REF. 475

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

Carbon steel globe valve with bellow flanged PN40 for no corrosive fluids, steam, hydrocarbons and thermic fluid.
Stainless steel bellow and stainless steel + graphite gasket.
Anti-turn device to avoid the risk of torsion of bellows.
Pressure equalizing plug in DN200
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 DN200
Connection :	Flanged PN40 RF
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 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
- Pressure equalizing plug in DN200
- Pressed seat in the body
- Anti-turn device to avoid the risk of torsion of bellows
- Flanges R.F. PN40
- RAL 5002 blue painting, 40µ thickness

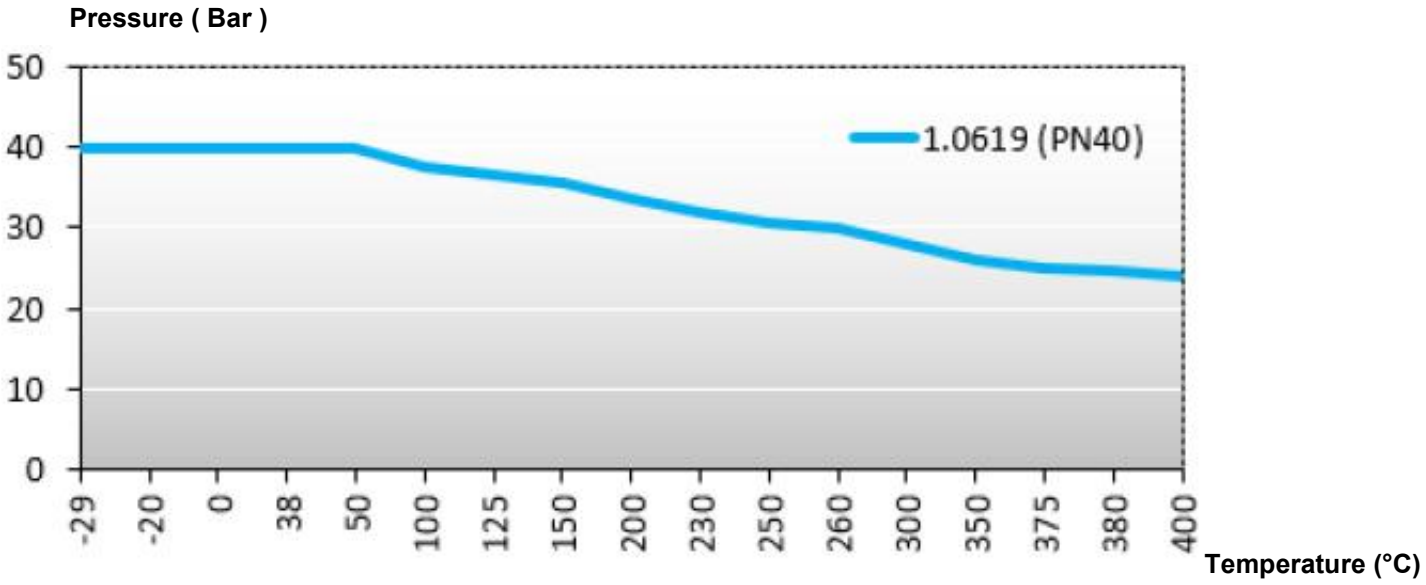
USE:

- 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)
- Δp 20 bars max for DN125, 15 bars max for DN150, 19 bars max for DN200
- Keep greased the stem

FLOW COEFFICIENT Kvs (M3 / h) :

DN	15	20	25	32	40	50	65	80	100	125	150	200
Kvs (m3/h)	3.8	7	10	19	35	43	60	110	146	210	300	670

PRESSURE / TEMPERATURE GRAPH :

