

# ETM Armaturen

Europe Technology Manufacturer



Y-STRAINER  
GATE VALVES  
GLOBE VALVES  
CHECK VALVES  
BELLOWS SEAL VALVES

**BS EN 13709-2010**

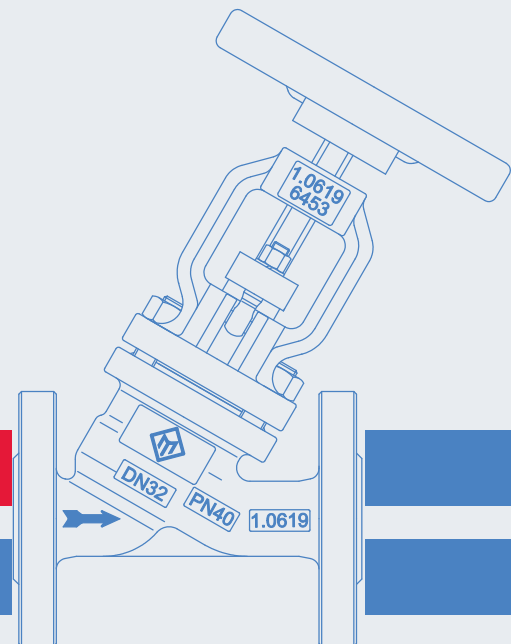
**STEEL GLOBE VALVES**

**ETM Armaturen**

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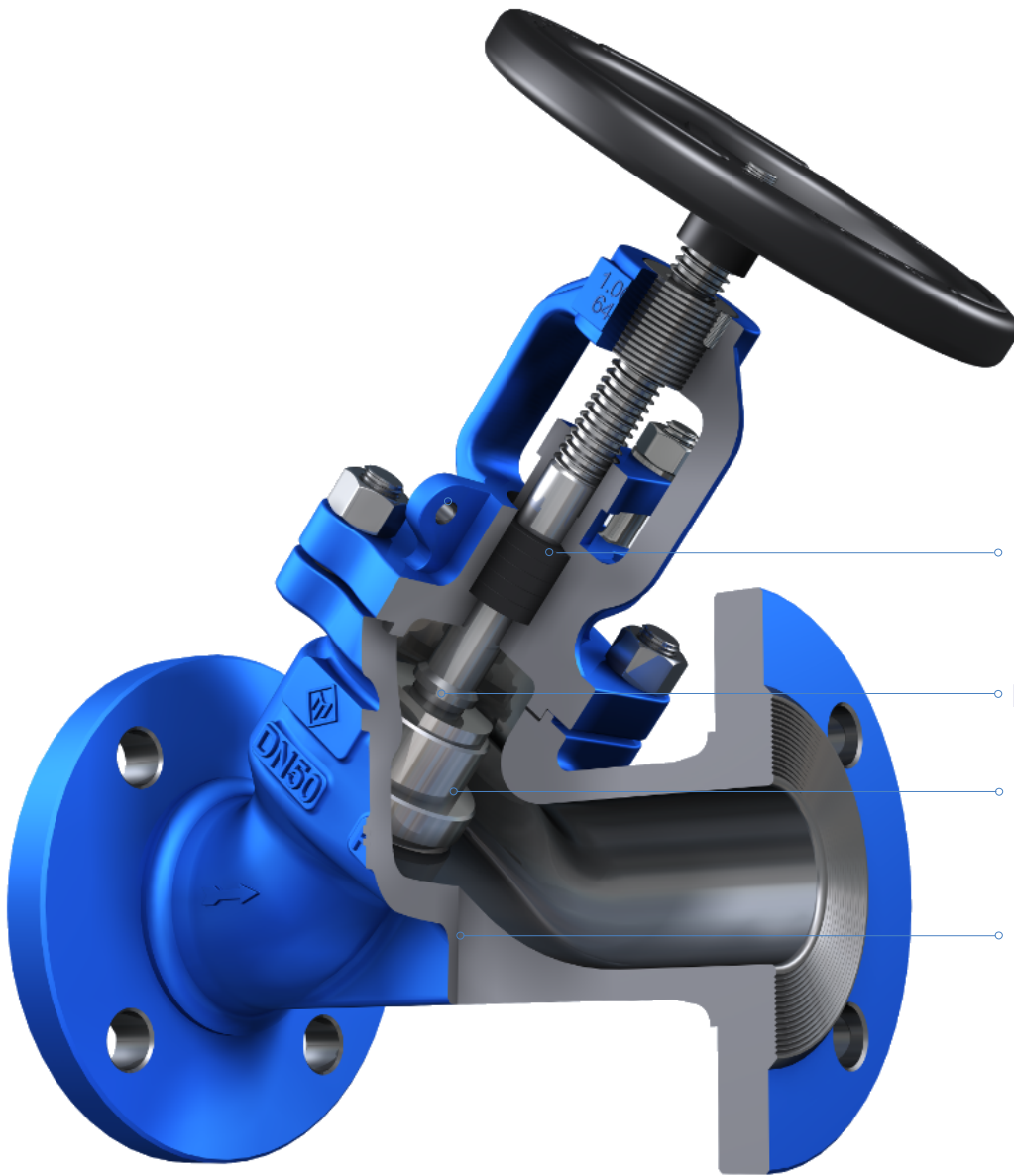
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Europe Technology Manufactur

