



ISO 9001:2008

Size : DN 3/8" to 2"
Ends : Male, Female BSP
Min Temperature : - 10°C
Max Temperature : + 120°C
Max Pressure : 30 Bars up to DN 1"
Specifications : Fixed stem extension
PTFE packing
Full bore

Materials : Brass

BRASS BALL VALVE WITH FIXED STEM EXTENSION (REF.)

SPECIFICATIONS :

- Full bore
- Fixed stem extension
- Solid ball
- PTFE packing
- Flat steel or butterfly handle
- Marking body " 80S " with ACS, fabrication date and logo
- ACS number on the handle
- Reversible handle

USE :

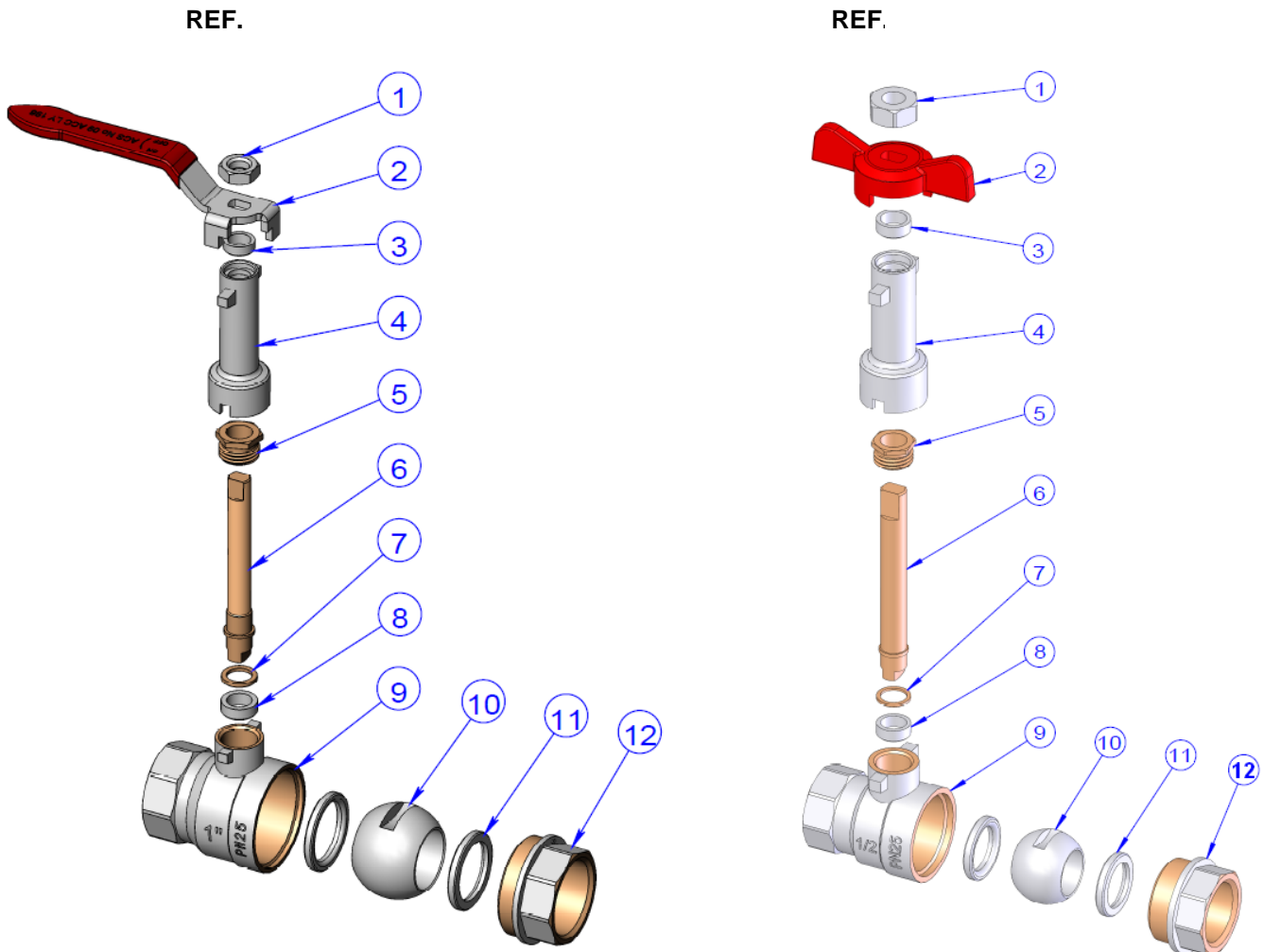
- Water distribution
- Min Temperature Ts : - 10°C
- Max Temperature Ts :+ 120°C
- Max Pressure Ps : 30 bars up to DN 1" , 20 bars for DN 1"1/4 and 1"1/2 , 16 bars for DN 2"

