REF. 4753

CARBON STEEL GLOBE VALVE WITH BELLOW CPCU PN40 ICP DIN 3202-1 F1

Carbon steel globe valve with bellow flanged PN40 CPCU for no corrosive fluids, steam, hydrocarbons and thermic fluid.
Stainless steel bellow and stainless steel + graphite gasket.
Flanged CPCU : type E spigot and F Recess.
Anti-turn device to avoid the risk of torsion of bellows.
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 :	Flanged PN40 Type E and F
Min Temperature :	-29°C
Max Temperature :	+400°C
Max Pressure :	40 bars
Specifications :	Non rising stem Stainless steel bellow Bolted bonnet and packing
Materials :	Carbon steel EN 1.0619

Sferaco 90 rue du Ruisseau 38297 St Quentin Fallavier Tel: + 33 (0) 474.94.15.90 Fax: + 33 (0) 474.95.62.08 Internet: www.sferaco.com E-mail : info@sferaco.fr

Information provided as an indication and subject to possible modification

CARBON STEEL GLOBE VALVE WITH BELLOW CPCU PN40 ICP DIN 3202-1 F1

SPECIFICATIONS :

- Respect the flow direction indicated by the arrow
- Non rising stem
- Bolted bonnet and gland pack
- Stainless steel bellow
- Pressed seat in the body
- Anti-turn device to avoid the risk of torsion of bellows
- Flanges PN40 CPCU
- RAL 5002 blue painting, 40µ thickness

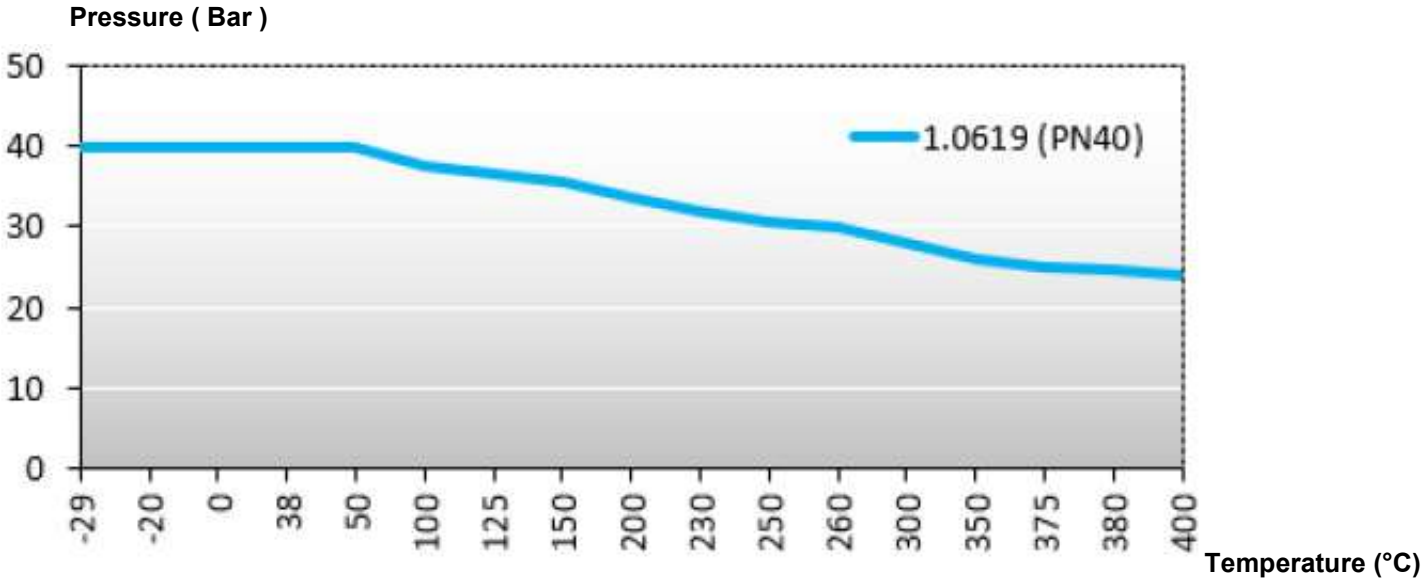
USE:

- No corrosive or no toxic fluids, steam, hydrocarbons, thermic fluid
- Min and max Temperature Ts : - 29°C to + 400°C
- Max Pressure Ps : 40 bars (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 :

