

**BRASS BIBCOCK VALVES PN16**



**Size :** DN 1/2" to 1"  
**Ends :** Male, hose coupling  
**Min Temperature :** + 0°C  
**Max Temperature :** + 60°C  
**Max Pressure :** 16 Bars  
**Specifications :** With hose coupling  
With manifold ( excepted Ref.682 )  
Flat steel handle, brass handle or key lever

**Materials :** Brass

## BRASS BIBCOCK VALVES PN16

### SPECIFICATIONS :

- With hose coupling
- With manifold ( Excepted for Ref.682 )
- Solid ball
- PTFE packing ( Excepted for Ref.680 )
- Red flat steel handle, brass handle or key lever

### USE :

- Water distribution
- Min Temperature Ts : + 0°C
- Max Temperature Ts :+ 60°C
- Max Pressure Ps : 16 Bars

### RANGE :

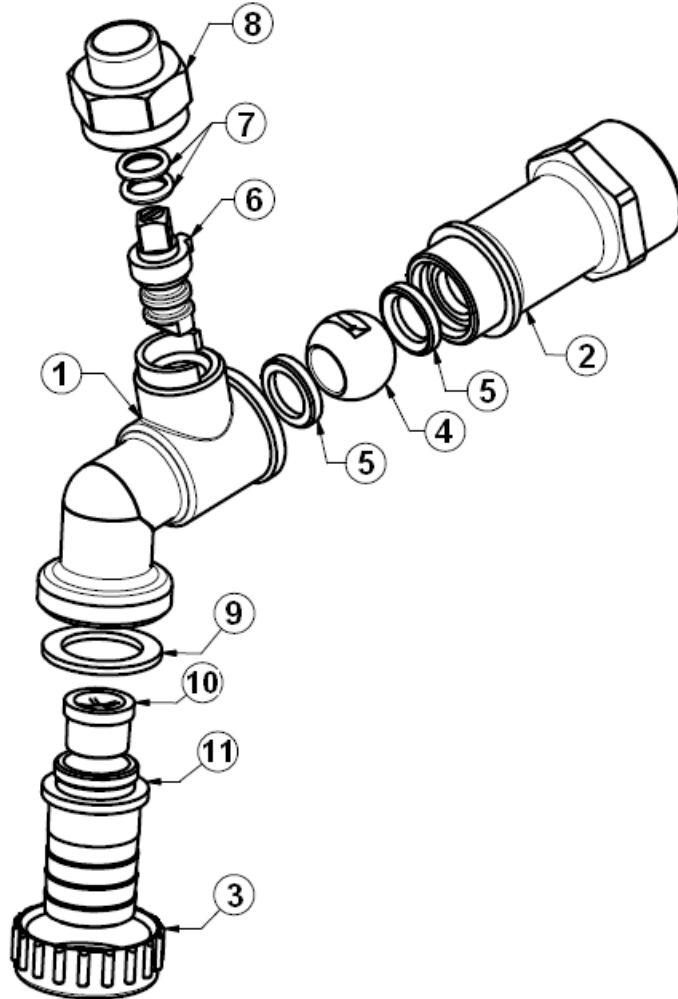
- Nickered brass body bibcock valve BSP threaded with hose coupling and key lever **Ref. 680** from DN1/2" to 3/4"
- Key for key lever bibcock ( 6 mm square ) **Ref. 9810401**
- Brass body bibcock valve BSP threaded with hose coupling and brass handle 2/3-1/3 **Ref. 681** DN 1/2"-3/4"
- Brass body bibcock valve BSP threaded with hose coupling and red flat steel handle **Ref. 682** from DN1/2" to 1"



- Locking device SFERALOCKING (without valve) **Ref. 9810404** ( only for Ref.681 and 682 DN 1/2" )
- Passkey for locking device SFERALOCKING **Ref. 9810403**

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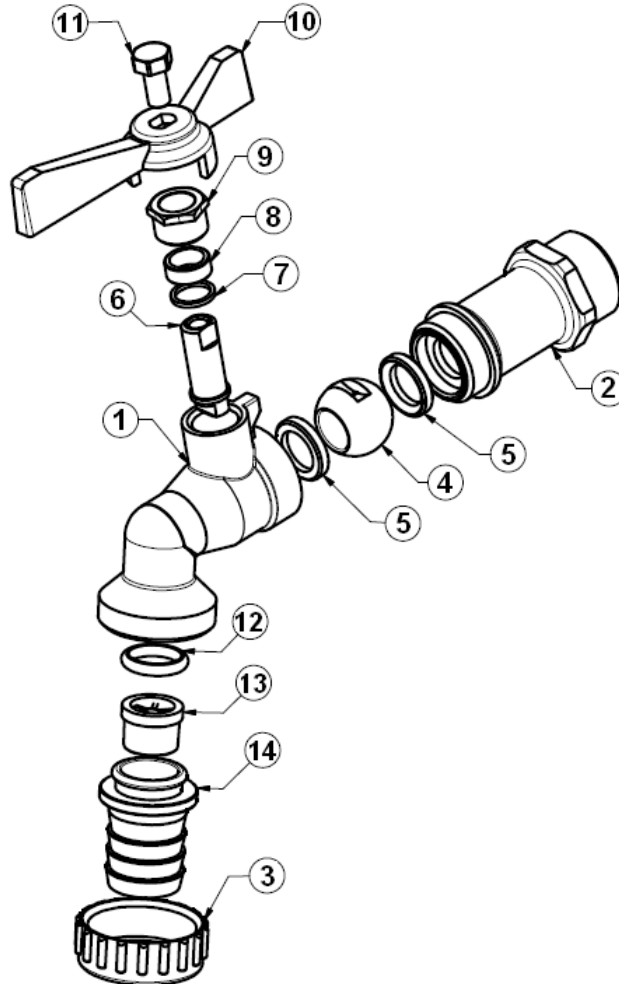
**MATERIALS BIBCOCK VALVE WITH KEY LEVER REF.680 :**



