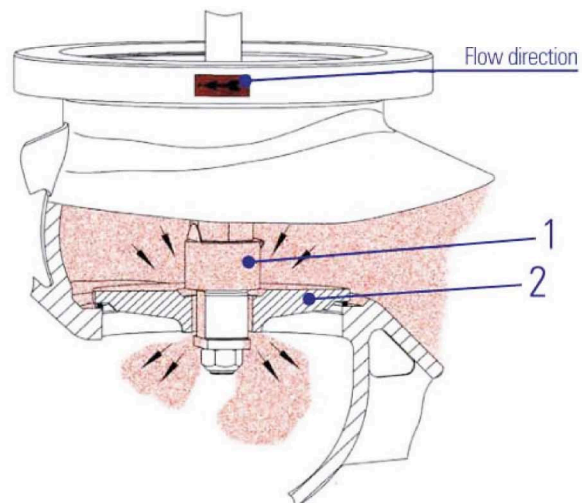


*Loose plug : max differential
pressure balancing plug*

Valves 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.

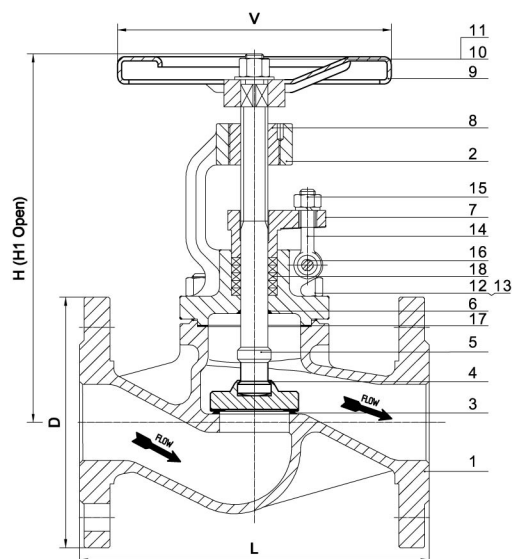


Balancing plugs are fully effective only in closed systems.

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

Globe valves with differential pressures exceeding the following pressures, 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


GLOBE VALVE PACKING SEALED
DIN PN16-PN25-PN40 F1/F2
SERIES 8

FEATURE

BOLTED BONNET
 OUTSIDE SCREW AND YOKE
 RISING STEM
 RISING HANDWHEEL
 LOOSE DISC

SPECIFICATION

- Design and Manufacture : BS EN 13709
- Face to face : BS EN 558-1
- Flanges : BS EN 1092-1
BW TO BS EN 12627
- Testing : BS EN 12266
- Rating : BS EN 12516
- Marking : EN 19
CE - PED
- Certificates : EN 10204 – 3.1 B

MATERIALS

NO.	PART NAME	MATERIAL		
		82.690	84.690	85.690
1	Body	1.0619	1.4308	1.4408
2	Bonnet	1.0619	1.4308	1.4408
3	Seat surface	X20Cr13 (1)	Integral SS304 (1)	Integral SS316(1)
4	Disc seat surface	X20Cr13 (1)	Integral SS304 (1)	Integral SS316(1)
5	Stem	X20Cr13 (2)	1.4301 (2)	1.4401 (2)
6	Back seat (integral)	X20Cr13 (2)	Integral SS304 (1)	Integral SS316(1)
7	Gland	1.0619	1.4308	1.4308
8	Yoke sleeve	GGG 40.3 (3)	Cu-Alloy	Cu-Alloy
9	Handwheel	Steel	Steel	Steel
10	Plate	Stainless Steel	Stainless Steel	Stainless Steel
11	Handwheel nut	Stainless Steel	Stainless Steel	Stainless Steel
12	Bolts	ASTM A193 B7	ASTM A193 B8	ASTM A193 B8
13	Nuts	ASTM A194 2H	ASTM A194 8	ASTM A194 8
14	Eye bolts	ASTM A193 B7	ASTM A193 B8	ASTM A193 B8
15	Nuts	ASTM A194 2H	ASTM A194 8	ASTM A194 8
16	Eye bolt pin	Steel	Steel	Steel
17	Gasket	S.S. Reinforced Graphite (4)	S.S. Reinforced Graphite (4)	S.S. Reinforced Graphite (4)
18	Packing	Graphite (4)	Graphite (4)	Graphite (4)

Maximum pressure under the disc

DN	80	100	125	150	200	250	300	350	400
Δp bar	85	60	35	21	14	9	6	5	4

If higher, valve to be mounted with gear operator or with pressure above the disc and fitted with external or internal bypass.


WIKATÜREN
**GLOBE VALVE PACKING SEALED
DIN PN16-PN25-PN40 F1/F2**
SERIES 8
FIGURE 82.690
GLOBE VALVES DIN PN16 - Face to Face F1

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
D	95	105	115	140	150	165	185	200	220	250	285	340	405	460	520	580
V	140	140	160	160	180	180	200	250	300	350	400	500	500	500	600	600
H	180	190	220	225	252	263	290	330	350	420	455	550	665	800	960	1060
H1	190	202	236	241	272	287	315	360	385	465	505	630	755	910	1080	1210

FIGURE 84.690
GLOBE VALVES DIN PN25 - Face to Face F1

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
D	95	105	115	140	150	165	185	200	235	270	300	360	425	485	555	620
V	140	140	160	160	180	180	200	250	300	350	400	500	500	500	600	600
H	180	190	220	225	252	263	290	330	350	420	455	550	665	800	960	1060
H1	190	202	236	241	272	287	315	360	385	465	505	630	755	910	1080	1210

FIGURE 85.690
GLOBE VALVES DIN PN40 - Face to Face F1

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
D	95	105	115	140	150	165	185	200	235	270	300	375	450	515	580	660
V	140	140	160	160	180	180	200	250	300	350	400	500	500	500	600	600
H	180	190	220	225	252	263	290	330	350	420	455	550	665	800	960	1060
H1	190	202	236	241	272	287	315	360	385	465	505	630	755	910	1080	1210

Features on request

- TOP FLANGE TO ISO 5210
- GEAR OPERATOR
- CHAIN WHEEL OPERATOR
- PNEUMATIC ACTUATOR
- HYDRAULIC ACTUATOR
- ELECTRIC ACTUATOR
- POSITION INDICATOR
- LIMIT SWITCHES
- LOCKING / INTERLOCK SYSTEM
- PTFE SOFT SEATS
- STEM PROTECTION / EXTENSION
- REGULATING DISC
- DOUBLE STAGE DISC
- STOP CHECK DISC
- LIVE LOADED PACKING
- DRAIN PLUG
- BW ENDS
- ANSI CONNECTIONS