Y Pattern  
Globe Valve



- High performace graphite packing
- Back sealed stem as atandard
- Ball bearings disc as stadnard
- Y pattern body construction



CE0036



TA-LUFT  
VDI2440



ISO15848-1



ABS

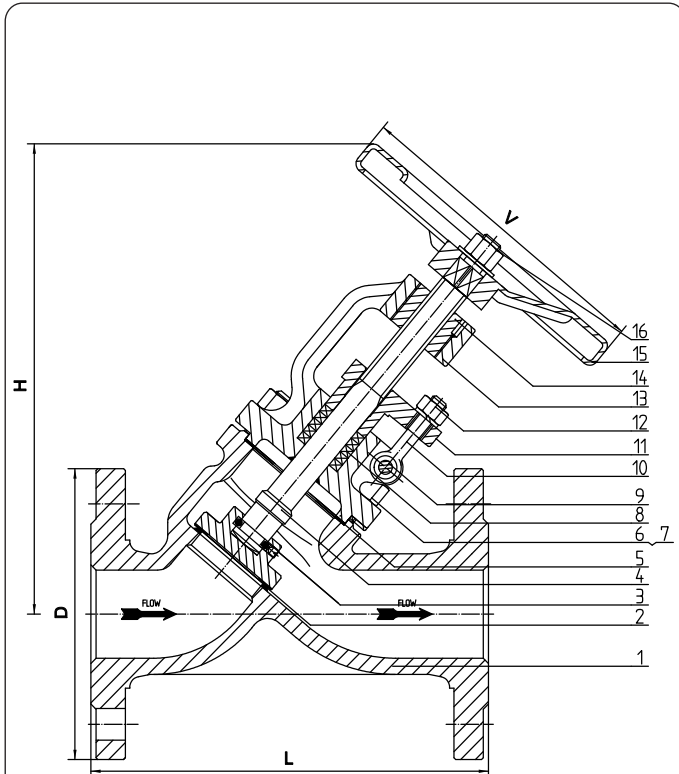


BUREAU  
VERITAS

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Maximum pressure under the disc

DN	80	100	125	150	200	250	300	350	400
Δ p bar	40	40	25	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.

*standard features*

- **Description** BOLTED BONNET  
OUTSIDE SCREW AND YOKE  
RISING STEM  
RISING HANDWHEEL  
LOOSE DISC
- **Design** 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

PART NAME	MATERIAL		
1. Body	1.0619	1.4308	1.4408
2. Seat Surface	X20Cr13 (1) Overlay	Integral SS304 (1)	Integral SS316 (1)
3. Disc Seat Surface	X20Cr13 (1) Overlay	Integral SS304	Integral SS316
4. Stem	X20Cr13 (2)	1.4301	1.4401
5. Gasket	S.S reinforced Graphite (4)	S.S reinforced Graphite (4)	S.S reinforced Graphite (4)
6. Hexagon Nut	ASTM A194 2H	ASTM A194 8	ASTM A194 8
7. Bolts	ASTM A193 B7	ASTM A193 B8	ASTM A193 B8
8. Packing	Graphite	Graphite	Graphite
9. Pin	S.S	S.S	S.S
10. Eye Bolts	ASTM A193 B7	ASTM A193 B8	ASTM A193 B8
11. Gland	EN 10213 1.0619	EN 10213 1.4308	EN 10213 1.4408
12. Hexagon Nut	ASTM A194 2H	ASTM A194 8	ASTM A194 8
13. Bonnet	EN 10213 1.0619	EN 10213 1.4308	EN 10213 1.4408
14. Yoke Nut	GGG40.3 (3)	Cu-Alloy	Cu-Alloy
15. Handwheel	Steel	Steel	Steel
16. Lock Nut	Stainless Steel	Stainless Steel	Stainless Steel

(1) On request: faced with Stellite® - Mone® - Hastelloy® - other materials

(2) On request: 17 Cr - Monel® - Hastelloy® - other materials

(3) On request: ASTM A439 Gr.D2

(4) On request: PTFE - other materials.

