

2 PIECES CARBON STEEL BALL VALVE PN63 ATEX DIN M3

2 pieces carbon steel ball valve DIN M3 with full bore for Chemical industries, petrochemical industries, hydraulic installation, heating, water distribution and compressed air.

Length according to EN 16722 Series M3 (DIN long pattern M3)

PTFE packing and PTFE filled with 15% Glass fiber seat for a temperature up to +180°C.

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



Certificate
3.1



LRQA
PED/2014/68/UE



Size : DN1/4" to DN3"

Connection : Female BSP

Min Temperature : -20°C

Max Temperature : +180°C

Max Pressure : 63 Bars (up to DN2")

Specifications : Long pattern DIN M3

Handle with locking device

Anti blow-out stem

ATEX

Full bore

Materials : Carbon Steel ASTM A216 WCB

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SPECIFICATIONS :

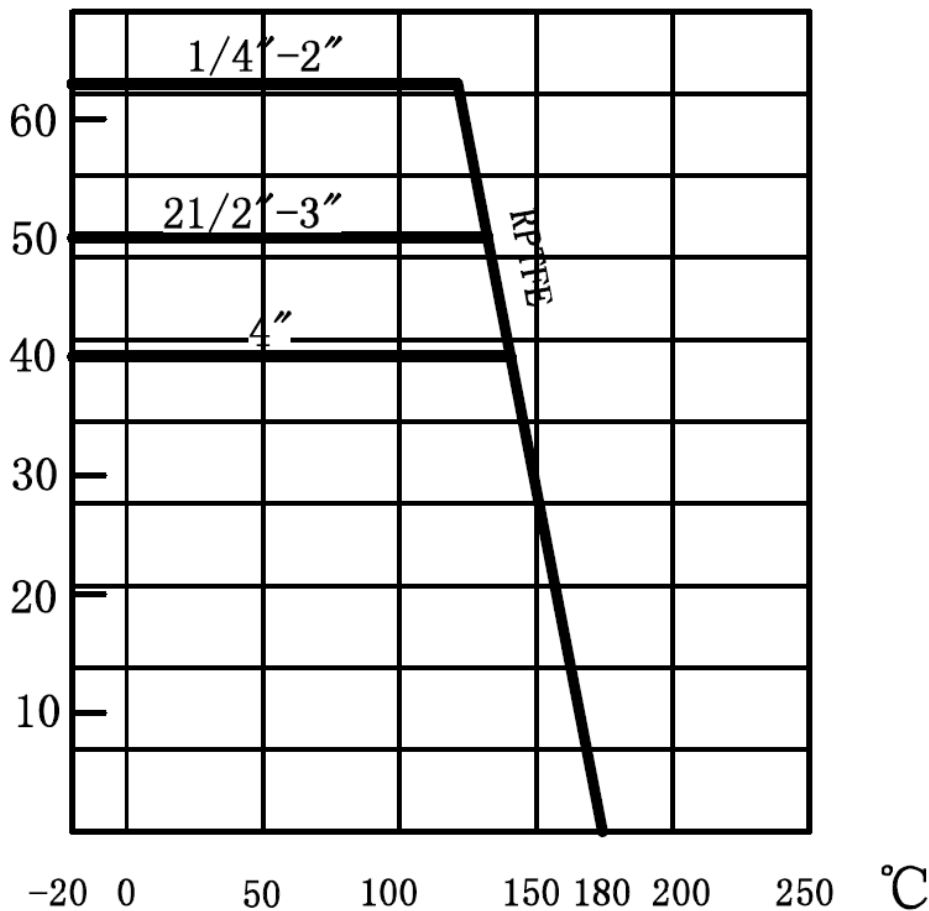
- Full bore
- Anti blow-out stem
- PTFE packing
- Locking device
- Solid ball
- With exhaust hole in the ball (located in the top of the ball to avoid overpressure in it)
- 2 pieces type
- ATEX

USE :

- Chemical and pharmaceutical industries, petrochemical industries, hydraulic installation, compressed air
- Min and max Temperature Ts : -20°C to + 180°C
- Max Pressure Ps : 63 bars up to DN2", 50 bars from DN 2"1/2 to 3" (see graph)

PRESSURE / TEMPERATURE GRAPH (STEAM EXCLUDED) :

