

NF DVGW BRASS BALL VALVE ACS 4MS GREEN HANDLE (506-528-544-549-567-577)

Brass 4MS ball valve with NF certification, full bore with flat end for closing networks of drinking water, heating, watering, water distribution, and cooling.

Valve certified by the French CSTB and made according NF079 for a 10 years warranty.

PTFE packing and EPDM O ring on stem, anti blow-out stem.

Reversible anti-corrosion handle.

Drilled ball to reduce bacteria growth and scaling.



Size : DN1/4" to DN2"
Connection : Male, Female BSP
Min Temperature : -5°C
Max Temperature : +90°C (+110°C temporarily)
Max Pressure : 40 Bars (up to DN3/4")
Specifications : Anti blow-out stem
With manifold
PTFE packing + EPDM O ring on stem
Full bore

Materials : Brass CW617N-4MS according to EN 12165

*the installation defects and wear defects are not covered by the guarantee

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

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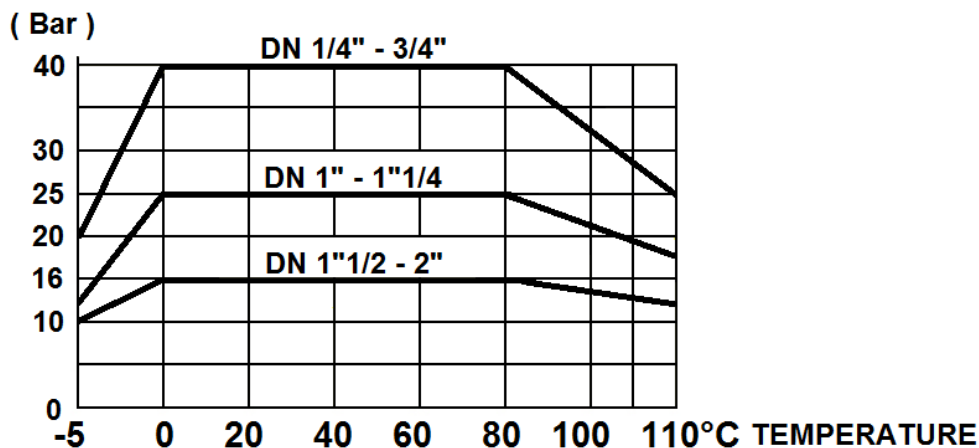
SPECIFICATIONS :

- 4MS Brass
- Fabrication according to NF079
- 10 years manufacture warranty (the installation defects and wear defects are not covered by the guarantee)
- Made in Italy
- Full bore
- Anti blow-out stem
- Solid ball
- Drilled ball (to avoid water stagnation between ball and body) up to DN 1"1/2
- Flat ends
- PTFE G200 packing + O ring EPDM 4270 on stem
- Anti-corrosion flat steel handle or butterfly aluminium handle
- Body marking : Made in Italy, NF,ACS,PN on one face and Logo,DN,fabrication date Year/Month, brass quality on the other face
- Handle marking : On/Off , Airaga , Made in Italy , Min and max Temperature , acoustic group I
- Reversible handle green color RAL 6029, with hole allowing the locking of the valve (thanks to a rilsan clamp)
- Possible with locking device for DN1/2" and 3/4" (**Ref. 9810404**)

USE :

- Watering, water distribution, heating, drinkable water, air-conditioning
- Min Temperature Ts : - 5°C
- Max Temperature Ts : + 90°C (+110°C temporarily during 1 hour max)
- Max Pressure Ps (excepted drain valves types) : 40 bars up to DN 3/4" , 25 bars from 1" to 1"1/4, 16 bars over
- Max pressure Ps for drain valves types : 25 bars from 1/2" to 1"1/4, 16 bars over

PRESSURE / TEMPERATURE GRAPH (STEAM EXCLUDED) :



RANGE :



- NF valve Female / Female with green flat steel handle **Ref. 577** from 1/4" to 2"
- NF valve Female / Female with green butterfly handle **Ref. 578** from 1/4" to 1"
- NF valve Male / Female with green flat steel handle **Ref. 528** from 1/4" to 2"

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RANGE (SUITE) :



- NF valve Male / Female with green butterfly handle **Ref. 569** from 1/4" to 1"



- NF valve Male / Male with green flat steel handle **Ref. 567** from 3/8" to 2"



- NF valve Male / Male with green butterfly handle **Ref. 568** from 3/8" to 1"



- NF valve Female / Female with drainer with green flat steel handle **Ref. 506** from 1/2" to 2"



- NF valve Female / Female with drainer with green butterfly handle **Ref. 526** from 1/2" to 1"



- NF valve Male / Female with drainer with green flat steel handle **Ref. 549** from 1/2" to 1"



- NF valve Male / Female with drainer with green butterfly handle **Ref. 550** from 1/2" to 1"



- NF valve Male / Male with drainer with green flat steel handle **Ref. 544** from 1/2" to 1"



- NF valve Male / Male with drainer with green butterfly handle **Ref. 545** from 1/2" to 1"



- NF Stem extension **Ref. 9812321 to 9812124** (except series with butterfly handle)