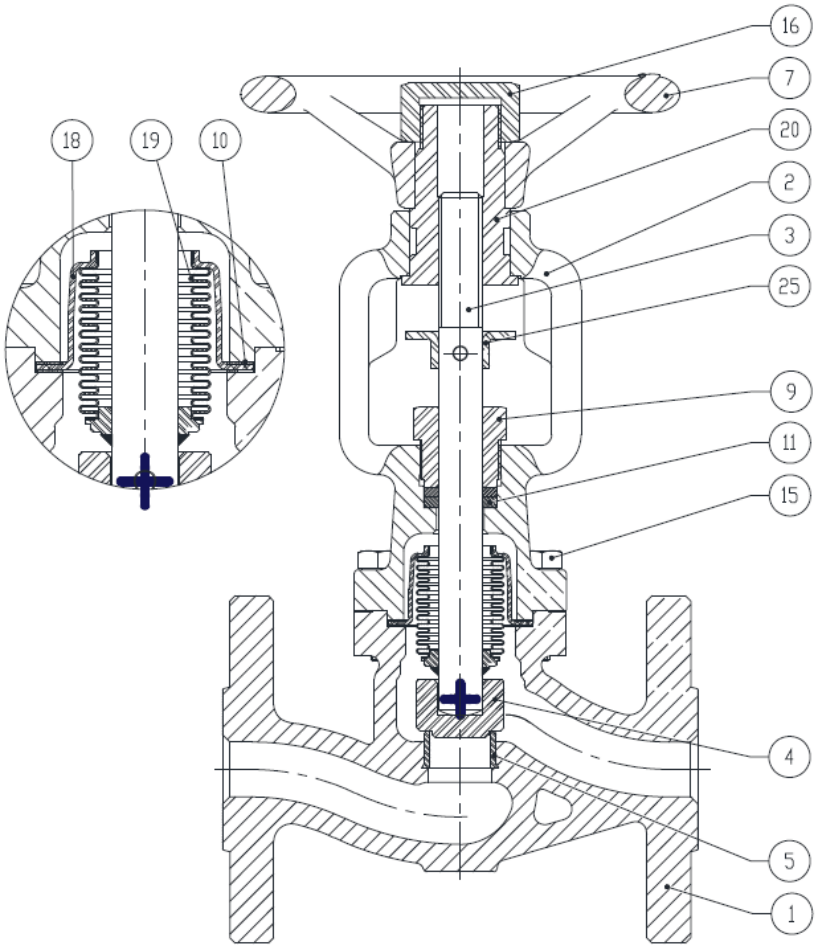


RANGE :

- Carbon steel globe valve with stainless steel bellow flanged PN40 CPCU type E spigot/ F Recess from DN 15 to DN 100 **Ref. 4753**

CARBON STEEL GLOBE VALVE WITH BELLOW CPCU PN40 ICP DIN 3202-1 F1

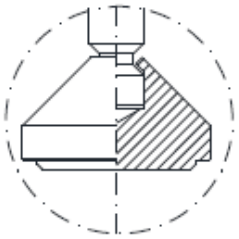
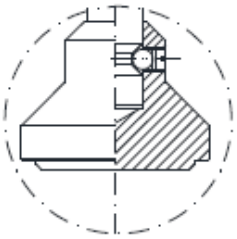
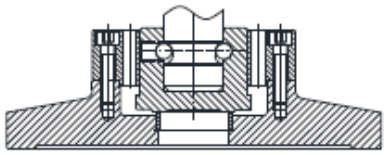
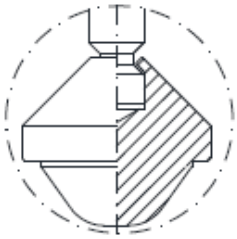
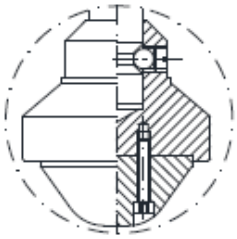
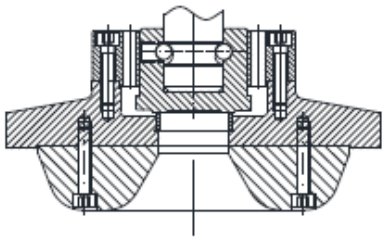
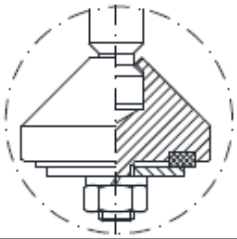
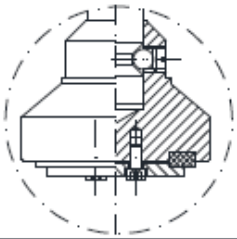
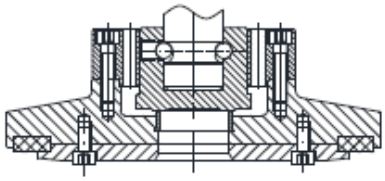
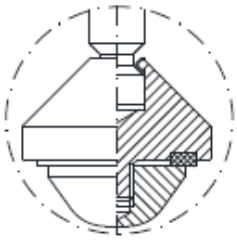
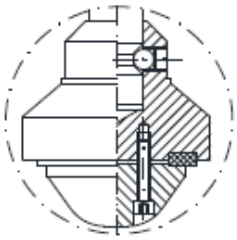
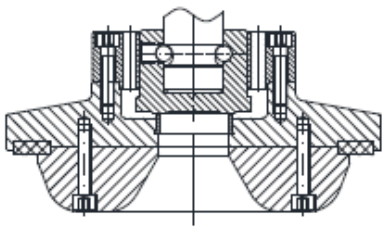
MATERIALS :



