2 PIECES STAINLESS STEEL BALL VALVE PN63 ATEX DIN M3 FEMALE BSP

2 pieces stainless 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

PED/2014/68/UE



Size :	DN1/4" to DN4"
Connection :	Female BSP
Min Temperature :	-50°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 :	Stainless Steel ASTM A351 CF8M

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SPECIFICATIONS :

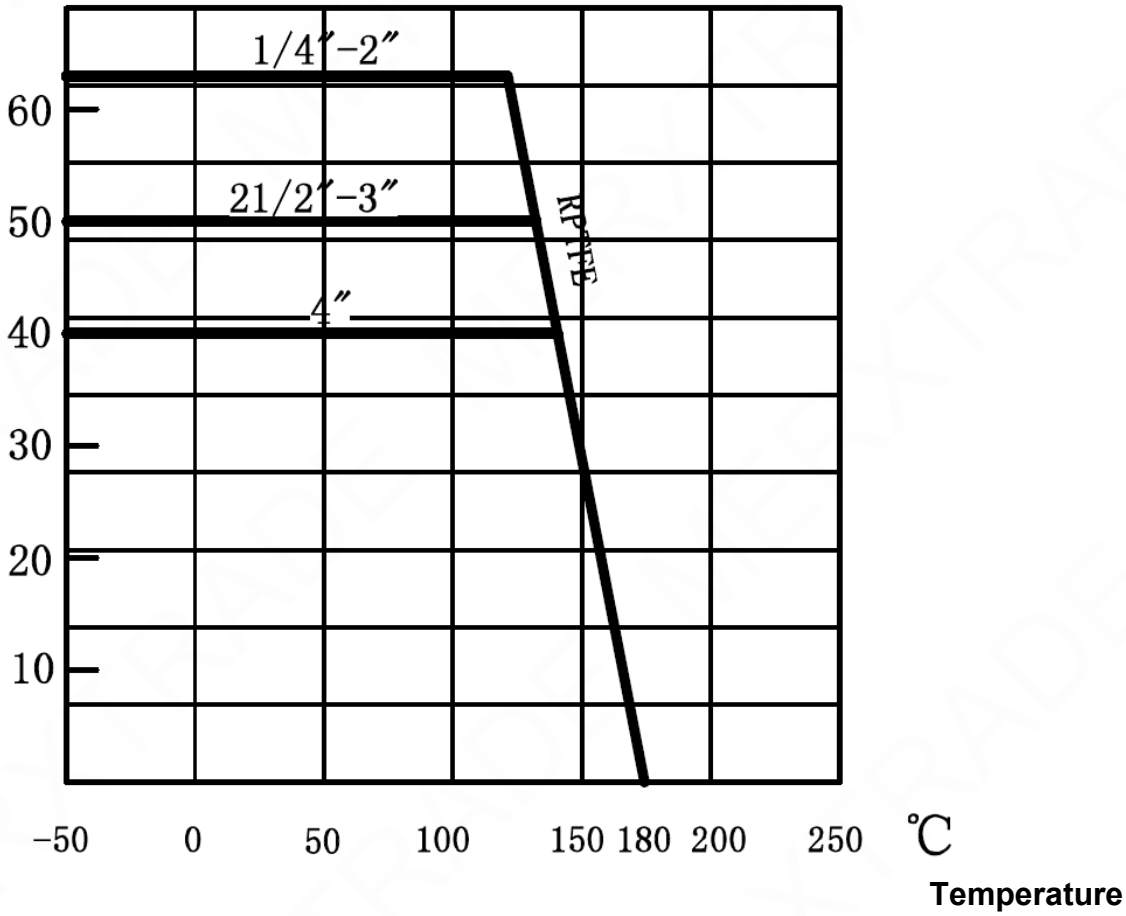
- Full bore
- Anti blow-out stem
- PTFE packing
- Locking device
- Solid ball
- With exhaust hole in the ball (located in the top of the ball to avoid overpressure in it)
- 2 pieces type
- ATEX

USE :