RANGE :

- Female / Female with red flat steel handle **Ref.** from DN 3/8" to 2"
- Female / Female with red butterfly handle **Ref.** from DN 1/2" to 3/4"
- Male / Female with red flat steel handle **Ref.** from DN 3/8" to 2"
- Male / Female with red butterfly handle **Ref.** from DN 1/2" to 3/4"

BRASS BALL VALVE WITH FIXED STEM EXTENSION (REF.)

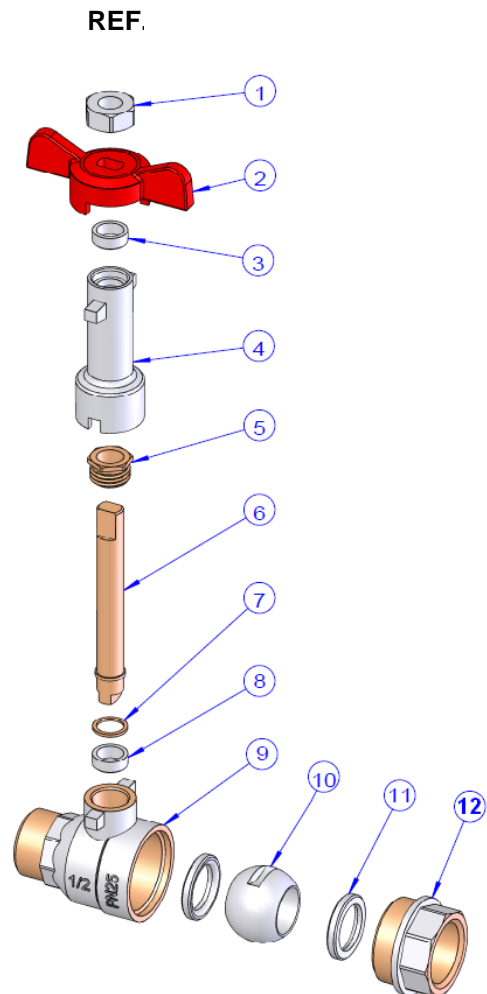
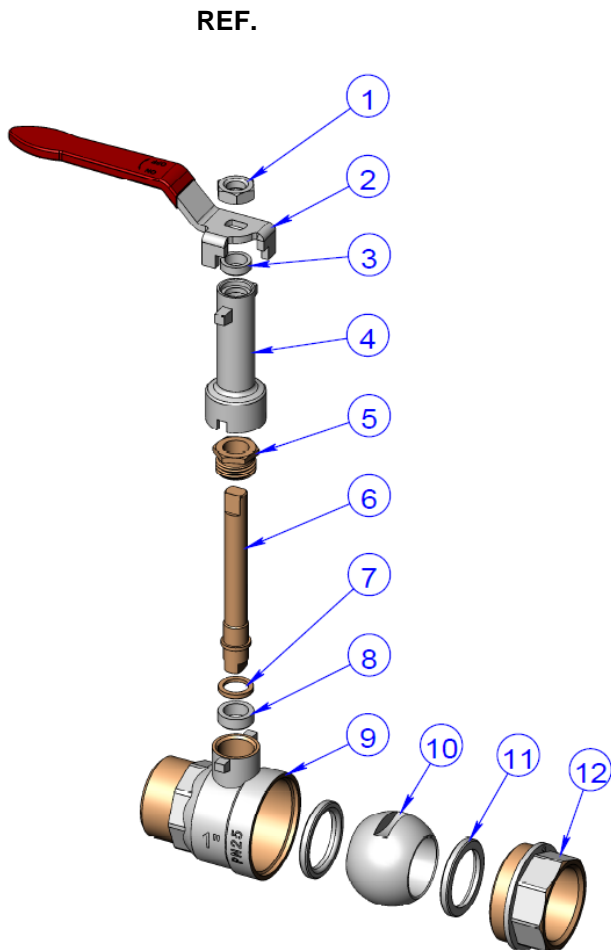
MATERIALS FEMALE – FEMALE TYPES :