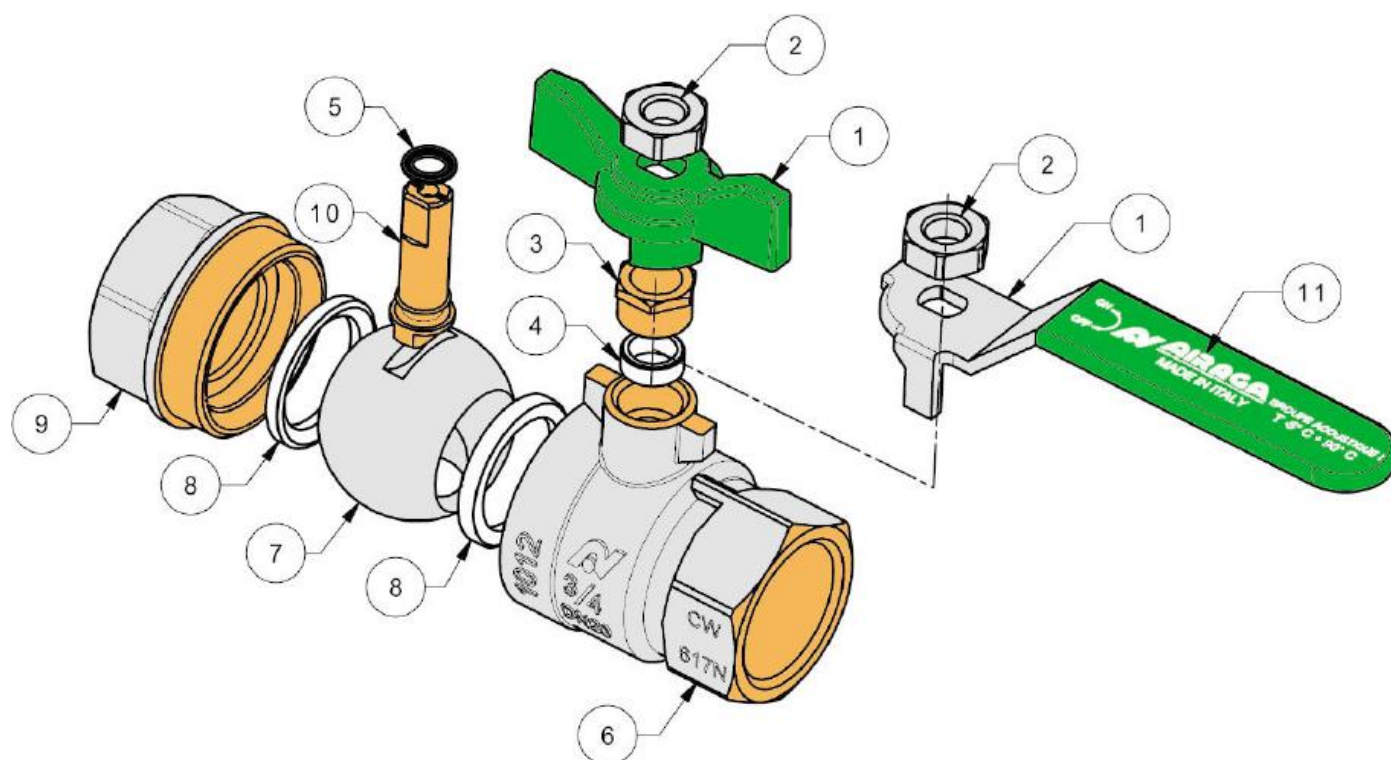


- Locking device SFERALOCKING (without valve) **Ref. 9810404** (only for DN1/2" and 3/4")

- Passkey for locking device SFERALOCKING **Ref. 9810403**

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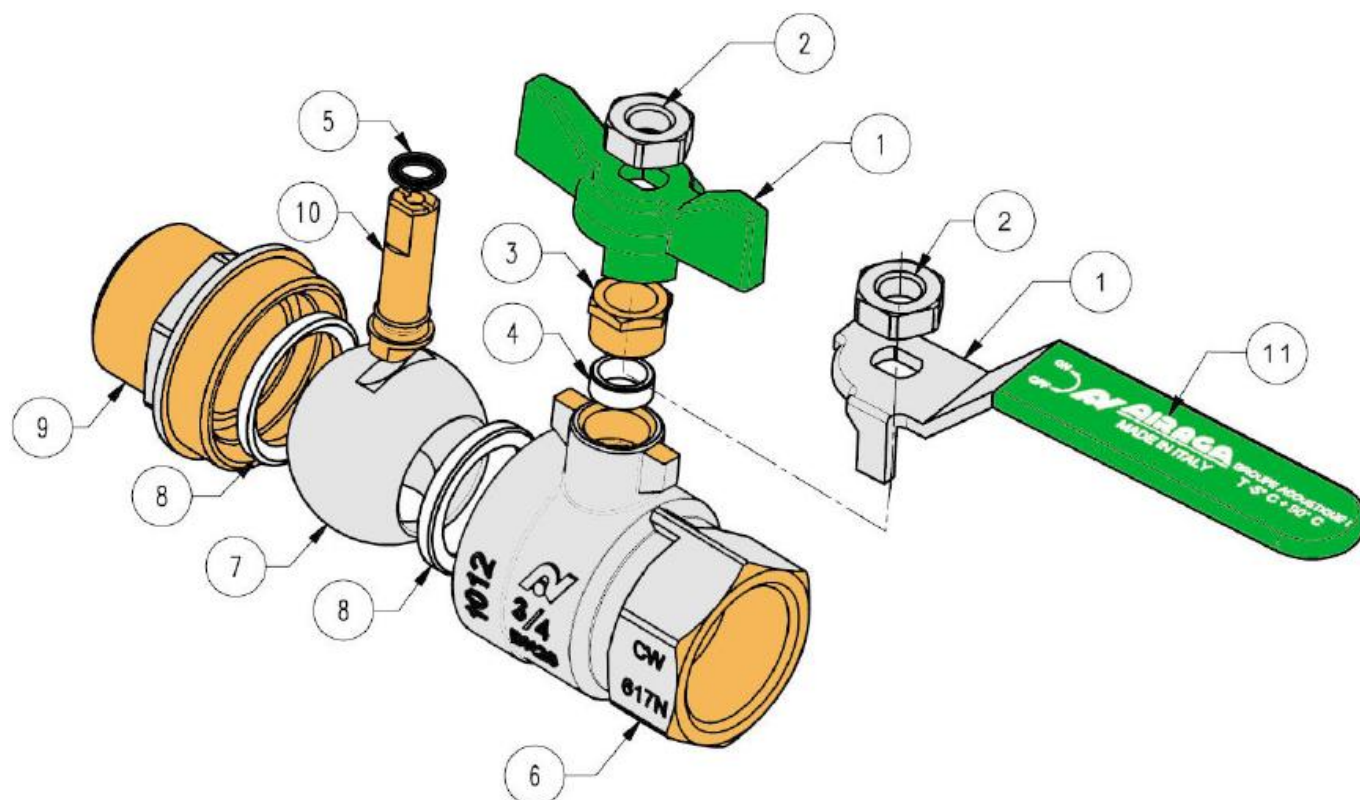
MATERIALS FEMALE – FEMALE TYPES :



Item	Designation	Materials 577	Materials 578
1	Handle	Galvanized steel Geomet 321 coated	Aluminium
2	Handle nut	Galvanized steel Geomet 321 coated	
3	Packing nut	Brass CW614N-4MS according to EN 12164	
4	Packing	PTFE G200	
5	O ring	EPDM 4270	
6	Body (external)	Nicked brass CW617N-4MS according to EN 12165	
6	Body (internal)	Brass CW617N-4MS according to EN 12165	
7	Ball	Chromed brass CW617N-4MS according to EN 12165	
8	Seat	PTFE G400	
9	Bonnet (external)	Nicked brass CW617N-4MS according to EN 12165	
9	Bonnet (internal)	Brass CW617N-4MS according to EN 12165	
10	Stem	Brass CW614N-4MS according to EN 12164	
11	Handle cover	Plastic	-