- Chemical and pharmaceutical industries, petrochemical industries, hydraulic installation, compressed air
- Min and max Temperature Ts : -50°C to + 180°C
- Max Pressure Ps : 63 bars up to DN2", 50 bars from DN2"1/2 to 3" and 40 bars for DN4" (see graph)

PRESSURE / TEMPERATURE GRAPH (STEAM EXCLUDED) :

Pressure (Bar)



Temperature

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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"	4"
Kvs (m3/h)	18.7	21.7	31.3	57.9	94.2	157.9	227.9	414.8	706.7	984.6	1590

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"	4"
Torque (Nm)	5	5	7	10	18	28	40	50	70	90	100

RANGE :



- Stainless steel ball valve BSP threaded with red handle DN 1/4“ to DN 4“



- Stainless steel ball valve BSP threaded with red butterfly handle **Ref. MXT-7061** DN 1/4“ to DN 1“



- Blue handle cover DN 1/4“ to DN 3“



- AISI 304 red butterfly handle DN 1/4“ to DN 1“

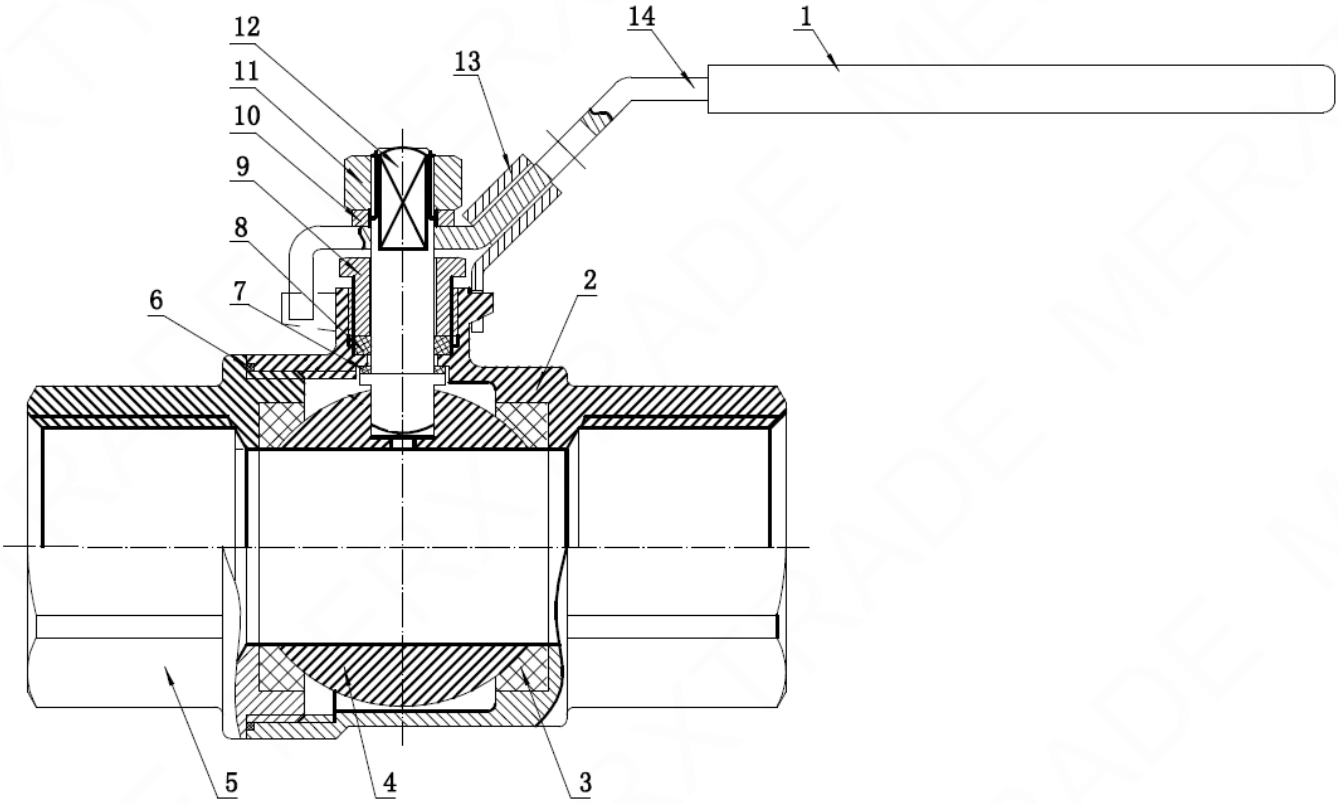


- AISI 304 stem extension from DN1/4" to DN4"