Item	Designation	Materials	Materials
1	Handle nut	Steel Q235	
2	Handle	Steel Q235 with plastic cover	Aluminium
3	Ring	PTFE	
4	Stem extension	Nicked brass	
5	Packing nut	Brass	
6	Stem	Brass	
7	Ring	Brass	
8	Packing	PTFE	
9	Body (external)	Nicked brass CW	N according to EN 12165
9	Body (internal)	Brass CW	N according to EN 12165
10	Ball	Chromed brass	
11	Seat	PTFE	
12	Bonnet (external)	Nicked brass CW	N according to EN 12165
12	Bonnet (internal)	Brass CW	N according to EN 12165

BRASS BALL VALVE WITH FIXED STEM EXTENSION (REF.)

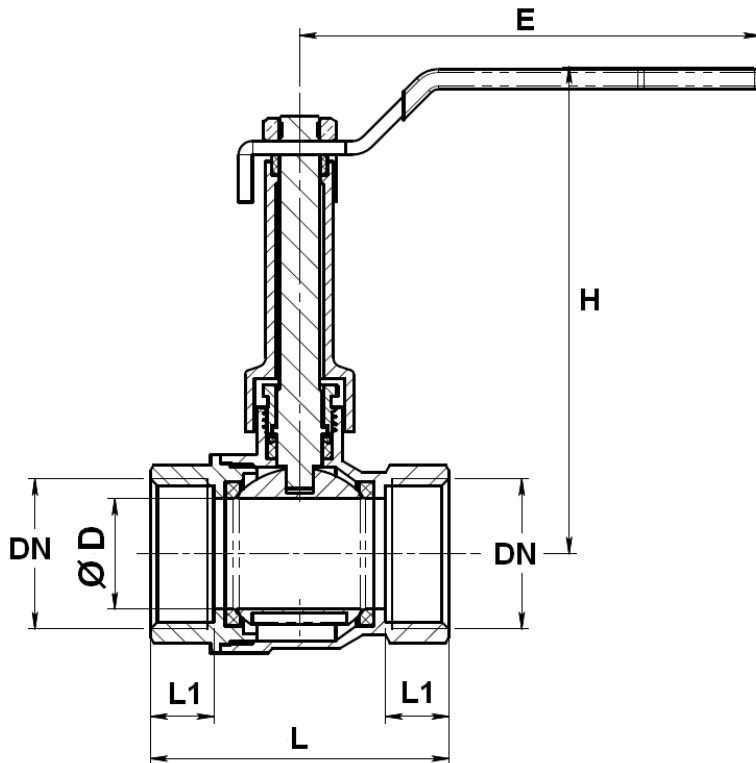
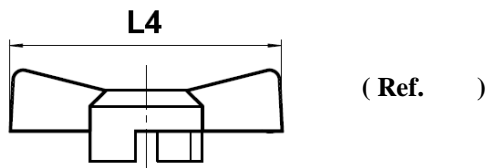
MATERIALS MALE – FEMALE TYPES :



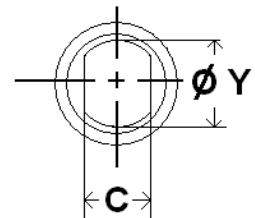
Item	Designation	Materials	Materials
1	Handle nut	Steel Q235	
2	Handle	Steel Q235 with plastic cover	Aluminium
3	Ring	PTFE	
4	Stem extension	Nicked brass	
5	Packing nut	Brass	
6	Stem	Brass	
7	Ring	Brass	
8	Packing	PTFE	
9	Body (external)	Nicked brass CW	N according to EN 12165
9	Body (internal)	Brass CW	N according to EN 12165
10	Ball	Chromed brass	
11	Seat	PTFE	
12	Bonnet (external)	Nicked brass CW	N according to EN 12165
12	Bonnet (internal)	Brass CW	N according to EN 12165

BRASS BALL VALVE WITH FIXED STEM EXTENSION (REF.)

