

Gemini Valve B.V.

Zijperstraat 29, 1823CX Alkmaar, Netherlands
Tel.: +31(0) 161-227.909 / Mobile: +316 1358 2578

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www.geminivalve.nl

GV704



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

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



LRQA
PED/2014/68/UE



Size : DN1/4" to DN2"

Connection : Female NPT

Min Temperature : -50°C

Max Temperature : +180°C

Max Pressure : 63 Bars

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 :

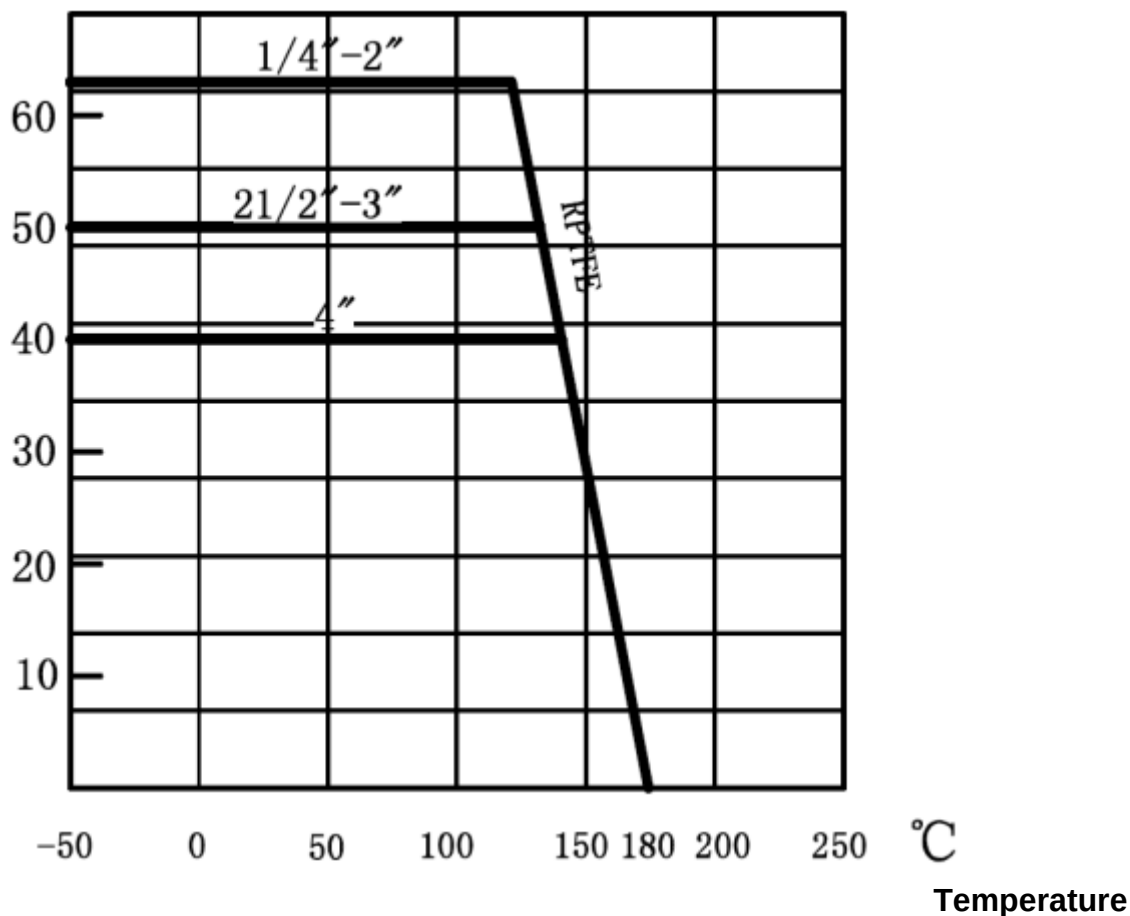
- Full bore
- Anti blow-out stem
- PTFE packing
- Locking device
- Solid ball
- 2 pieces type
- ATEX

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 (see graph)

PRESSURE / TEMPERATURE GRAPH (STEAM EXCLUDED) :

Pressure (Bar)



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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"
Kvs (m3/h)	18.7	21.7	31.3	57.9	94.2	157.9	227.9	414.8

TORQUE VALUES (in Nm without safety coefficient) :

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

RANGE :



- Stainless steel ball valve NPT threaded with red handle **Ref. 704** DN 1/4" to DN 2"



- Blue handle cover **Ref. 9830620 to 9830624** DN1/4" to DN 2"