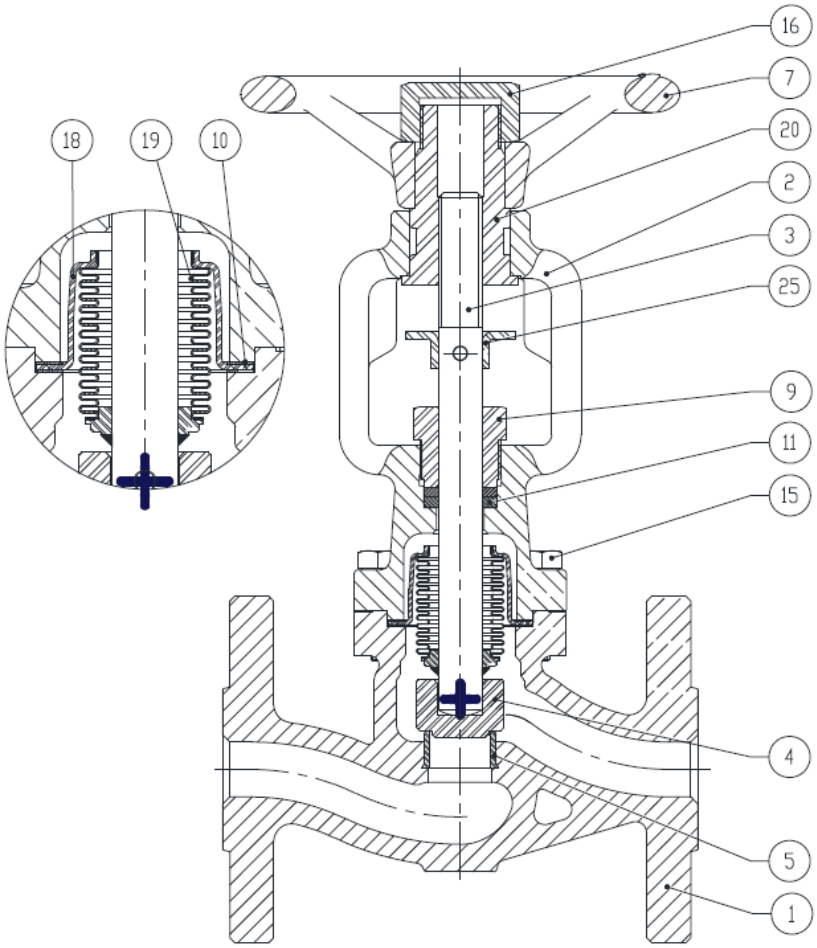


RANGE :

- Carbon steel globe valve with stainless steel bellow flanged R.F. PN40 from DN 15 to DN 200 **Ref. 475**

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

MATERIALS DN15-150 :