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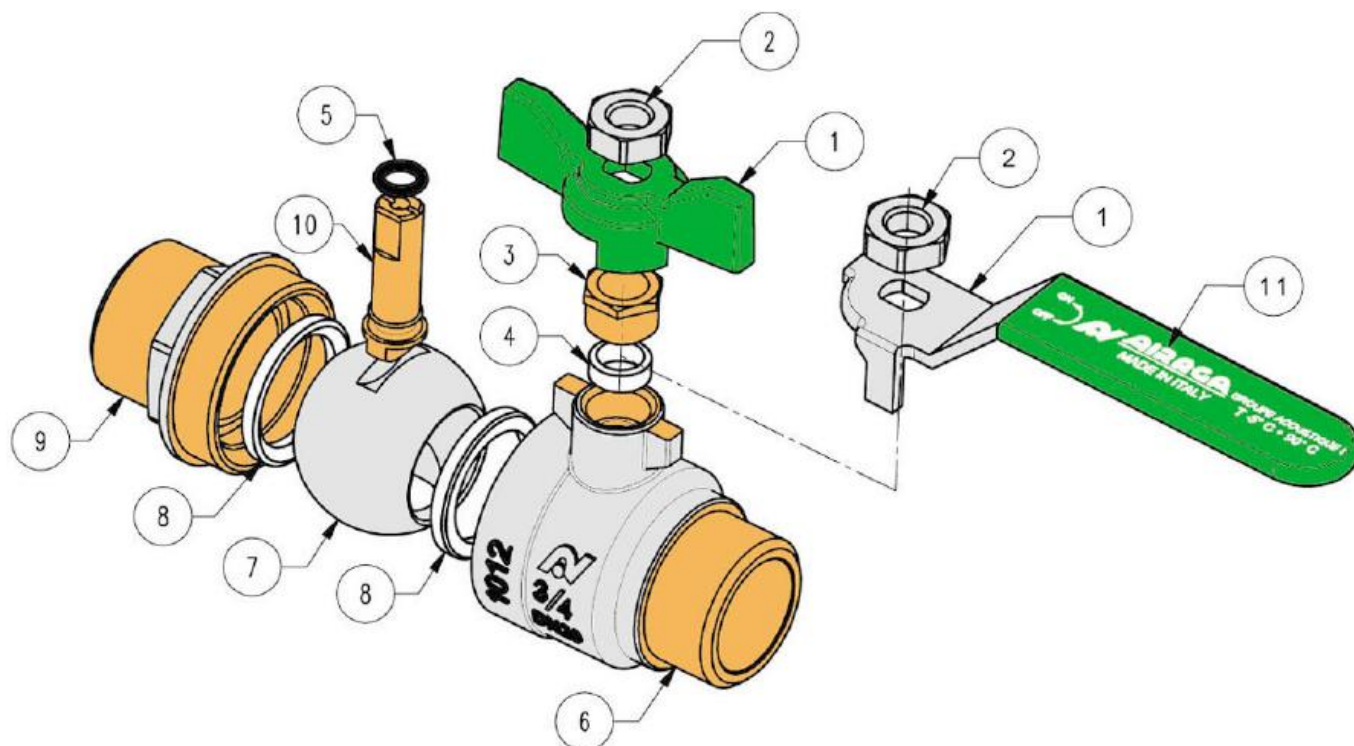
MATERIALS MALE – FEMALE TYPES :



Item	Designation	Materials 528	Materials 569
1	Handle	Galvanized steel Geomet 321 coated	Aluminium
2	Handle nut	Galvanized steel Geomet 321 coated	
3	Packing nut	Brass CW614N-4MS according to EN 12164	
4	Packing	PTFE G200	
5	O ring	EPDM 4270	
6	Body (external)	Nicked brass CW617N-4MS according to EN 12165	
6	Body (internal)	Brass CW617N-4MS according to EN 12165	
7	Ball	Chromed brass CW617N-4MS according to EN 12165	
8	Seat	PTFE G400	
9	Bonnet (external)	Nicked brass CW617N-4MS according to EN 12165	
9	Bonnet (internal)	Brass CW617N-4MS according to EN 12165	
10	Stem	Brass CW614N-4MS according to EN 12164	
11	Handle cover	Plastic	-

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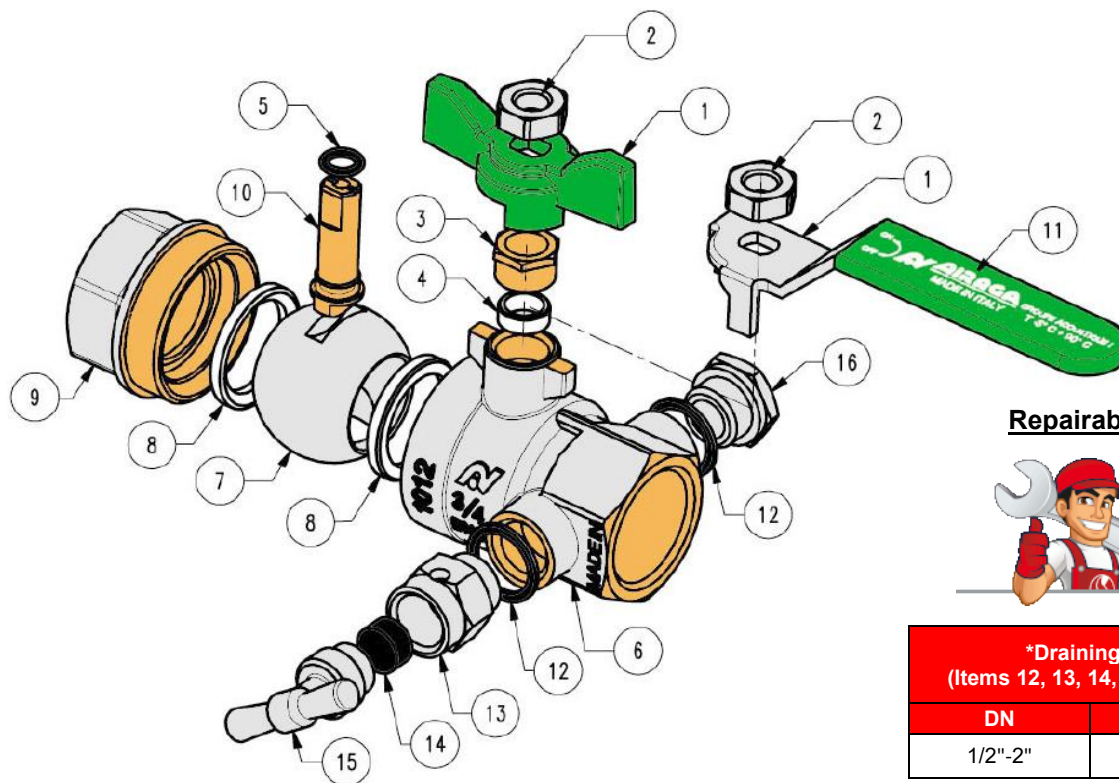
MATERIALS MALE – MALE TYPES :