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MATERIALS :

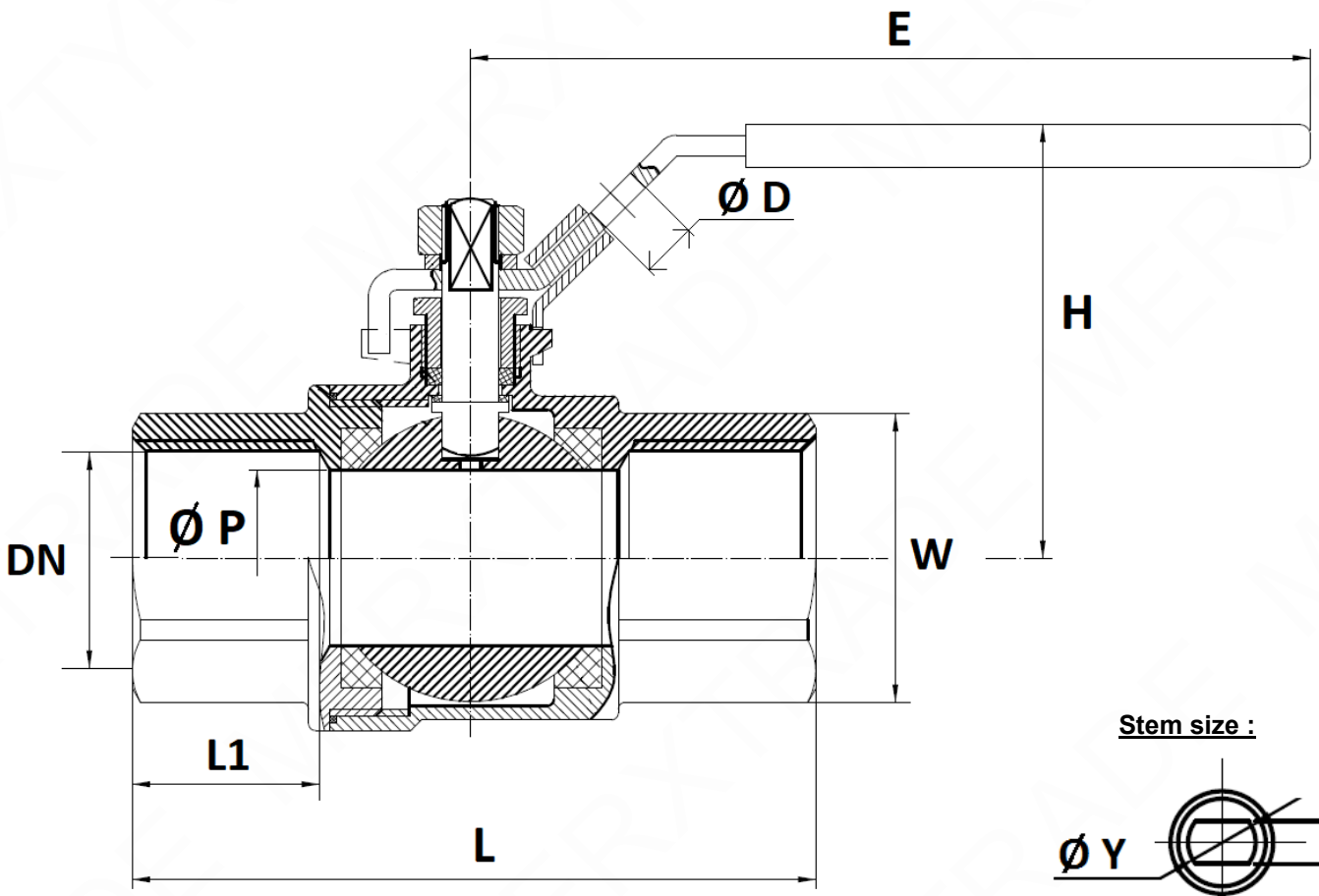


Item	Designation	Materials
1	Handle cover	Plastic
2	Body	ASTM A351 CF8M
3	Seat	PTFE filled with 15% glass fiber
4	Ball	AISI 316
5	Ends	ASTM A351 CF8M
6	Body gasket	PTFE
7	Gasket	PTFE filled with carbon
8	Packing	PTFE
9	Packing nut	AISI 304
10	Washer	
11	Handle nut	
12	Stem	AISI 316
13	Locking device	AISI 304
14	Handle	

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SIZE (in mm) :



Stem size :

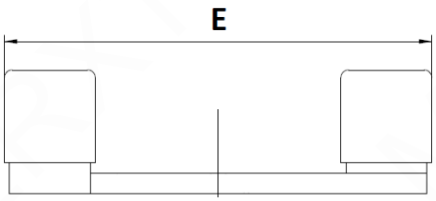
DN	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
Ø P	11.6	12.5	15	20	25	32	38	50	64	76	96
L	50	60	75	80	90	110	120	140	185	205	240
Ø D	6		7								
E	91.5	91.5	103	112.5	112.5	140	140	162	230	230	320
H	48	48	52.5	59	62.5	74	77.5	92.5	118	127	171
L1	17.8	17.8	20.5	22	22.5	30	30	32	46.3	49.5	49.5