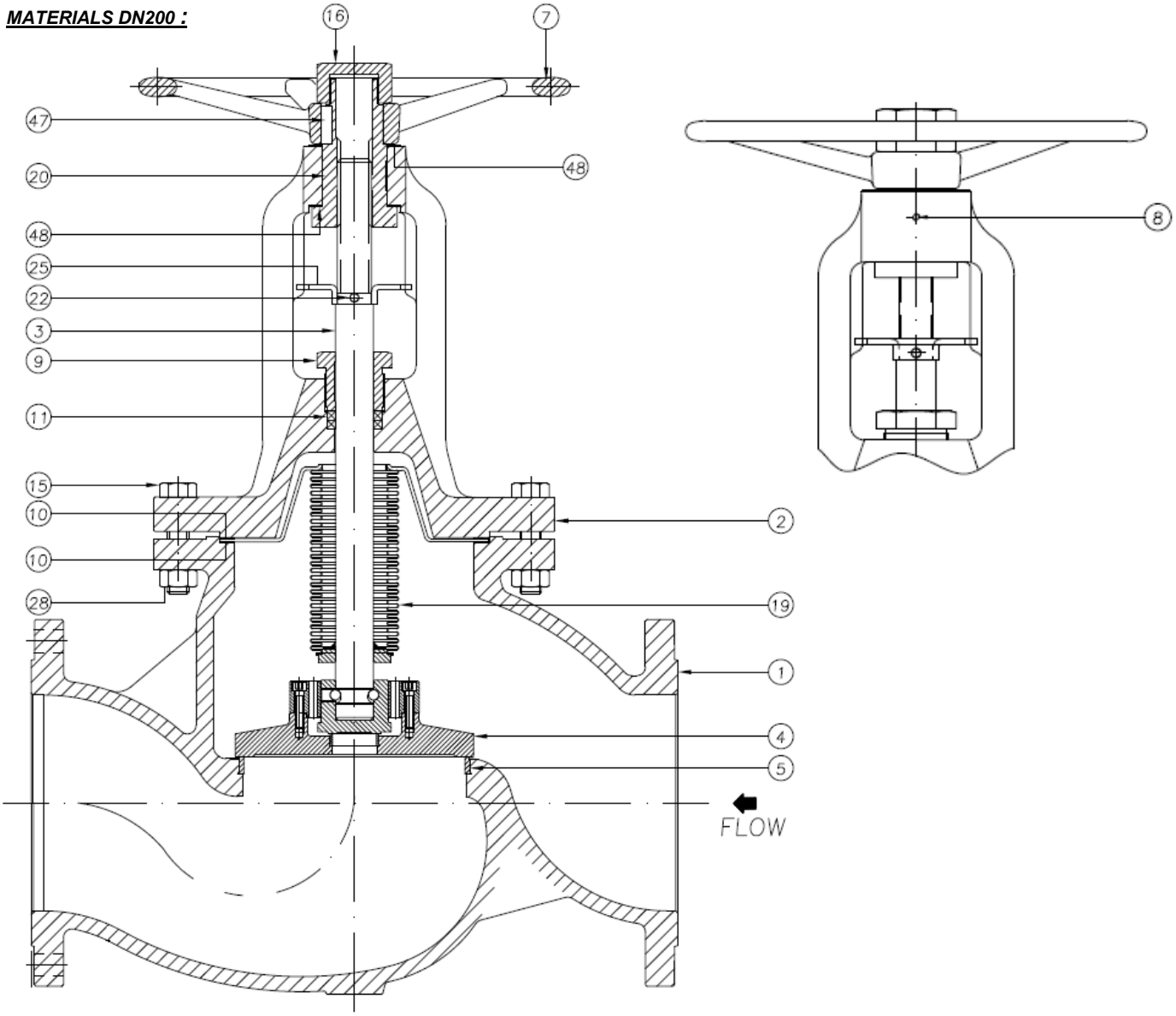


Item	Designation	Materials
1	Body	EN 1.0619
2	Bonnet	
3	Stem	AISI 304 (1.4301)
4	Disc	AISI 420 (X20 Cr13)
5	Seat	X4 CrNi 13 4 (CA6NM)
7	Handwheel	ASTM A216 WCB
9	Gland	Steel 1.1191 + ZP
10	Gasket	Graphite
11	Packing	
15	Screw	A193 B7M
16	Handwheel nut	Steel 1.1191 + ZP
18	Hood	AISI 304 (1.4301)
19	Bellow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

Information provided as an indication and subject to possible modification

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

MATERIALS DN200 :