Item	Designation	Materials 567	Materials 568
1	Handle	Galvanized steel Geomet 321 coated	Aluminium
2	Handle nut	Galvanized steel Geomet 321 coated	
3	Packing nut	Brass CW614N-4MS according to EN 12164	
4	Packing	PTFE G200	
5	O ring	EPDM 4270	
6	Body (external)	Nicked brass CW617N-4MS according to EN 12165	
6	Body (internal)	Brass CW617N-4MS according to EN 12165	
7	Ball	Chromed brass CW617N-4MS according to EN 12165	
8	Seat	PTFE G400	
9	Bonnet (external)	Nicked brass CW617N-4MS according to EN 12165	
9	Bonnet (internal)	Brass CW617N-4MS according to EN 12165	
10	Stem	Brass CW614N-4MS according to EN 12164	
11	Handle cover	Plastic	-

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MATERIALS DRAIN VALVES TYPES :



Repairability :



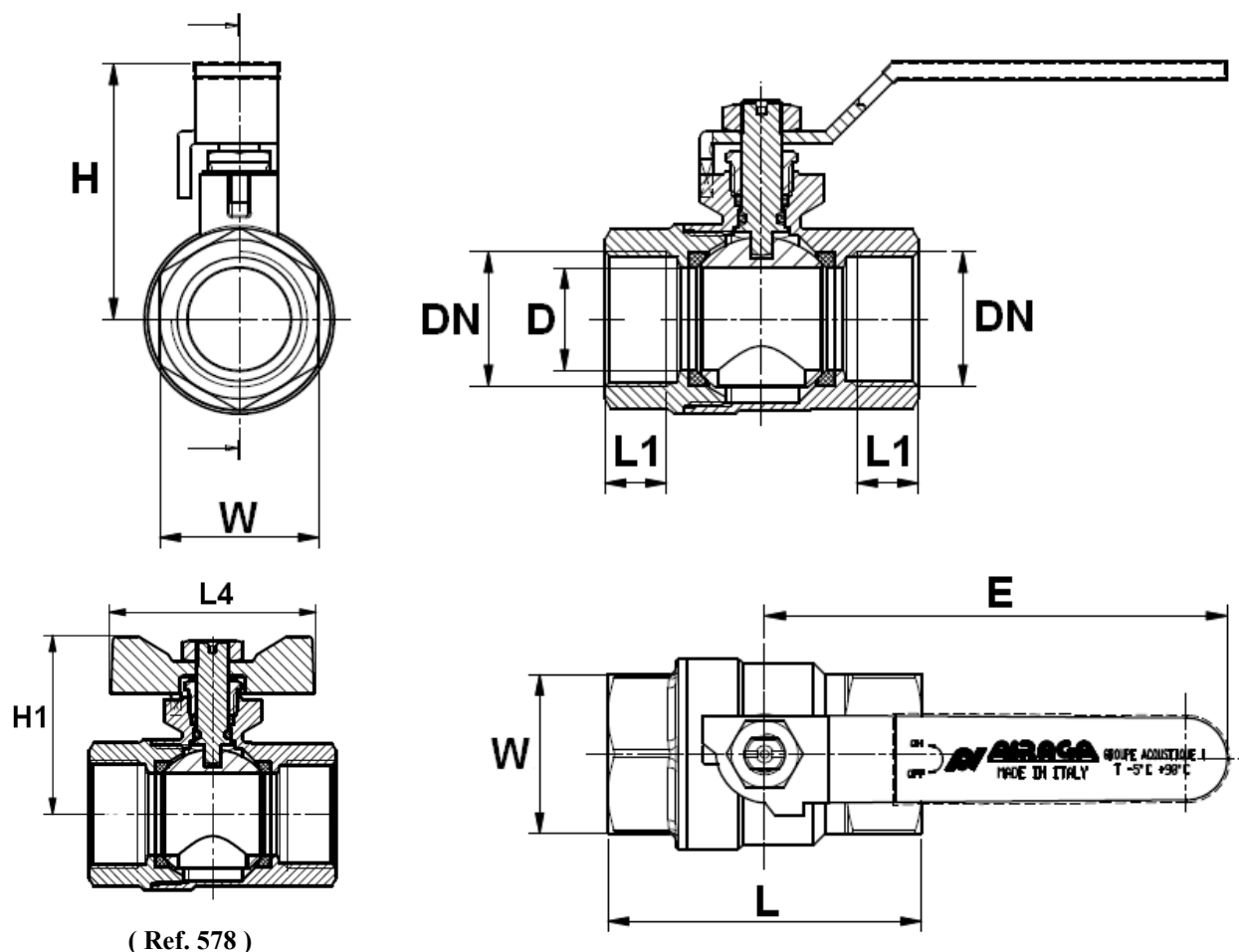
***Draining Kit
(Items 12, 13, 14, 15 and 16)**

DN	Ref.
1/2"-2"	9812008

Item	Designation	Materials 506-544-549	Materials 526-545-550
1	Handle	Galvanized steel Geomet 321 coated	Aluminium
2	Handle nut	Galvanized steel Geomet 321 coated	
3	Packing nut	Brass CW614N-4MS according to EN 12164	
4	Packing	PTFE G200	
5	O ring	EPDM 4270	
6	Body (external)	Nickel brass CW617N-4MS according to EN 12165	
6	Body (internal)	Brass CW617N-4MS according to EN 12165	
7	Ball	Chromed brass CW617N-4MS according to EN 12165	
8	Seat	PTFE G400	
9	Bonnet (external)	Nickel brass CW617N-4MS according to EN 12165	
9	Bonnet (internal)	Brass CW617N-4MS according to EN 12165	
10	Stem	Brass CW614N-4MS according to EN 12164	
11	Handle cover	Plastic	-
12*	Gasket	Fibers	
13*	Bonnet	Nickel brass CW614N-4MS according to EN 12164	
14*	Washer	NBR	
15*	Handle	Nickel brass CW617N-4MS according to EN 12165	
16*	Cap	Nickel brass CW617N-4MS according to EN 12165	