SIZE FEMALE / FEMALE TYPES (in mm) :



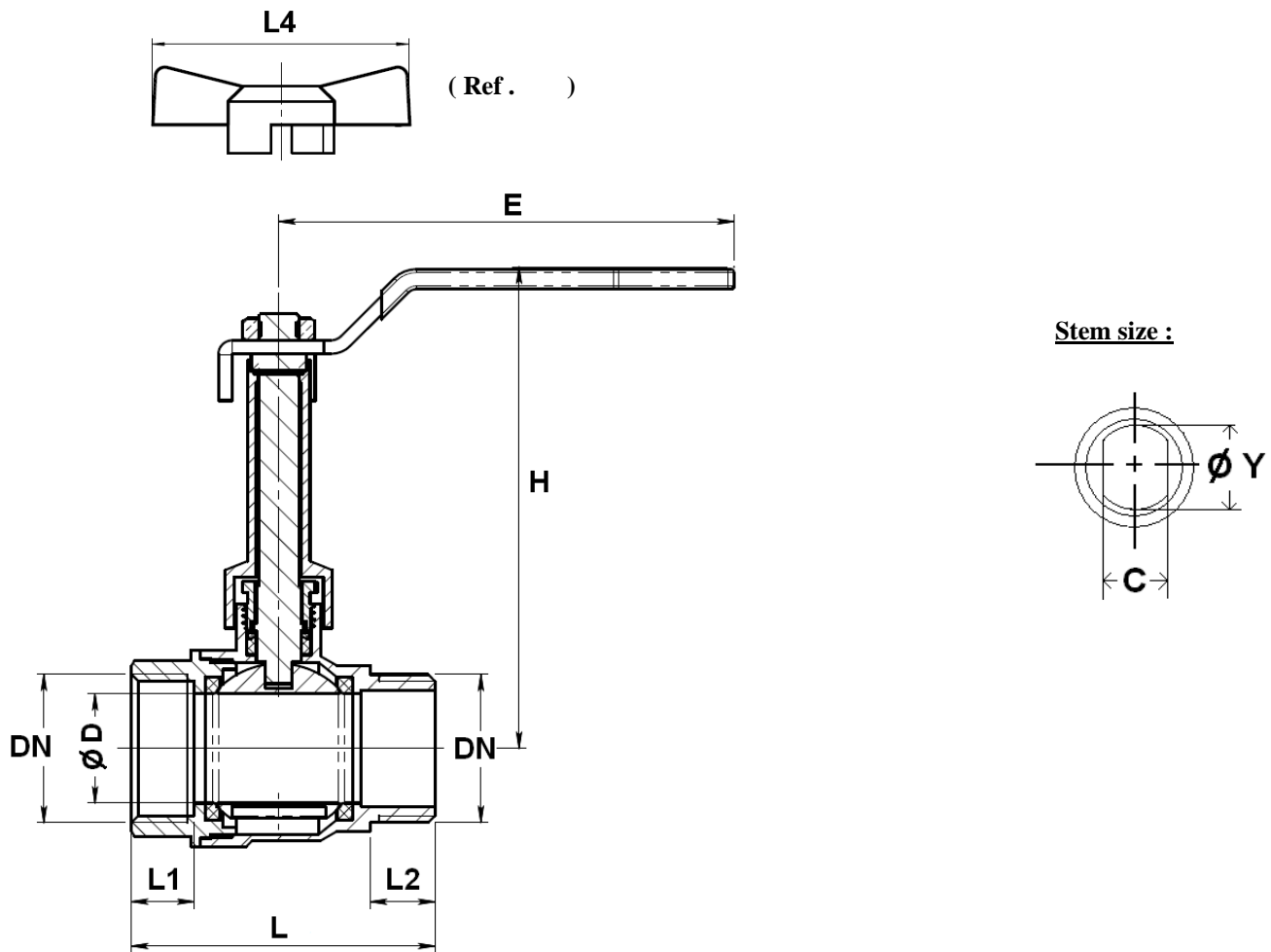
Stem size :