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

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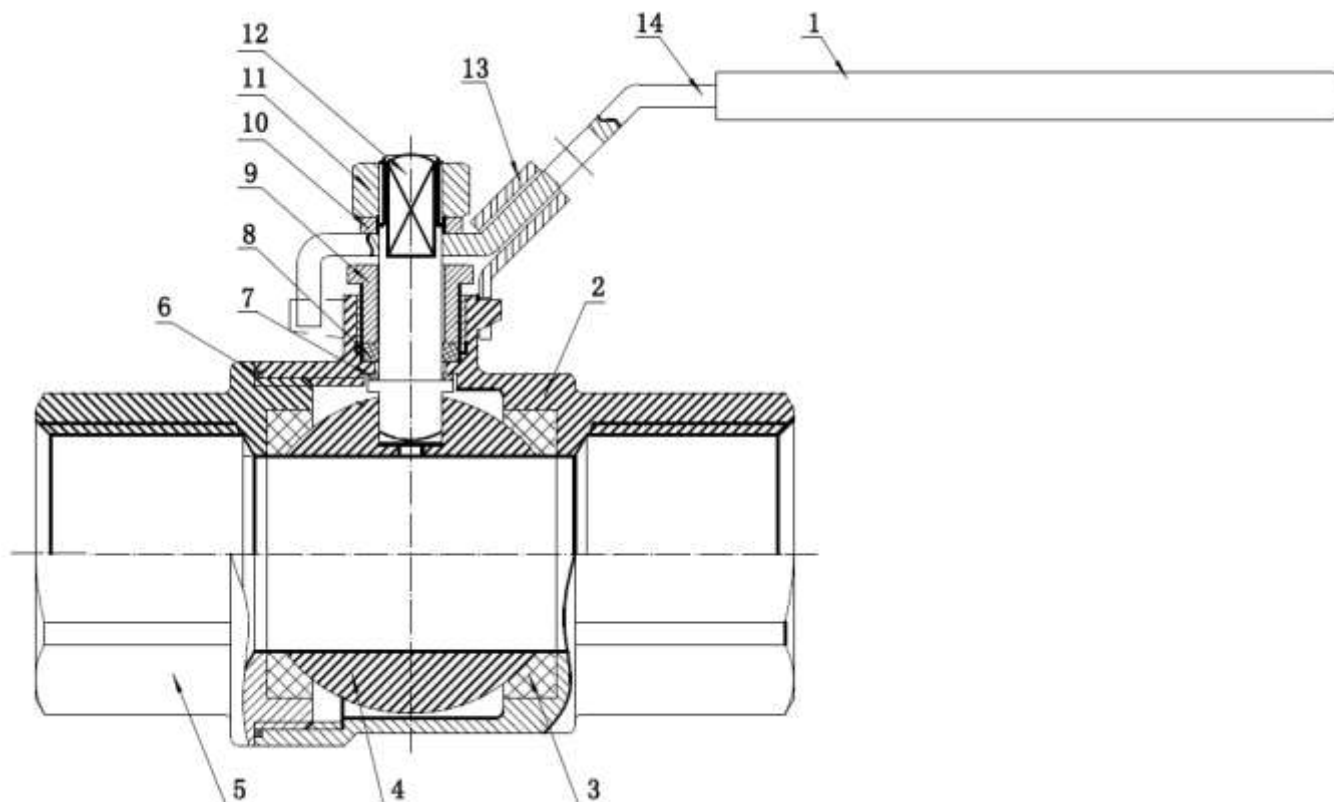
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MATERIALS :