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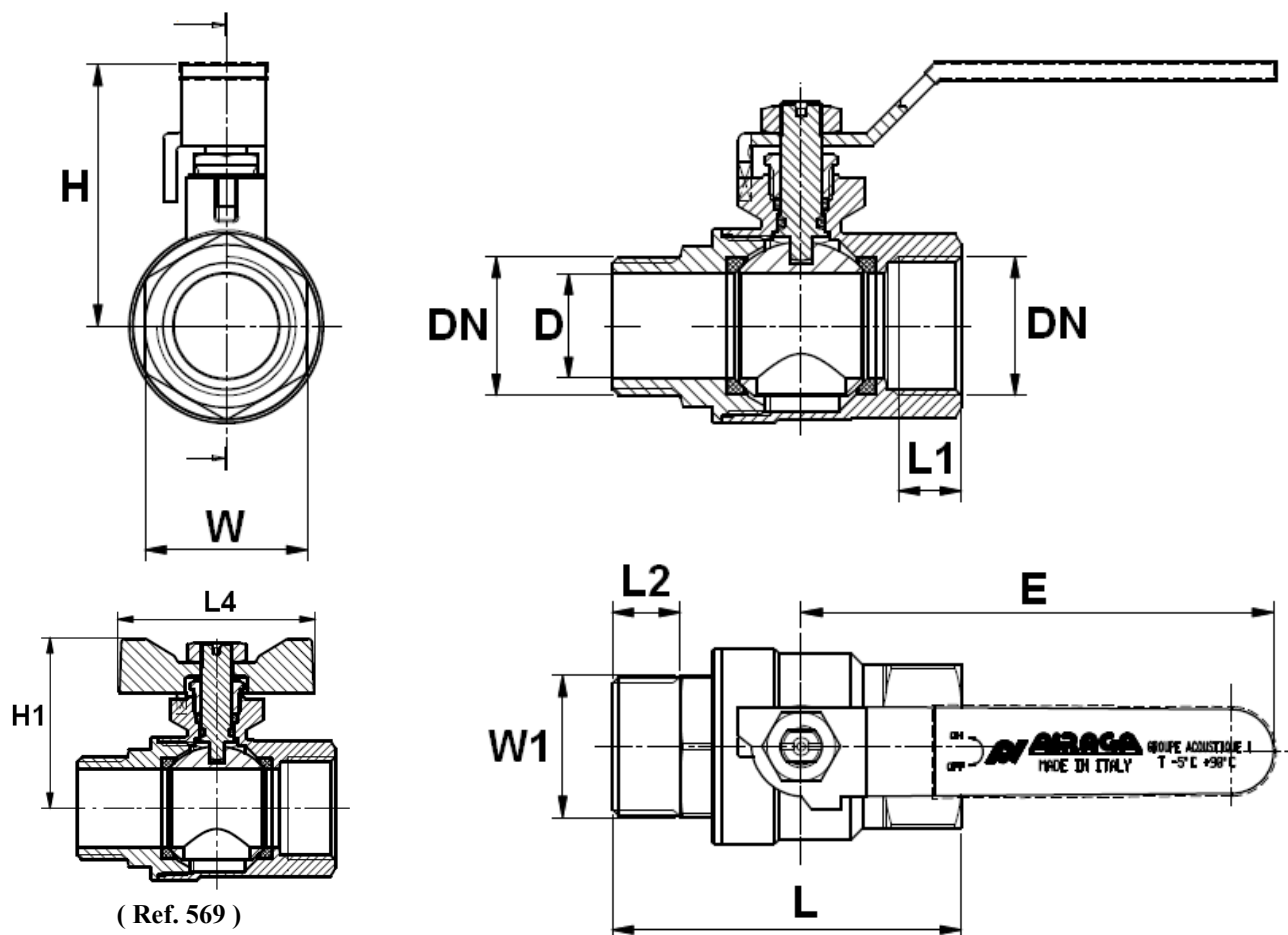
SIZE FEMALE / FEMALE TYPES (in mm) :



Ref.	DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
577	Ø D	10	10	15	20	25	32	40	50
	L	42.5	42.5	50.5	61	71	83.5	93	112
	L1	8	8.5	10.5	12	13.5	15.5	15.5	19
	L4	50	50	50	50	60	-	-	-
578	E	80	80	90	90	115	130	130	150
	H	39.5	39.5	46.5	50	62.5	72	78	91
	H1	36.5	36.5	40.5	44	54.5	-	-	-
	W on flat	20	20	25	31	38	47	54	66
577	Weight (Kg)	0.13	0.11	0.2	0.29	0.48	0.73	0.99	1.81
578	Weight (Kg)	0.11	0.1	0.17	0.26	0.44	-	-	-

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SIZE MALE / FEMALE TYPES (in mm) :