W (on flat)	18	21	25	30	37	46	52	65	82.5	97.5	126.5
C	5			6		6.5		7.5	9.8		16
Ø Y	M8					M10		M12	M14		M20
Weight (in Kg)	0.17	0.19	0.29	0.39	0.58	0.99	1.36	2.5	4.82	8.64	17.3

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BUTTERFLY HANDLE SIZE (in mm) :

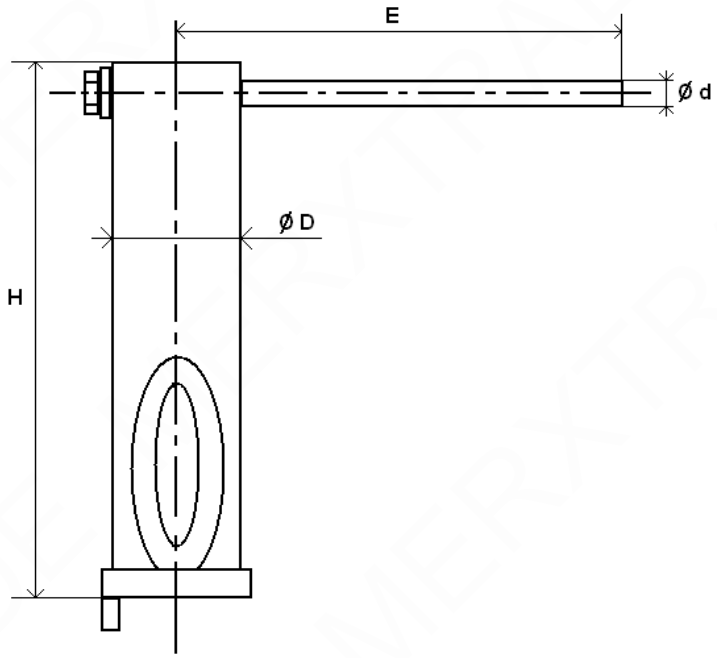




- **Ref. 983061 :**

DN	1/4"	3/8"	1/2"	3/4"	1"
E	50		57.5	65	

STEM EXTENSION SIZE (in mm) :



DN	1/4"-1/2"	3/4"-1"	1"1/4-1"1/2	2"	2"1/2-3"	4"
H	126	126.3		128		
E	124		157.8	188.5	227	
Ø D	28		32	36	47	57
Ø d	12		14		16	
Weight (in Kg)	0.33	0.33	0.47	0.61	1	1.32

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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"1/4-4" : 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/2Dc T3 Zone 1 & 21 Zone 2 &22 (optional marking)

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