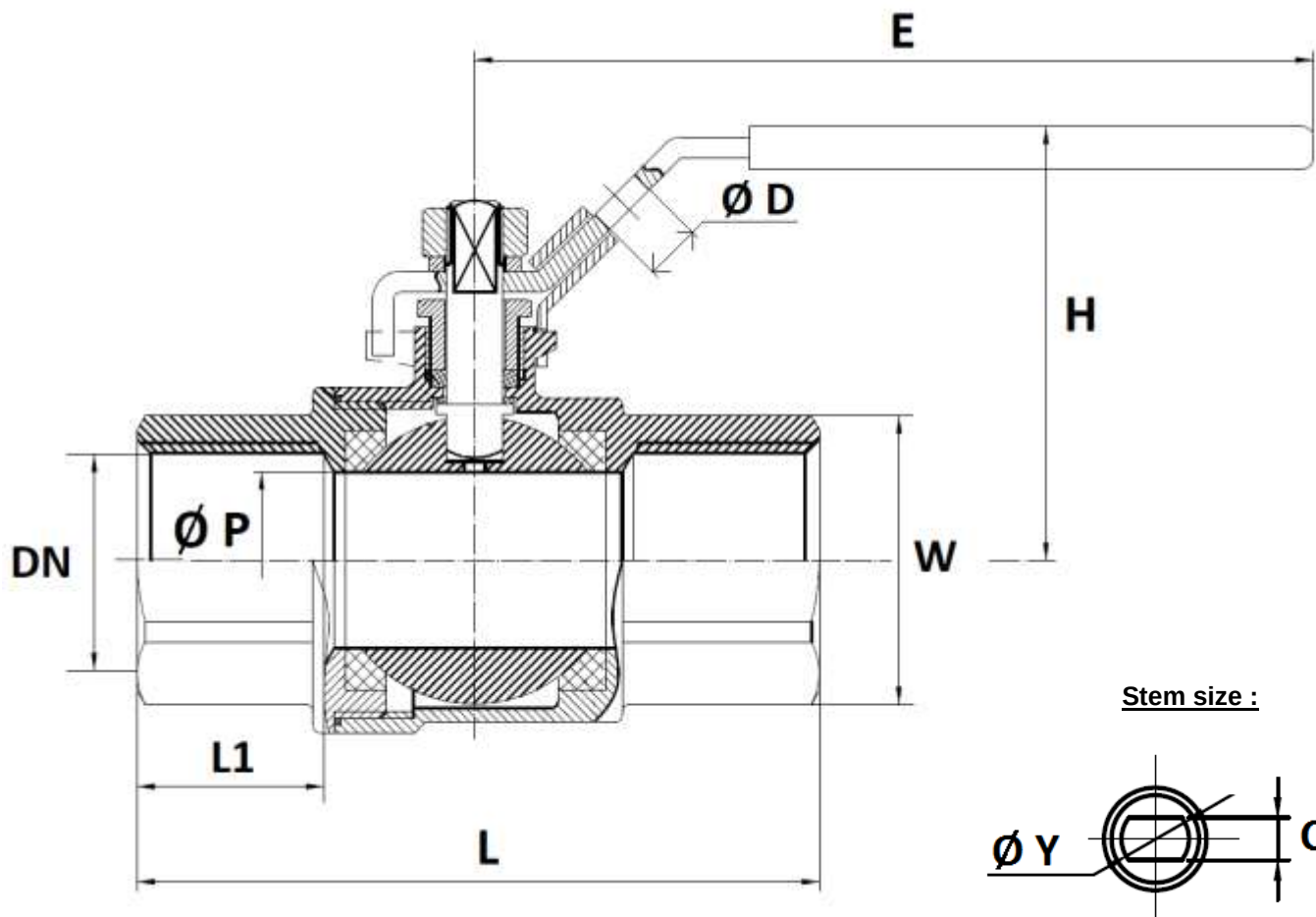
Item	Designation	Materials
1	Handle cover	Plastic
2	Body	ASTM A351 CF8M
3	Seat	PTFE filled with 15% glass fiber
4	Ball	AISI 316
5	Ends	ASTM A351 CF8M
6	Body gasket	PTFE
7	Gasket	PTFE filled with carbon
8	Packing	PTFE
9	Packing nut	AISI 304
10	Washer	
11	Handle nut	
12	Stem	AISI 316
13	Locking device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

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www.geminivalve.nl**GV704****2 PIECES STAINLESS STEEL BALL VALVE PN63 ATEX DIN M3 FEMALE NPT****SIZE (in mm) :****Stem size :**

DN	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Ø P	11.6	12.5	15	20	25	32	38	50
L	50	60	75	80	90	110	120	140
Ø D	6		7					
E	91.5	91.5	103	112.5	112.5	140	140	162
H	48	48	52.5	59	62.5	74	77.5	92.5
L1	17.8	17.8	20.5	22	22.5	30	30	32
W (on flat)	18	21	25	30	37	46	52	65
C	5			6		6.5		7.5
Ø Y	M8					M10		M12
Weight (in Kg)	0.17	0.19	0.29	0.39	0.58	0.99	1.36	2.5
Ref.	704002	704003	704004	704005	704006	704007	704008	704009

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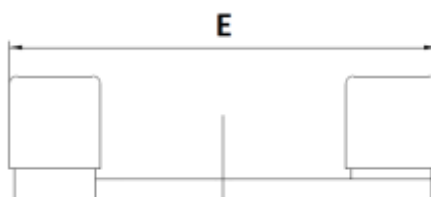
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BUTTERFLY HANDLE SIZE (in mm) :



- **Ref. 983061 :**

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

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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"1/4-2" : Risk Category II, CE0038 or CE0343 marking
- Certificate 3.1 on request
- Pressure Tests according to EN 12266-1, Rate A
- Threaded ends NPT according to ANSI B1.20
- 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)

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