Ref.	DN	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
	Ø D	10	14.5	19	24.5	31	39.5	49.5
	L	44	49	56	66	76	87	103
	L1	11.5	12	13	14	15	16	18
	L4	-	52	52	-	-	-	-
	E	81.5	81.5	104	102	120	120	142
	H	83.7	84.4	88.4	107.5	127.8	134	146
	C	4.8	4.8	4.8	5.8	7.8	7.8	7.8
	Ø Y	6	8	8	9	11.5	11.8	13
	Weight (Kg)	0.175	0.233	0.307	0.468	0.729	0.978	1.527
	Weight (Kg)	-	0.233	0.307	-	-	-	-

BRASS BALL VALVE WITH FIXED STEM EXTENSION (REF.)

SIZE MALE / FEMALE TYPES (in mm) :



Ref.	DN	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
	Ø D	10	14.5	19	24.5	31	39.5	49.5
	L	45	52	60.5	68	81.5	95.5	112.5
	L1	11.5	12	13	14	15	16	18
	L2	10	10	12	14.5	15.5	16	18
	L4	-	52	52	-	-	-	-
	E	81.5	81.5	104	102	120	120	142
	H	83.7	84.4	88.4	107.5	127.8	134	146
	C	4.8	4.8	4.8	5.8	7.8	7.8	7.8
	Ø Y	6	8	8	9	11.5	11.8	13
	Weight (Kg)	0.177	0.236	0.317	0.46	0.751	1	1.573
	Weight (Kg)	-	0.236	0.317	-	-	-	-

STANDARDS :

- Fabrication according to ISO 9001 : 2008
- DIRECTIVE 97/23/CE : Products excluded from directive (Article 1, § 3.2)
- French water agreement **A.C.S. N° 14 ACC LY 469**
- Threaded male and female BSP cylindrical ends according to ISO 228-1

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

INSTALLATION INSTRUCTIONS

GENERAL GUIDELINES :

- Ensure that the valves to be used are appropriate for the conditions of the installation (type of fluid, pressure and temperature).
- Be sure to have enough valves to be able to isolate the sections of piping as well as the appropriate equipment for maintenance and repair.
- Ensure that the valves to be installed are of correct strength to be able to support the capacity of their usage.
- **Installation of all circuits should ensure that their function can be automatically tested on a regular basis (at least two times a year).**

INSTALLATION INSTRUCTIONS :

- **Before installing the valves, clean and remove any objects from the pipes** (in particular bits of sealing and metal) which could obstruct and block the valves.
- **Ensure that both connecting pipes either side of the valve (upstream and downstream) are aligned (if they're not, the valves may not work correctly).**
- **Make sure that the two sections of the pipe (upstream and downstream) match, the valve unit will not absorb any gaps. Any distortions in the pipes may affect the tightness of the connection, the working of the valve and can even cause a rupture.** To be sure, place the kit in position to ensure the assembling will work.
- Before starting the fitting, ensure that the threads and tapping are clean.
- **If sections of piping do not have their final support in place, they should be temporarily fixed. This is to avoid unnecessary strain on the valve.**
- The theoretical lengths given by ISO/R7 for the tapping are typically longer than required, the length of the thread should be limited, and **check that the end of the tube does not press right up to the head of the thread.**
- For the sealing assembly valve piping, it is essential to use products that are compatible with the requirements of the French water agreement ACS : **plumbers hemp proscribed.**
- Position the pipe clips on both sides of the valve.
- If mounting on an air conditioning with PER tubing and hoses, it is necessary to support the tubes and hoses with the fixing to avoid strain on the valve.
- When screwing the valve, ensure that you only rotate on screwed side by the 6 ended side. Use an open ended spanner or an adjustable spanner and not a monkey wrench.
- **Never use a vice to tighten the fixings of the valve.**
- Do not over tighten the valve. Do not block with any extensions as it may cause a rupture or weakening of the casing.
- **In general, for all valves used in buildings and heating, do not tighten above a torque of 30 Nm.**

The advice and assembly instructions above do not conform to any guarantee.
The information is given in general. It states what must not and must be done.
It is provided to ensure the safety of the personnel and the reliability of the valves.
The instructions in bold must be followed.