PRESSURE



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FLOW COEFFICIENT Kvs (M3 / h) :

DN	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
Kvs (m3/h)	18.7	21.7	31.3	57.9	94.2	157.9	227.9	414.8	706.7	984.6

TORQUE VALUES (in Nm without safety coefficient) :

DN	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
Torque (Nm)	5	5	7	10	18	28	40	50	70	90

RANGE :



- Carbon steel body 2 pieces ball valve BSP threaded with red handle **Ref. 705** DN 1/4" to DN 3"



- Blue handle cover **Ref. 9830620 to 9830624** DN 1/4" to DN 3"



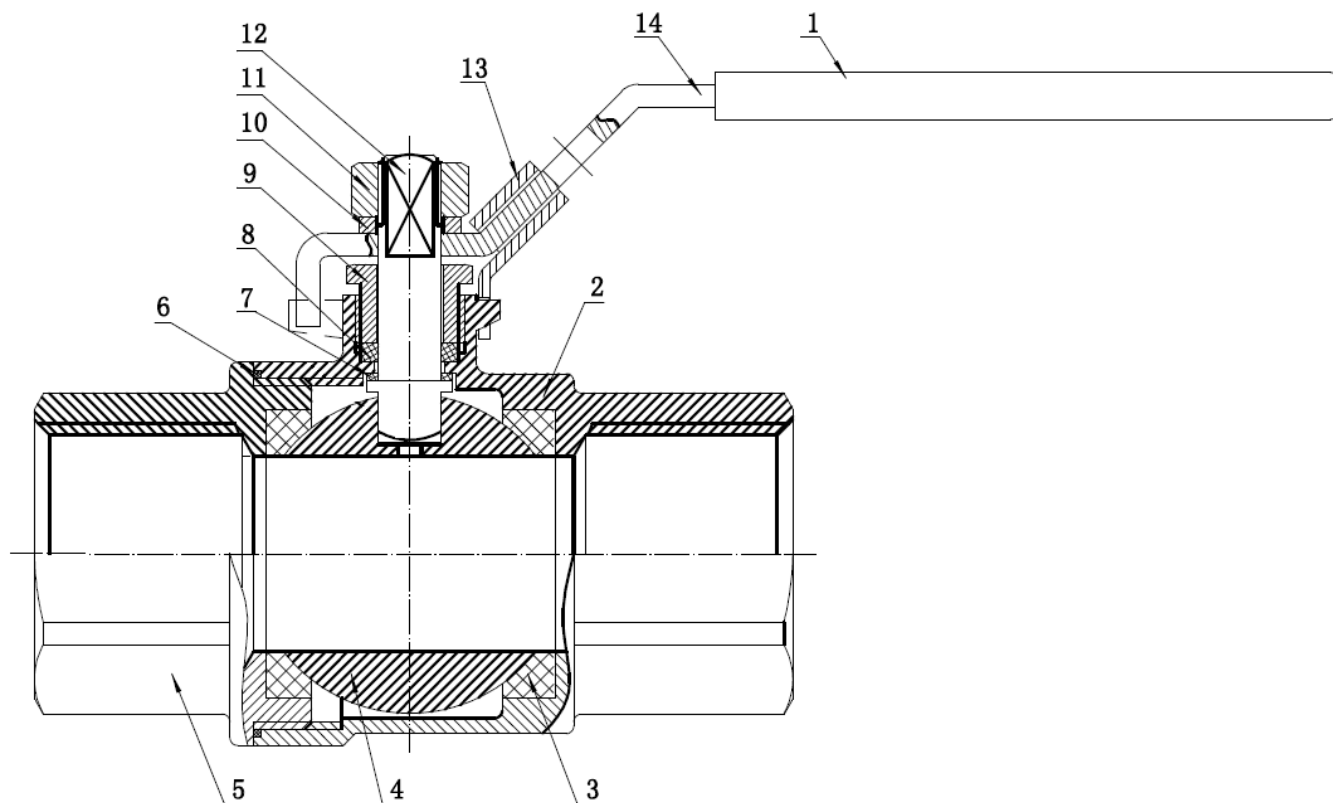
- AISI 304 red butterfly handle **Ref. 9830611 à 9830613** DN 1/4" to DN 1"