Item	Designation	Materials
1	Body	EN 1.0619
2	Bonnet	
3	Stem	AISI 304 (1.4301)
4	Disc	420 (X20 Cr13)
5	Seat	X4 CrNi 13 4 (CA6NM)
7	Handwheel	ASTM A216 WCB
9	Gland	Steel 1.1191 + ZP
10	Gasket	Graphite
11	Packing	
15	Screw	A193 B7M
16	Handwheel nut	Steel 1.1191 + ZP
18	Hood	AISI 304 (1.4301)
19	Bellow	
20	Threaded bushing	Steel 1.1191 +HT65+ ENP
25	Anti turn device	Steel S235 JR+ZP
	Lubricator	Brass

CARBON STEEL GLOBE VALVE WITH BELLOW CPCU PN40 ICP DIN 3202-1 F1

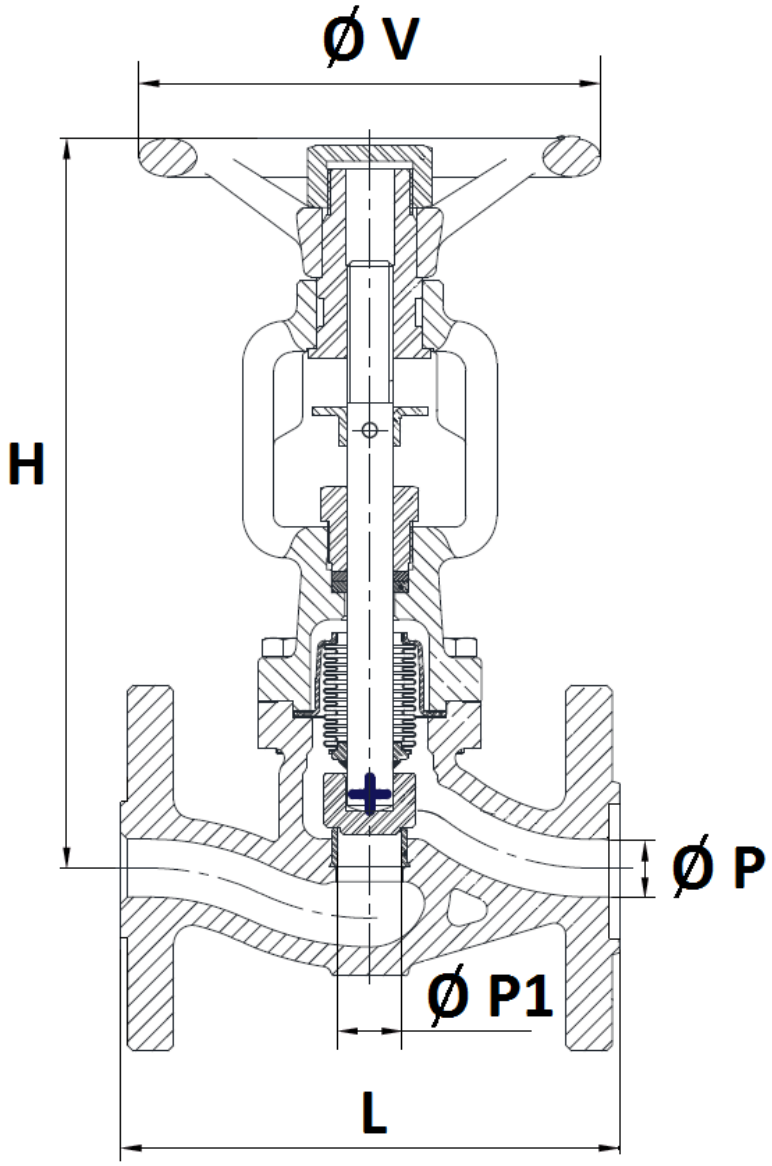
DISC OPTIONS :

DN 15-65	DN 80-150	DN 200
STANDARD DISC		
		
OPTION A : THROTTLING PLUG*		
		
OPTION B : DISC WITH SOFT SEAT*		
		
OPTION C : THROTTLING PLUG + SOFT SEAT*		
		

*** :ON REQUEST**

CARBON STEEL GLOBE VALVE WITH BELLOW CPCU PN40 ICP DIN 3202-1 F1

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
Ø P1	16.5	20.5	25.2	30	40.8	50.5	66	81	104.5
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	23	28	43
Ref.	475315	475320	475325	475332	475340	475350	475365	475380	475397

