

2 PIECES FORGED CARBON STEEL BALL VALVE CLASS 800

2 pieces ball valve 800lbs forged carbon steel with full bore for Chemical and Pharmaceutical industries, petrochemical industries, hydraulic installation, heating and compressed air.

Ball valve with fire safe certificate BS 67755-2 to reduce risks in case of fire.

PTFE filled with 25% Carbon seat, packing and body gasket.

Compatible with explosive atmosphere, ATEX Zone 1&21 and Zone 2&22 thanks to the double antistatic device.

Handling possible with locking device, stainless steel handle or oval hand wheel.



NACE
MR01-75

Certificate
3.1



PED 2014/68/UE



Size : DN1/4" to DN2"

Connection : Threaded female BSP or NPT

Min Temperature : -20°C

Max Temperature : +180°C

Max Pressure : 136 Bars (Class 800)

Specifications : Anti blow-out stem, ATEX

Fire safe BS 6755-2

Antistatice device

Full bore

Materials : Forged Carbon Steel ASTM A105N or A350 LF2

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SPECIFICATIONS :

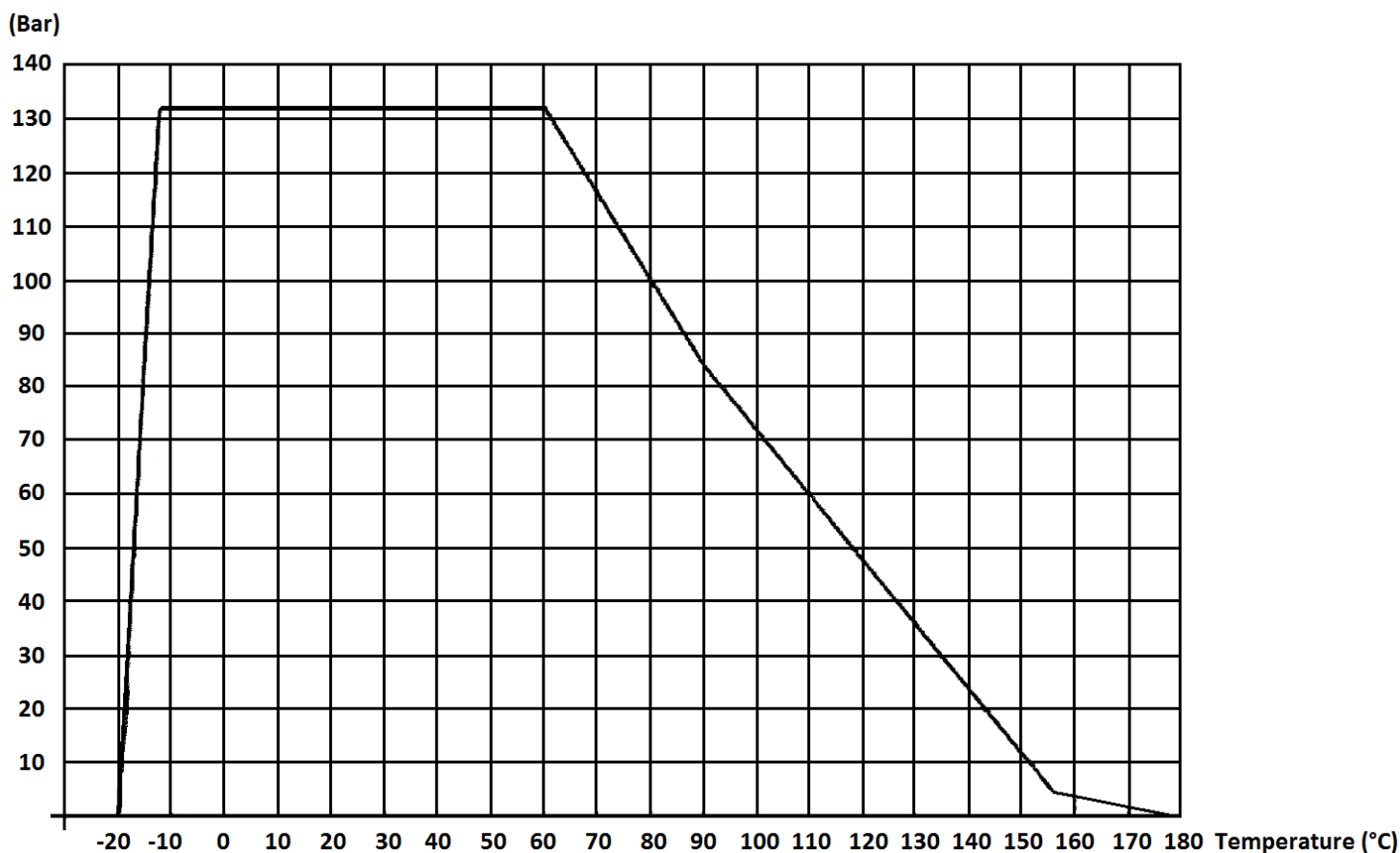
- Full bore
- Anti blow-out stem
- Class 800
- Fire safe according to BS 6755 part.2
- ATEX
- Antistatic device
- 2 pieces type
- NACE MR01-75
- Roughness Ra 0.4 for the ball, Ra 1.6 for the ends