All data, subject to technical changes, are only for information and not for official use.





**FIG.S.071 Y-PATTERN GLOBE VALVES DIN PN16 - Face to Face F1**

SIZE	15	20	25	32	40	50	65	80	100	125	150	200
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	600
D	95	105	115	140	150	165	185	200	220	250	285	340
V	140	140	160	160	180	180	200	250	300	350	400	450
H	190	190	200	200	225	235	310	365	425	450	525	665
Stroke	10	12	16	18	20	22	24	29	34	42	52	85

**FIG.S.072 Y-PATTERN GLOBE VALVES DIN PN25 - Face to Face F1**

SIZE	15	20	25	32	40	50	65	80	100	125	150	200
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	600
D	95	105	115	140	150	165	185	200	235	270	300	360
V	140	140	160	160	180	180	200	250	300	350	400	450
H	190	190	200	200	225	235	310	365	425	450	525	665
Stroke	10	12	16	18	20	22	24	29	34	42	52	85

**FIG.S.073 Y-PATTERN GLOBE VALVES DIN PN40 - Face to Face F1**

SIZE	15	20	25	32	40	50	65	80	100	125	150	200
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	600
D	95	105	115	140	150	165	185	200	235	270	300	375
V	140	140	160	160	180	180	200	250	300	350	400	450
H	190	190	200	200	225	235	310	365	425	450	525	665
Stroke	10	12	16	18	20	22	24	29	34	42	52	85

**Pressure-Temperature Classification Acc. to EN 1092-1**

PN	Material	Pressure-Temperature Ratings								
		100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C	500°C
PN16	1.0619	14.8 Bar	14.0 Bar	13.3 Bar	12.1 Bar	11.0 Bar	10.2 Bar	9.5 Bar	-	-
PN25		23.2 Bar	22.0 Bar	20.8 Bar	19.0 Bar	17.2 Bar	16.0 Bar	14.8 Bar	-	-
PN40		37.1 Bar	35.2 Bar	33.3 Bar	30.4 Bar	27.6 Bar	25.7 Bar	23.8 Bar	-	-
PN16	1.4308	14.5 Bar	13.1 Bar	11.9 Bar	11.0 Bar	10.2 Bar	9.8 Bar	9.5 Bar	9.3 Bar	9.1 Bar
PN25		22.7 Bar	20.4 Bar	18.6 Bar	17.2 Bar	16.0 Bar	15.3 Bar	14.8 Bar	14.5 Bar	14.2 Bar
PN40		32.7 Bar	32.7 Bar	29.9 Bar	27.6 Bar	25.7 Bar	24.5 Bar	23.8 Bar	23.3 Bar	22.8 Bar
PN16	1.4408	16.0 Bar	14.5 Bar	13.4 Bar	12.7 Bar	11.8 Bar	11.4 Bar	10.9 Bar	10.7 Bar	10.5 Bar
PN25		25.0 Bar	22.7 Bar	21.0 Bar	19.8 Bar	18.5 Bar	17.8 Bar	17.1 Bar	16.8 Bar	16.5 Bar
PN40		40.0 Bar	36.3 Bar	33.7 Bar	31.8 Bar	29.7 Bar	28.5 Bar	27.4 Bar	26.9 Bar	26.4 Bar

Note the temperature not listed in the table is selected by linear interpolation method.

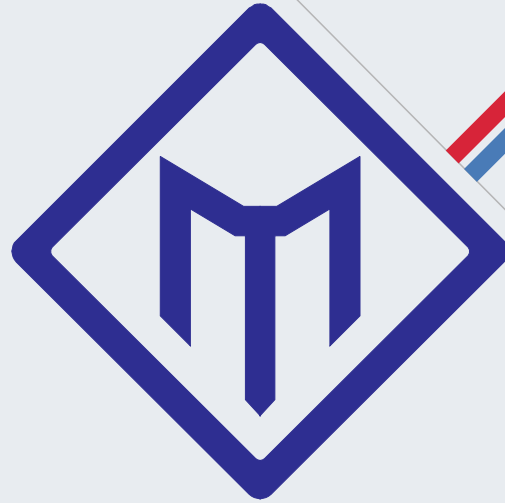
*features on request*

- 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

All dimensions in mm (except where differently indicated)

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