- AISI 304 stem extension **Ref.9830650-9830654** from DN1/4" to DN3"

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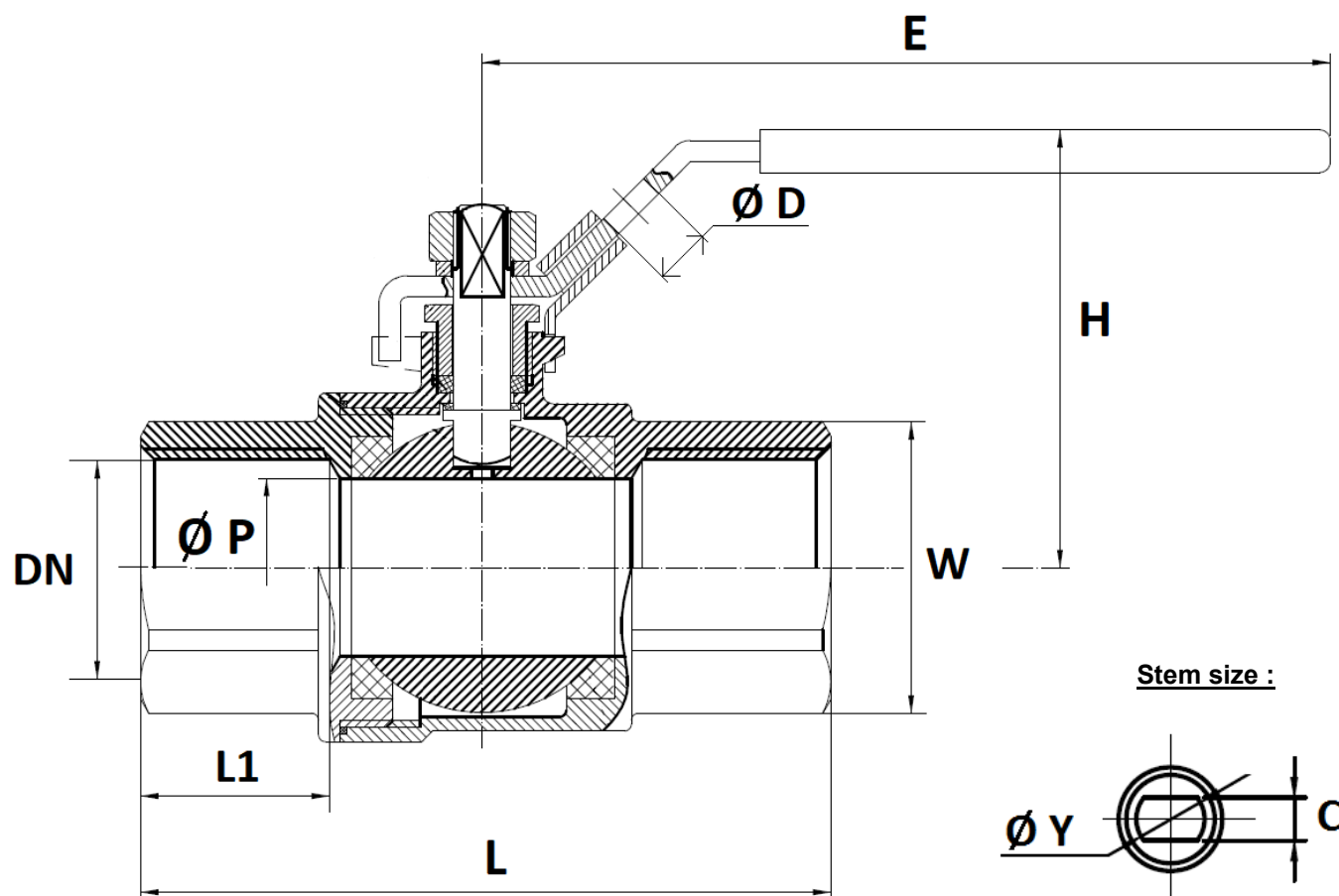
MATERIALS :



Item	Designation	Materials
1	Handle cover	Plastic
2	Body	ASTM A216 WCB
3	Seat	PTFE filled with 15% glass fiber
4	Ball	AISI 304
5	Ends	ASTM A216 WCB
6	Body gasket	PTFE
7	Gasket	PTFE filled with carbon
8	Packing	PTFE
9	Packing nut	AISI 304
10	Washer	
11	Handle nut	
12	Stem	
13	Locking device	
14	Handle	