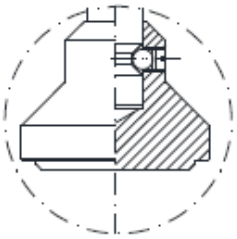
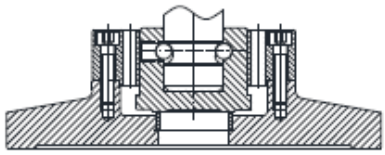
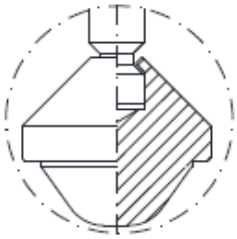
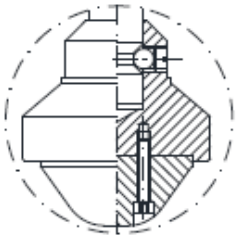
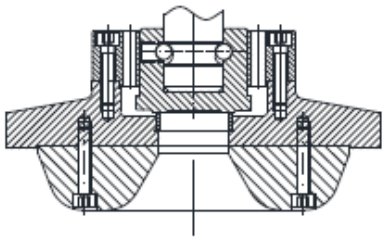
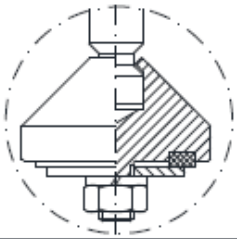
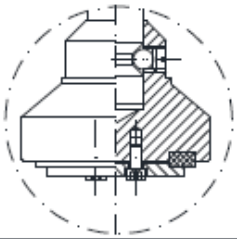
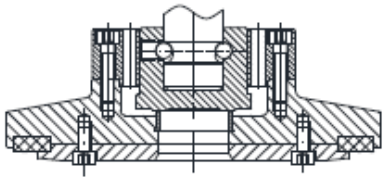
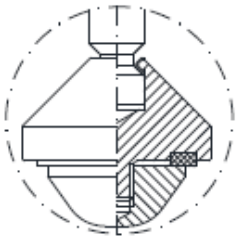
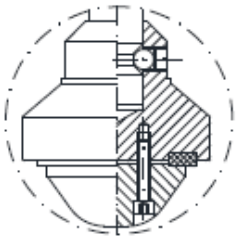
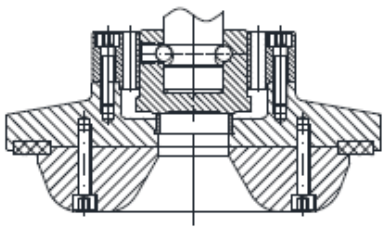
Item	Designation	Materials
1	Body	EN 1.0619
2	Bonnet	
3	Stem	AISI 304 (1.4301)
4	Disc	AISI 420 (X20 Cr13)
5	Seat	X4 CrNi 13 4 (CA6NM)
7	Handwheel	ASTM A216 WCB
8	Grease nipp.	Steel
9	Gland nut	Steel 1.1191 + ZP
10	Gasket	Graphite

Item	Designation	Materials
11	Packing	Graphite
15	Screw	A193 B7M
16	Handwheel nut	EN 10087
19	Bellow	AISI 304 (1.4301)
20	Threaded bushing	EN 10087
22	Pin	Steel
25	Anti turn device	EN 10025
28	Nut	A194 2HM
47	Key	Steel
48	Washer	Steel