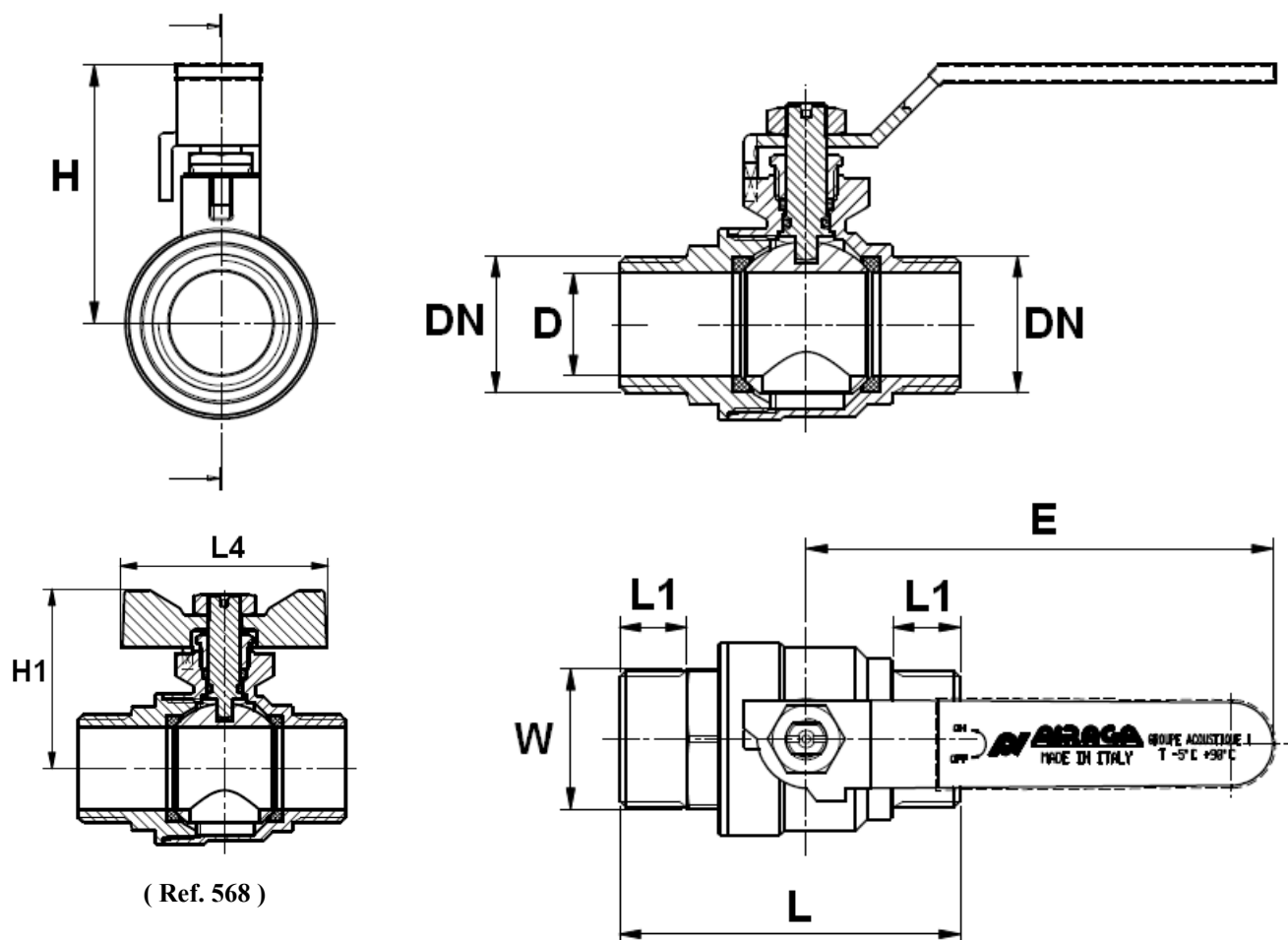


(Ref. 569)

Ref.	DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
528	Ø D	10	10	15	20	25	32	39	50
	L	49.5	49.5	56	66.5	78	91	102	119
	L1	8	8.5	10.5	12	13.5	15.5	15.5	19
	L2	9.5	10.5	11	13	15	16	17	18
	L4	50	50	50	50	60	-	-	-
569	E	80	80	90	90	115	130	130	150
	H	39.5	39.5	47	50	62.5	72	78	91
	H1	36.5	36.5	40.5	44	54.5	-	-	-
	W on flat	20	20	25	31	38	47	54	66
	W1 on flat	17	17	22	27	34	42	48	60
528	Weight (Kg)	0.13	0.13	0.2	0.29	0.5	0.77	1.03	1.9
569	Weight (Kg)	0.11	0.11	0.17	0.26	0.45	-	-	-

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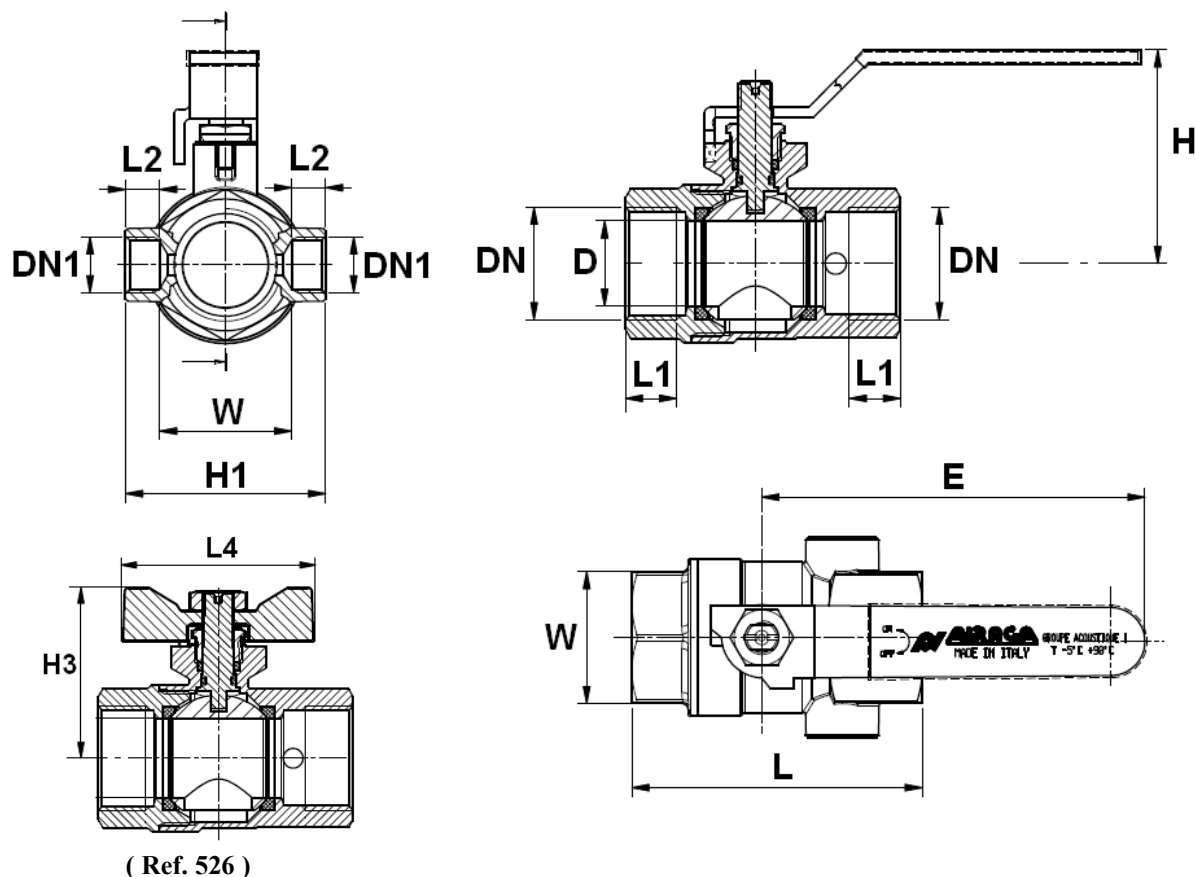
SIZE MALE / MALE TYPES (in mm) :



Ref.	DN	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
567	Ø D	10	15	20	25	32	39	50
	L	49.5	55	66	77.5	89	102	116.5
	L1	10.5	11	13	15	16	17	18
	L4	50	50	50	60	-	-	-
568	E	80	90	90	115	130	130	150
	H	39.5	46.5	50	62.5	72	78	91
	H1	36.5	40.5	44	54.5	-	-	-
	W on flat	17	22	27	34	42	48	60
567	Weight (Kg)	0.12	0.19	0.28	0.48	0.75	1.02	1.81
568	Weight (Kg)	0.11	0.16	0.25	0.43	-	-	-

