

STAINLESS STEEL GLOBE VALVE WITH BELLOW PN16/40 ICP DIN 3202-1 F1

Stainless steel globe valve with bellow flanged PN16/40 for closing or setting network of corrosives fluids, steam, hydrocarbons and thermic fluid.

Stainless steel bellow and PTFE gasket.

Anti-turn device to avoid the risk of torsion of bellows.

Conical disc and seat for a better setting or progressive opening/closing.

Bolted bonnet and packing for an easy maintenance.

Compatible with explosive atmosphere, ATEX Zone 1&21 and Zone 2&22.

Certificate

3.1



Size : DN15 to DN100

Connection : Flanges R.F. PN16/40

Min Temperature : -50°C

Max Temperature : +400°C

Max Pressure : 40 Bars up to DN50, 16 Bars over

Specifications : Non rising stem
Stainless steel bellow
Bolted bonnet
Bolted packing

Materials : Stainless steel EN 1.4408

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SPECIFICATIONS :

- Respect the flow direction indicated by the arrow
- Non rising stem
- Bolted bonnet and gland pack
- Stainless steel bellow
- Conical seat and disc
- Anti-turn device to avoid the risk of torsion of bellows
- Flanges R.F. PN16/40

USE:

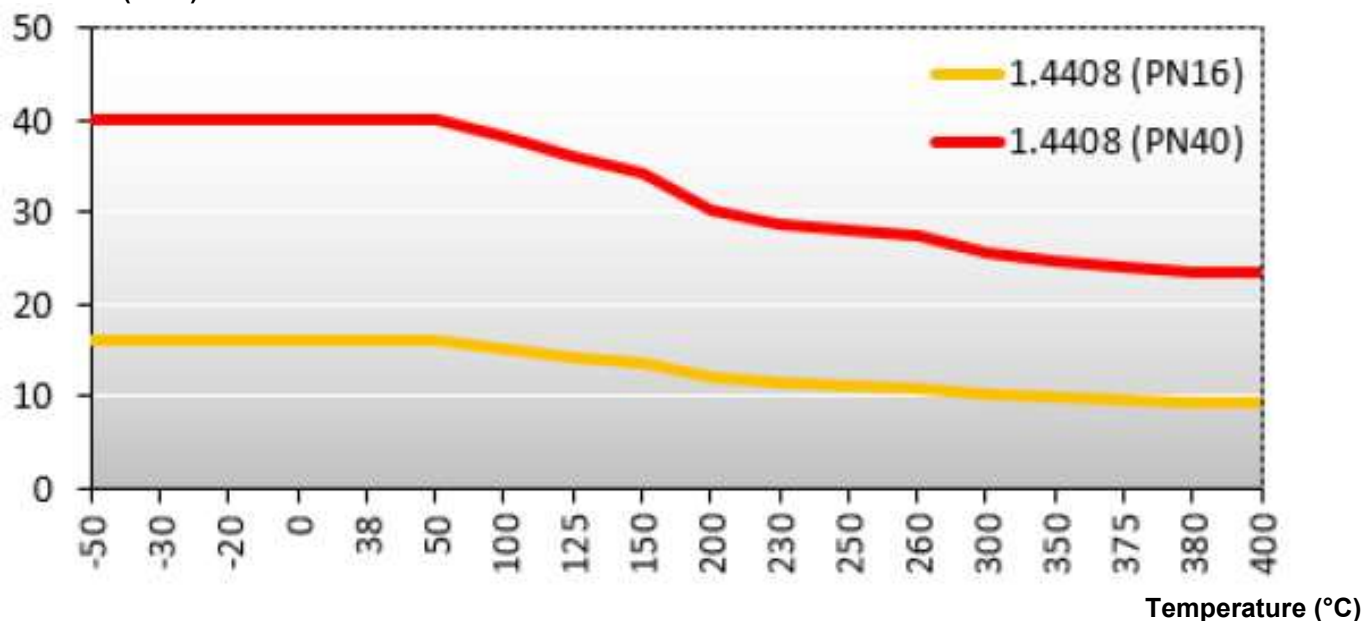
- Corrosive fluids, steam, hydrocarbons, thermic fluid
- Min and max Temperature Ts : - 50°C to + 400°C
- Max Pressure Ps : 40 bars up to DN50, 16 bars over (see graph under)
- Keep greased the stem