USE :

- Chemical and pharmaceutical industries, petrochemical industries, hydraulic installation, compressed air
- Min and max Temperature Ts : - 20°C to + 180°C
- Max Pressure Ps : 136 bars
- Steam : 5 bars maximum

PRESSURE / TEMPERATURE GRAPH :

PRESSURE



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TORQUES VALUES (in Nm without safety coefficient) :

DN (mm)	8	10	15	20	25	32	40	50
NPS (")	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Torque (Nm)	12	12	12	12	25	64	78	103

RANGE :



- Ball valve Class 800 forged carbon steel body ASTM A105N or A350 LF2 **Ref. 717** DN 1/4" to DN 2"



- Stainless steel AISI 304 Handle with red cover

DN (mm)	8-10	15	20-25	32-40	50
NPS (")	1/4" - 3/8"	1/2"	3/4" - 1"	1 1/4" - 1 1/2"	2"
Ref.	9830320	9830316	9830317	9830318	9830321



- Ball valve class 800 forged carbon steel A105N or A350 LF2 with locking device **Ref. 717L** DN 1/4" - 2"

DN (mm)	8	10	15	20	25	32	40	50
Ref. BSP	717L002	717L003	717L004	717L005	717L006	717L007	717L008	717L009
Ref. NPT	717L102	717L103	717L104	717L105	717L106	717L107	717L108	717L109



- Galvanized steel handwheel

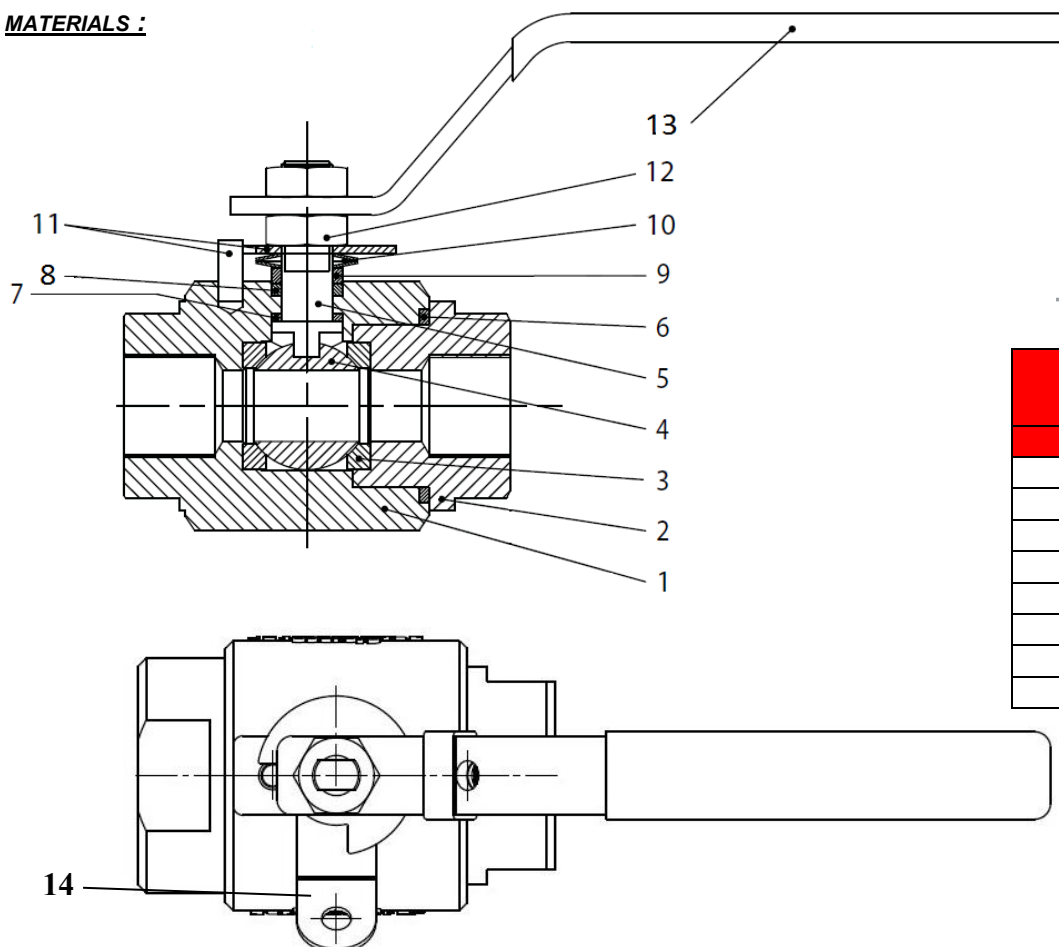
DN (mm)	8-10	15	20-25	32-40	50
NPS (")	1/4" - 3/8"	1/2"	3/4" - 1"	1 1/4" - 1 1/2"	2"
Ref.	9830571	9830572	9830573	9830574	