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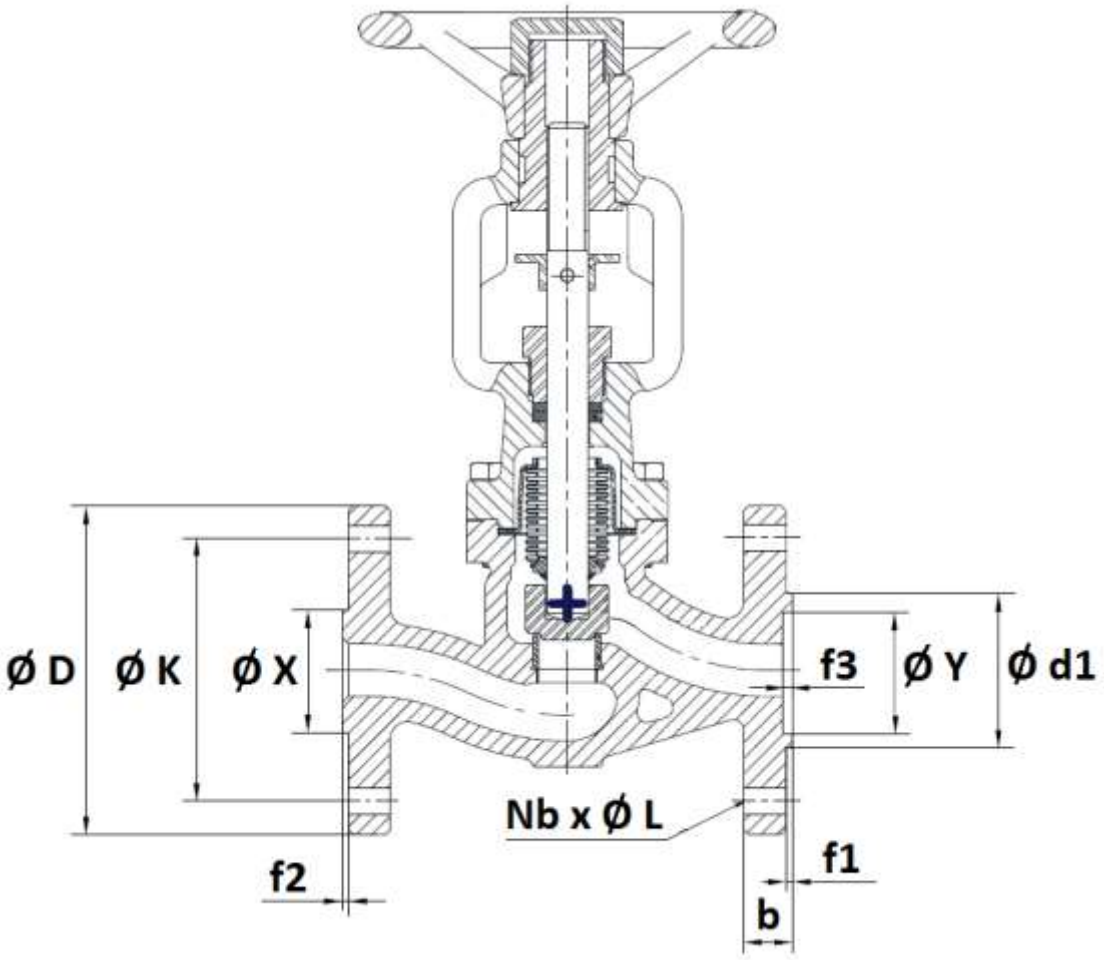
SIZE CPCU FLANGES TYPE E and F (in mm) :



DN	15	20	25	32	40	50	65	80	100
Ø X	39	50	57	65	75	87	109	120	149
Ø D	95	105	115	140	150	165	185	200	235
Ø K	65	75	85	100	110	125	145	160	190
Nb x Ø L	4 x 14	4 x 14	4 x 14	4 x 18	4 x 18	4 x 18	8 x 18	8 x 18	8 x 22
Ø Y	40	51	58	66	76	88	110	121	150
Ø d1	45	58	68	78	88	102	122	138	162
b	16	18	18	18	18	20	22	24	24
f1	2	2	2	2	3	3	3	3	3
f2	4.5								5
f3	4								4.5

Information provided as an indication and subject to possible modification

CARBON STEEL GLOBE VALVE WITH BELLOW CPCU PN40 ICP DIN 3202-1 F1

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 Type E and Type F according to EN 1092-1 PN40
- 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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The customer must check the right choice of the products with the real service conditions.