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SIZE FEMALE / FEMALE WITH DRAINER VALVES (in mm) :

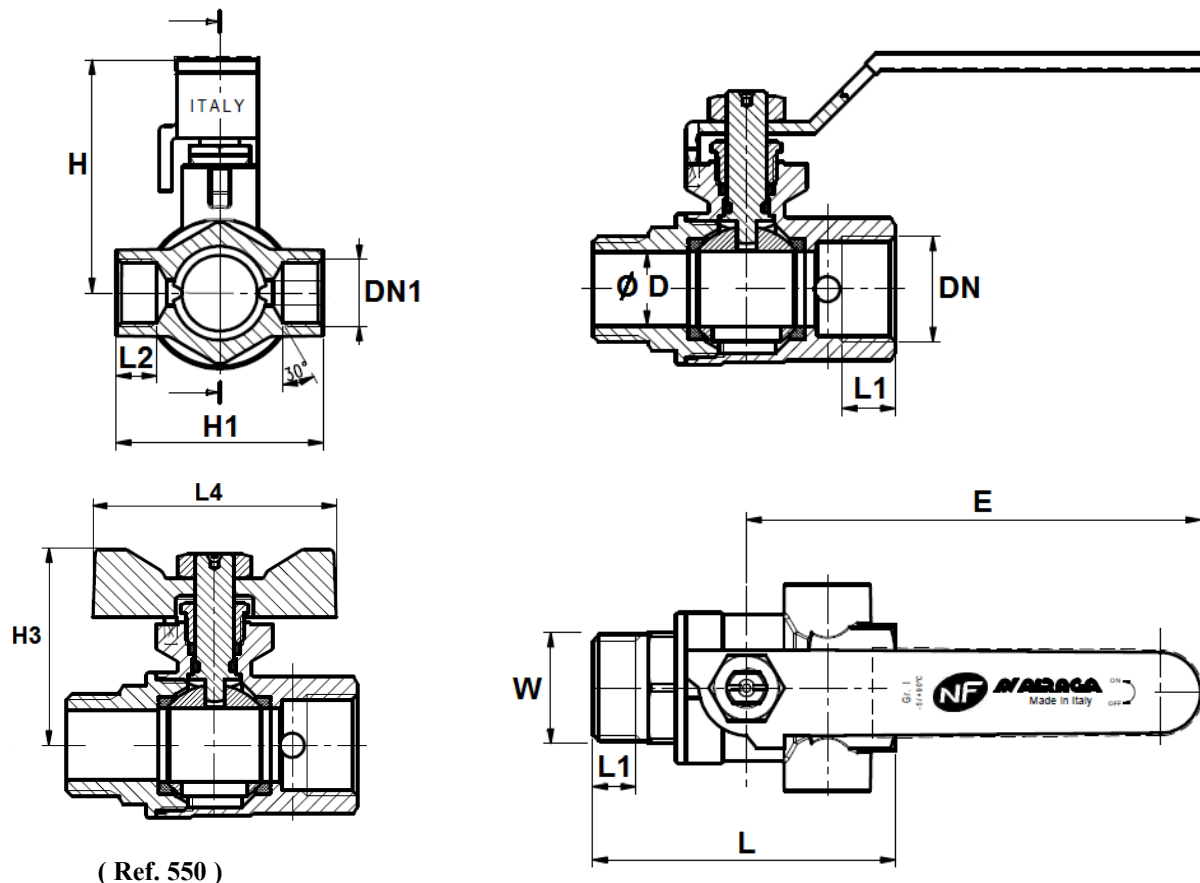


(Ref. 526)

Ref.	DN	1/2"	3/4"	1"	1"1/4	1"1/2	2"
506	DN1	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
	Ø D	15	20	25	32	40	50
	L	54.5	64.5	74	87	96.5	115.5
	L1	10.5	12	13.5	15.5	15.5	19
	L2	8	8	8	8	8	8
	L4	50	50	60	-	-	-
526	E	90	90	115	130	130	150
	H	46.5	50	62.5	72	78	90
	H1	41	47	52	63	70	83.5
	H3	40.5	44	54.5	-	-	-
	W on flat	25	31	38	47	54	66
506	Weight (Kg)	0.26	0.36	0.55	0.78	1.08	1.89
526	Weight (Kg)	0.23	0.33	0.51	-	-	-

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SIZE MALE / FEMALE WITH DRAINER VALVES (in mm) :