CONNECTION :

- Female / female threaded cylindrical BSP **Ref. 717 or 717L0**
- Female / female threaded NPT **Ref. 7171 or 717L1**

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MATERIALS :



Repairability :



*Gaskets kit (Items 3, 6, 7 and 8)

DN	Ref.
DN1/4"	9804361
DN3/8"	9804362
DN1/2"	9804363
DN3/4"	9804364
DN1"	9804365
DN1"1/4"	9804366
DN1"1/2"	9804367
DN2"	9804368

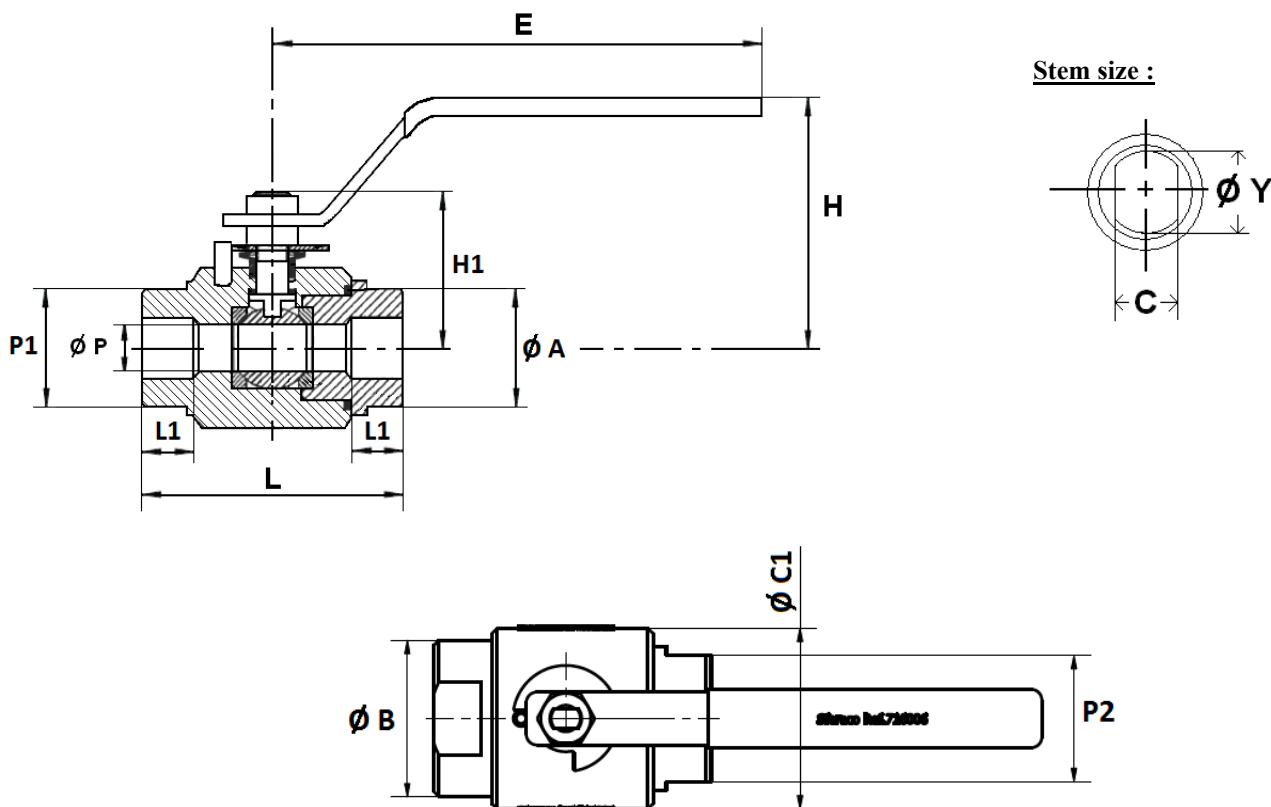
*included in gaskets kit

Item	Designation	Materials
1	Body	ASTM A105N or A350 LF2
2	Ends	
3*	Seat	PTFE filled with 25% carbon
4	Ball	ASTM A479 316/316L
5	Stem	
6*	Body gasket	PTFE filled with 25% carbon
7*	Thrust washer	
8*	Packing	
9	Packing gland	ASTM A105N
10	Disc springs	Galvanized steel
11	Stop	
12	Nut	
13	Handle	
14+	Locking device	