FLOW COEFFICIENT Kvs (M3 / h) :

DN	15	20	25	32	40	50	65	80	100
Kvs (m3/h)	3.8	7	10	19	35	43	60	110	146

PRESSURE / TEMPERATURE GRAPH :

Pressure (Bar)



RANGE :

- Stainless steel globe valve with stainless steel bellow flanged R.F. PN16/40 from DN 15 to DN 50
- Stainless steel globe valve with stainless steel bellow flanged R.F. PN10/16 from DN 65 to DN 100

NUMBER OF TURNS FOR OPENING OR CLOSING :

DN	15	20	25	32	40	50	65	80	100
Number of turns	3.9	4.5	7.4	7.4	7.7	7.7	13.2	13.9	14.8

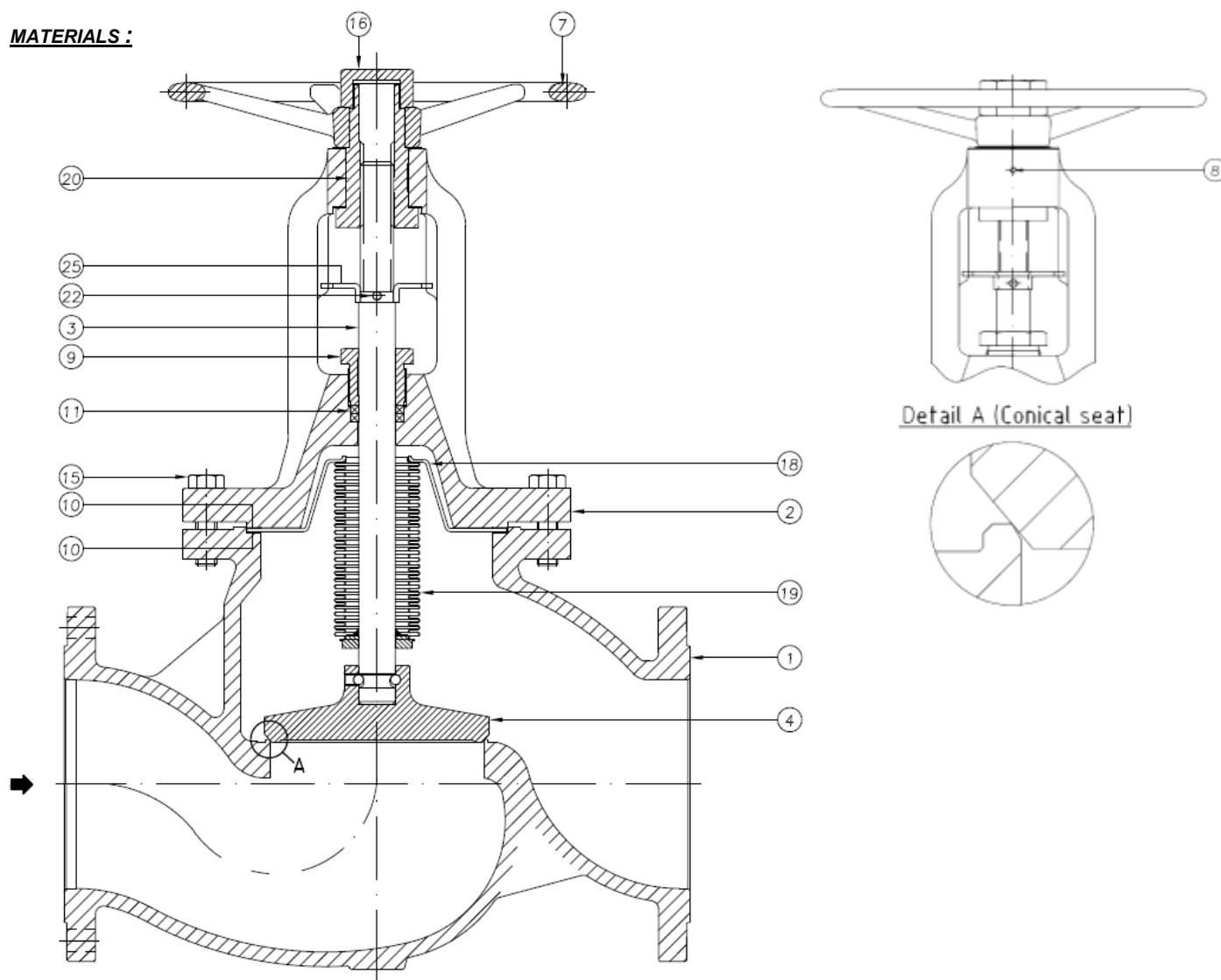
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Rev.03