Information provided as an indication and subject to possible modification

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

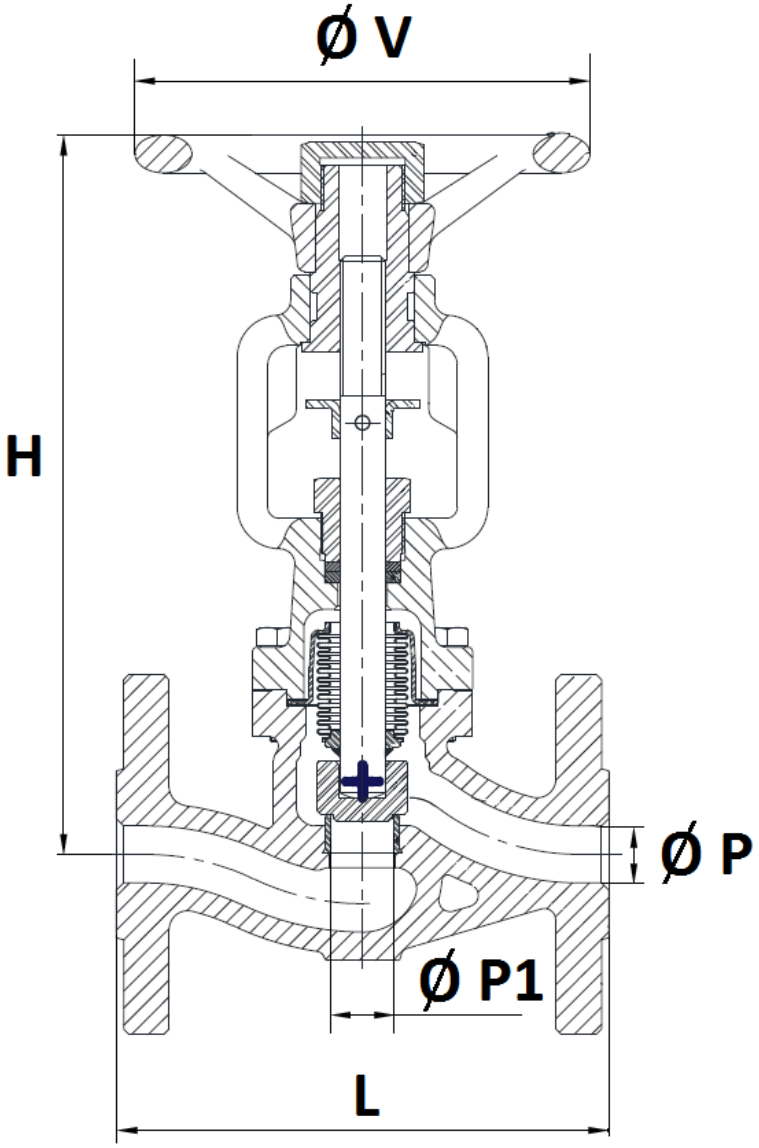
DISC OPTIONS :

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 PN40 ICP DIN 3202-1 F1

SIZE (in mm) :



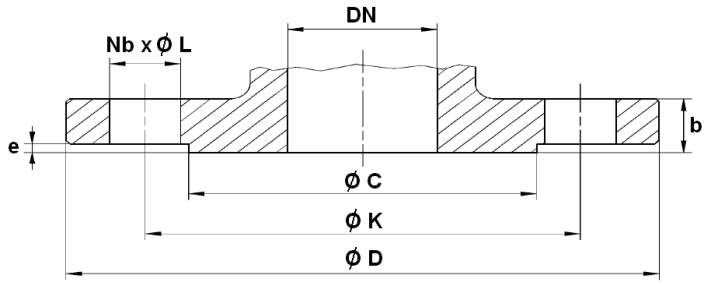
DN	15	20	25	32	40	50	65	80	100	125	150	200
L	130	150	160	180	200	230	290	310	350	400	480	600
Ø P	15	20	25	32	40	50	65	80	100	125	150	200
Ø P1	16.5	20.5	25.2	30	40.8	50.5	66	81	104.5	126	150.5	205
H	190	195	220	219	256	265	328	341	376	505	548	685
Ø V	120		140		180		200		250	400		
Weight (Kg)	3.7	4.8	6.8	7.8	13	15.5	23	28	43	68	100	202
Ref.	475015	475020	475025	475032	475040	475050	475065	475080	475100	475125	475150	475200

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 PN40 ICP DIN 3202-1 F1

FLANGES SIZE (in mm) :



DN	15	20	25	32	40	50	65	80	100	125	150	200
Ø C	45	58	68	78	88	102	122	138	162	188	218	285
Ø D	95	105	115	140	150	165	185	200	235	270	300	375
Ø K	65	75	85	100	110	125	145	160	190	220	250	320
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	8 x 26	8 x 26	12 x 30
b	16	18	18	18	18	20	22	24	24	26	28	34
e	2	2	2	2	3	3	3	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
  - DN125-200 : Risk Category III, 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 PN40
- ATEX Group II Category 2 G/2Dc Zone 1 & 21 Zone 2 &22 (optional marking) according to directive 2014/34/EU

ADVICE : Our opinion and our advice are not guaranteed and SFERACO shall not be liable for the consequences of damages.
The customer must check the right choice of the products with the real service conditions.