+for 717L types only

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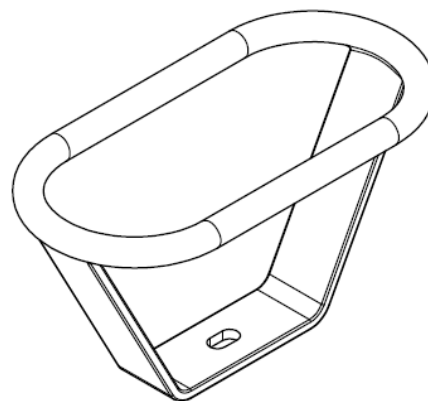
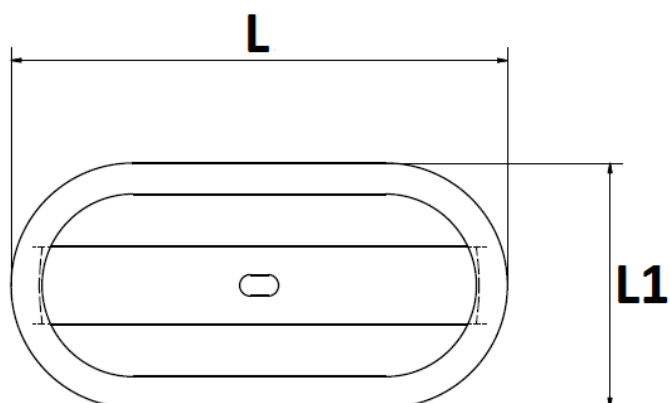
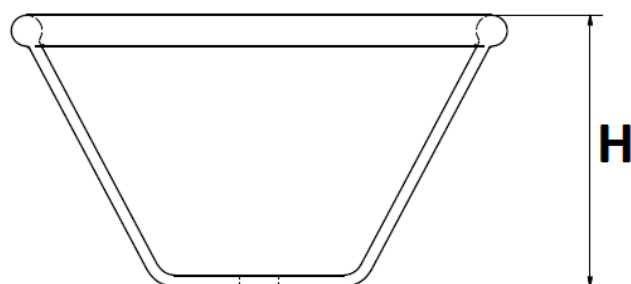
SIZE (in mm) :



DN (mm)	8	10	15	20	25	32	40	50
NPS (")	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Ø P	10	10	15	20	25	30	38	48
L	67	67	75	90	105	120	135	155
L1	15	15	19	22	23	27	30	32
E	148	148	148	180	180	240	240	280
H	72	72	75	85	95	100	105	115
H1	41	41	45	57	61	74	80.5	91
P1 (on flat)	30	30	37.5	44.5	52	61.5	71.5	82
P2 (on flat)	29	29	36	45	47.5	57.5	71.5	81.5
Ø A	34.5	34.5	42	51	54.5	64.5	79.5	89.5
Ø B	34.5	34.5	42	51	59	70	80	90
Ø C1	42	42	50	60	68	80	93	104
C	5	5	5.5	7.5	7.5	9	9	9
Ø Y	8	8	10	12	12	14	14	14
Weight (in Kg)	0.6	0.6	0.8	1.5	2	3.3	4.5	6

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HANDWHEEL SIZE (in mm) :



DN (mm)	8	10	15	20	25	32	40	50
NPS (")	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
H	77	70	70	69	64	77	80	80
L	130	128	133	133	130	210	205	205
L1	68	63	68	77	82	87	105	105
Ref.	9830571	9830571	9830572	9830573	9830573	9830574	9830574	9830574
Weight (Kg)	0.300	0.300	0.380	0.420	0.420	0.460	0.460	0.460

2 PIECES FORGED CARBON STEEL BALL VALVE CLASS 800**STANDARDS :**

- Manufacturer certified ISO 9001 : 2015
- DIRECTIVE 2014/68/EU: For liquids or Gas of Group 1
 - DN1/4"-1" : Article 4, §3 (SEP), no CE marking
 - DN1"1/4-DN2" : Risk category II, CE0948 marking
- Certificate 3.1 on request
- Designing according to ISO 17292, BS 5351 and API 608
- Pressure tests according to API 598, table 6
- Fire safe according to B.S. 6755 part.2
- Threaded female BSP cylindrical ends according to ISO 228/1
- Threaded female NPT ends according to ANSI B1.20.1
- Materials according to NACE MR 01-75
- ATEX Group II Category 2 G/2D Zone 1 & 21 Zone 2 & 22 (optional marking)

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.