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MATERIALS :

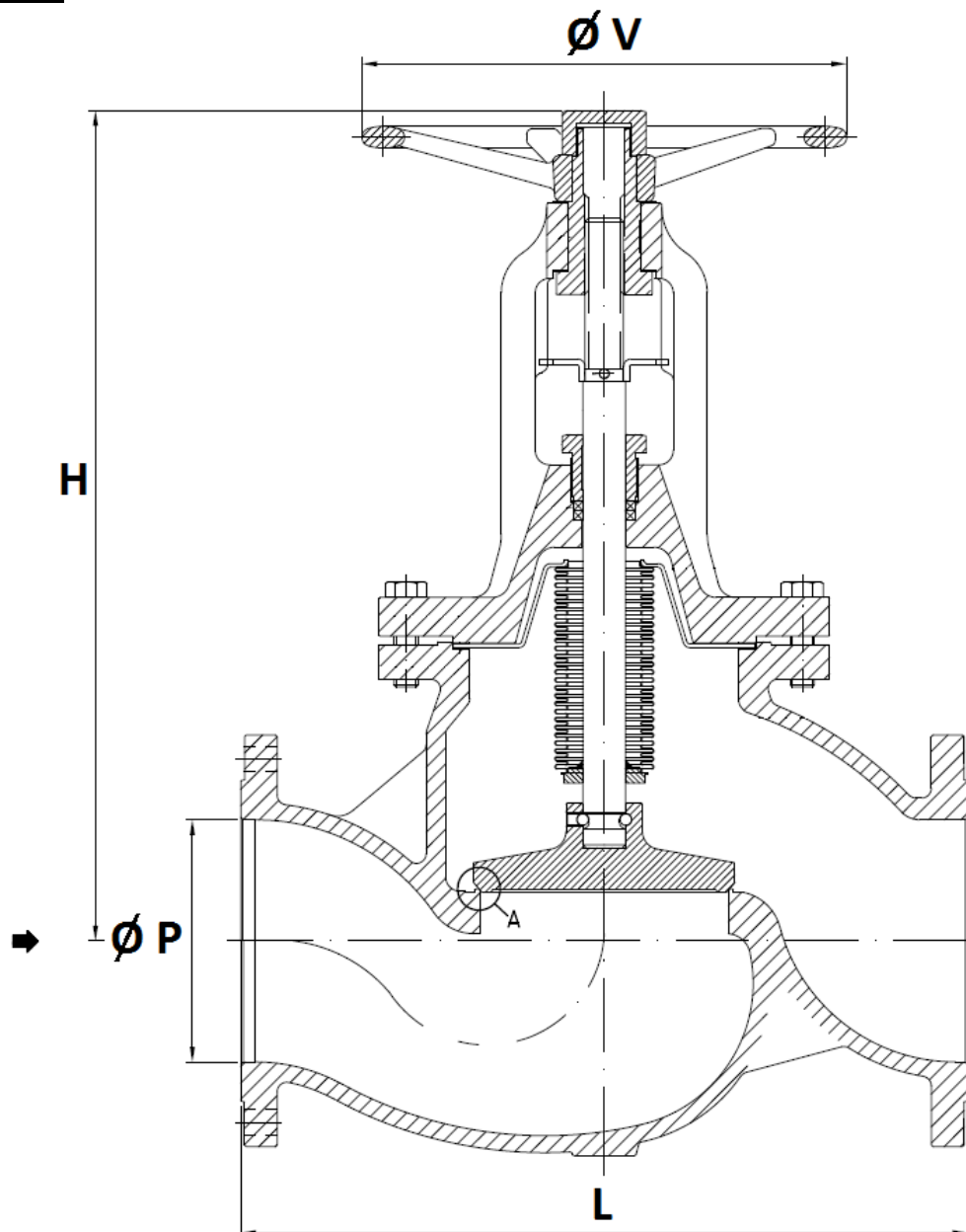


Item	Designation	Materials
1	Body	EN 1.4408
2	Bonnet	
3	Stem	EN 1.4401
4	Disc	
7	Handwheel	ASTM A216 WCB
8	Grease nipp.	Steel
9	Gland nut	EN 1.4401
10	Gasket	Graphite+ stainless steel
11	Packing	Graphite

Item	Designation	Materials
15	Screw	A4-70
16	Handwheel nut	EN 1.4401
18	Hood	
19	Bellow	
20	Threaded bushing	X20 Cr13 + HT65
22	Pin	Steel
25	Anti turn device	EN 1.4401

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SIZE (in mm) :



DN	15	20	25	32	40	50	65	80	100
L	130	150	160	180	200	230	290	310	350
Ø P	15	20	25	32	40	50	65	80	100
H	190	195	220	219	256	265	328	341	376
Ø V	120	120	140	140	180	180	200	200	250
Weight (Kg)	3.7	4.8	6.8	7.8	13	15.5	21	26.4	40
Ref.	472015	472020	472025	472032	472040	472050	472065	472080	472100

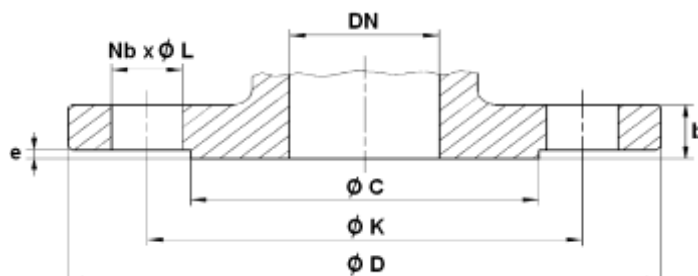
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FLANGES SIZE (in mm) :



DN	15	20	25	32	40	50	65	80	100
Ø C	45	58	68	78	88	102	122	138	158
Ø D	95	105	115	140	150	165	185	200	220
Ø K	65	75	85	100	110	125	145	160	180
Nb x Ø L	4 x 14	4 x 14	4 x 14	4 x 18	4 x 18	4 x 18	4 x 18	8 x 18	8 x 18
b	16	18	18	18	18	18	18	20	20
e	2	2	2	2	3	3	3	3	3

STANDARDS :

- Manufacturer certified ISO 9001 :2015
- DIRECTIVE 2014/68/EU : For liquids and gas of Group 1
 - DN15-25 : Article 4, §3 (SEP), no CE marking
 - DN32-100 : Risk Category II, CE1035 or CE0035 marking
- Certificate 3.1 on request
- Designing according to DIN 3840
- Marking according to EN 19
- Pressure Tests according to EN 12266-1, Rate A
- Length according to EN 558 series 1 (DIN 3202-1 F1)
- Flanges R.F. according to EN 1092-1 PN16/40
- ATEX Group II Category 2 G/2Dc Zone 1 & 21 Zone 2 & 22 (optional marking) according to directive 2014/34/EU

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