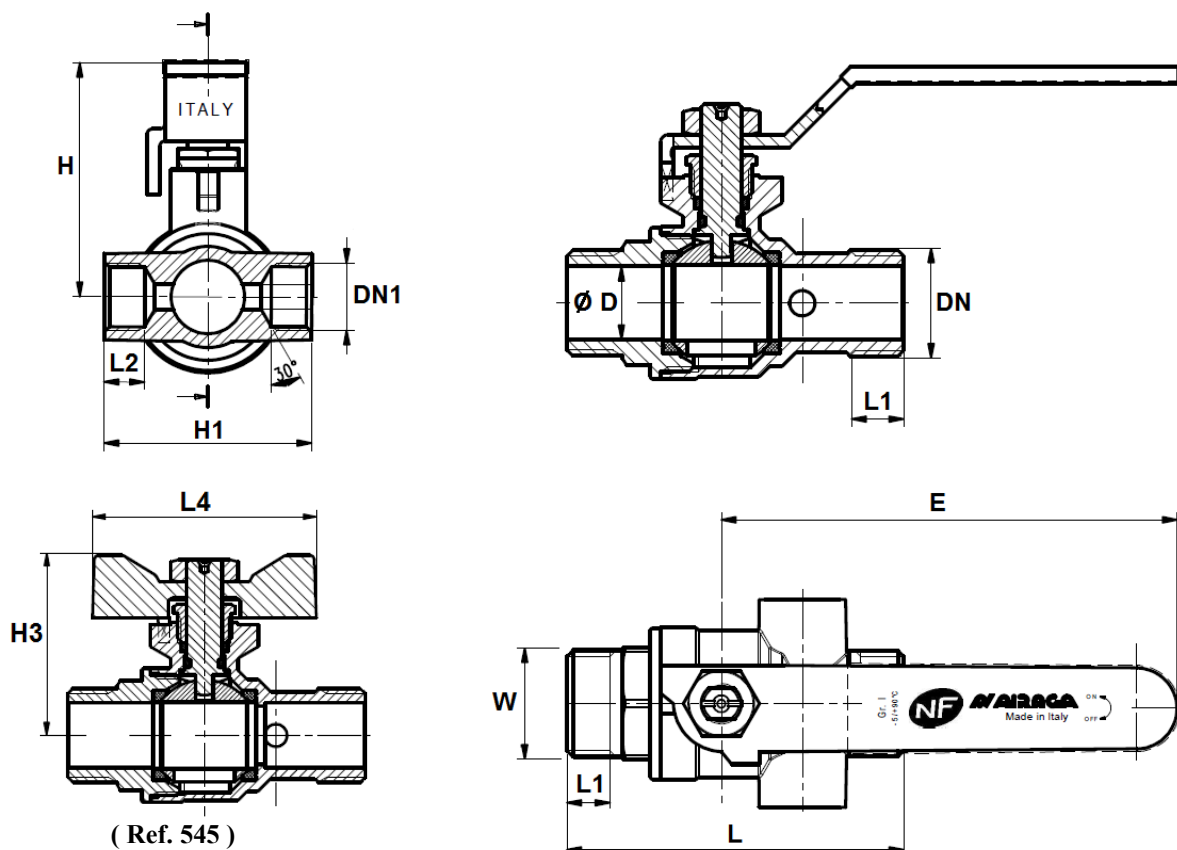


(Ref. 550)

Ref.	DN	1/2"	3/4"	1"
549	DN1	1/4"	1/4"	1/4"
	Ø D	14.5	19.5	24.5
	L	60	70	81.5
	L1	10.5	12	13.5
	L2	8	8	8
	L4	50	50	60
550	E	90	90	115
	H	46.5	50	62.5
	H1	41	47	52
	H3	40.5	44	54.5
	W on flat	22	27	34
549	Weight (Kg)	0.27	0.37	0.58
550	Weight (Kg)	0.24	0.34	0.53

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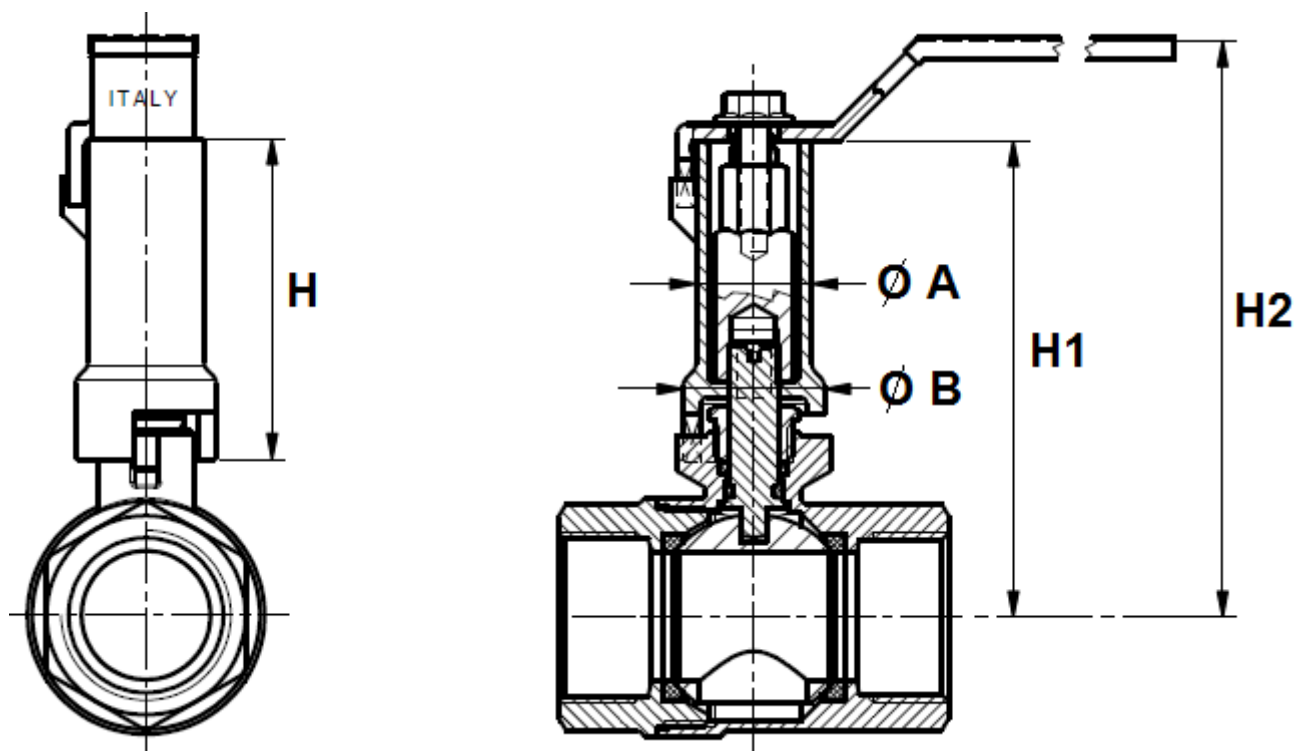
SIZE MALE / MALE WITH DRAINER VALVES (in mm) :



Ref.	DN	1/2"	3/4"	1"
544	DN1	1/4"	1/4"	1/4"
	Ø D	14.5	19.5	24.5
	L	66.5	77	89.5
	L1	11	12.5	14
	L2	8	8	8
	L4	50	50	60
545	E	90	90	115
	H	46.5	50	62.5
	H1	41	47	52
	H3	40.5	44	54.5
	W on flat	22	27	34
544	Weight (Kg)	0.27	0.36	0.57
545	Weight (Kg)	0.24	0.33	0.53

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STEM EXTENSION SIZE (in mm) :



DN	1/2"	3/4"	1"	1"1/4	1"1/2	2"
H	50	50	54	67.5	67.5	68
H1	71	74	81.5	102	108	120.5
H2	87	90	103	124	130	143
Ø A	18	18	18	24	24	30
Ø B	22	22	25.5	31	31	38
Ref.	9812321	9812321	9812322	9812323	9812323	9812324

NF DVGW BRASS BALL VALVE ACS 4MS GREEN HANDLE (506-528-544-549-567-577)**STANDARDS :**

- Manufacturer certified ISO 9001 :2015
- Fabrication according to **NF079**
- DIRECTIVE 2014/68/EU : Products excluded from directive (Article 1, § 2b)
- French water agreement **A.C.S. N° 22 ACC LY 825**
- German certification **DVGW**
- Male and Female BSPP external – internal parallel thread according to ISO 228-1

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.