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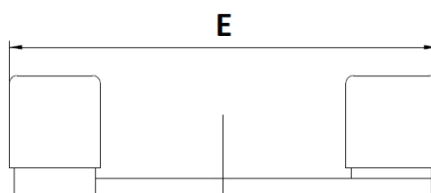
SIZE (in mm) :



DN	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
Ø P	11.6	12.5	15	20	25	32	38	50	64	76
L	50	60	75	80	90	110	120	140	185	205
Ø D	6		7							
E	91.5	91.5	103	112.5	112.5	140	140	162	230	230
H	48	48	52.5	59	62.5	74	77.5	92.5	118	127
L1	17.8	17.8	20.5	22	22.5	30	30	32	46.3	49.5
W (on flat)	18	21	25	30	37	46	52	65	82.5	97.5
C	5			6		6.5		7.5	9.8	
Ø Y	M8					M10		M12	M14	
Weight (in Kg)	0.17	0.19	0.29	0.39	0.6	0.99	1.36	2.53	4.9	7.5
Ref.	705002	705003	705004	705005	705006	705007	705008	705009	705010	705011

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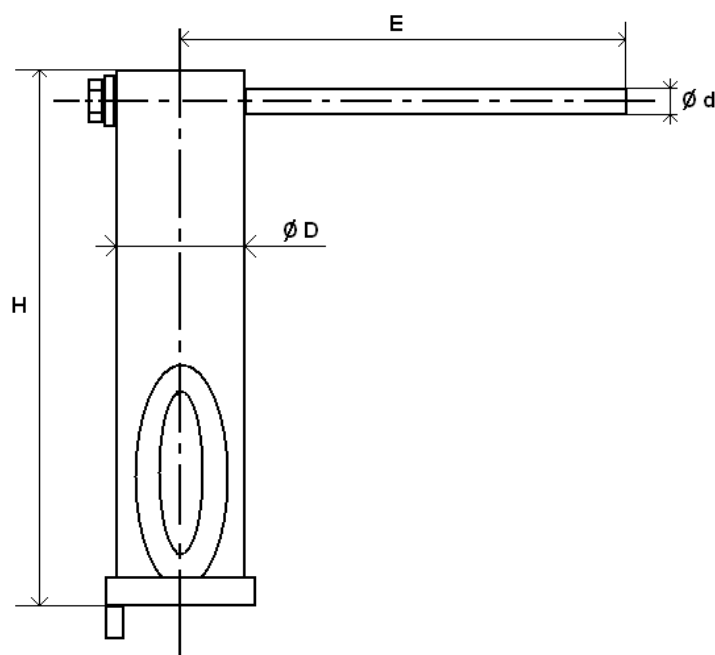
BUTTERFLY HANDLE SIZE (in mm) :



- **Ref. 983061 :**

DN	1/4"	3/8"	1/2"	3/4"	1"
E	50		57.5	65	
Ref.	9830611		9830612	9830613	

STEM EXTENSION SIZE (in mm) :



DN	1/4"-1/2"	3/4"-1"	1"1/4-1"1/2	2"	2"1/2-3"
H	126	126.3		128	
E	124		157.8	188.5	227
Ø D	28		32	36	47
Ø d	12		14		16
Weight (in Kg)	0.33	0.33	0.47	0.61	1
Ref.	9830650	9830651	9830652	9830653	9830654

2 PIECES CARBON STEEL BALL VALVE PN63 ATEX DIN M3**STANDARDS :**

- Manufacturer certified ISO 9001 : 2015
- DIRECTIVE 2014/68/EU : For liquids and gas of Group 1
 - DN1/4"-1" : Article 4, §3 (SEP), no CE marking
 - DN1"1/4-3" : Risk Category II, CE0038 or CE0343 marking
- Certificate 3.1 on request
- Pressure Tests according to EN 12266-1, Rate A
- Threaded ends BSP cylindrical according to ISO 228-1
- Length according to EN 16722 Series M3 (DIN 3202 M3)
- ATEX Group II Category 2 G/2D T3 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.