| Item | Designation   | Materials Ref.680                              |
|------|---------------|--|
| 1    | Body          | Brass CW 617 N according to EN 12165 nickerled |
| 2    | Nipple        | Brass CW 617 N according to EN 12165 nickerled |
| 3    | Nut           | Brass CW 617 N according to EN 12165 nickerled |
| 4    | Ball          | Brass CW 617 N according to EN 12165 chromed   |
| 5    | Seat          | PTFE   |
| 6    | Stem          | Brass CW 614 N according to EN 12164           |
| 7    | O ring        | NBR  |
| 8    | Key lever     | Brass CW 614 N according to EN 12164 nickerled |
| 9    | Gasket        | NBR  |
| 10   | Manifold      | Polypropylene                                  |
| 11   | Hose coupling | Brass CW 614 N according to EN 12164 nickerled |

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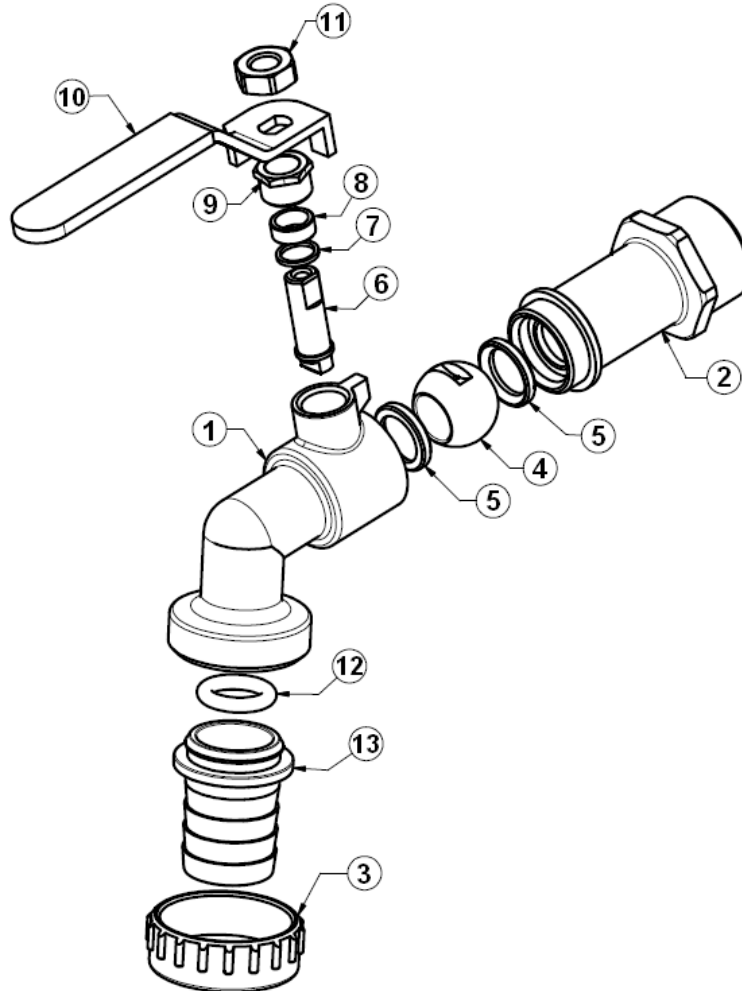
**MATERIALS BIBCOCK VALVE WITH BRASS HANDLE REF.681 :**



| Item | Designation   | Materials Ref.681                            |
|------|---------------|--|
| 1    | Body          | Brass CW 617 N according to EN 12165         |
| 2    | Nipple        | Brass CW 617 N according to EN 12165         |
| 3    | Nut           | Brass CW 617 N according to EN 12165         |
| 4    | Ball          | Brass CW 617 N according to EN 12165 chromed |
| 5    | Seat          | PTFE   |
| 6    | Stem          | Brass CW 614 N according to EN 12164         |
| 7    | Ring          | Brass CW 614 N according to EN 12164         |
| 8    | Packing       | PTFE   |
| 9    | Packing nut   | Brass CW 614 N according to EN 12164         |
| 10   | Handle        | Brass  |
| 11   | Handle screw  | Brass  |
| 12   | Gasket        | NBR  |
| 13   | Manifold      | Polypropylene                                |
| 14   | Hose coupling | Brass CW 614 N according to EN 12164         |

## BRASS BIBCOCK VALVES PN16

MATERIALS BIBCOCK VALVE WITH FLAT STEEL HANDLE REF.682 :



| Item | Designation   | Materials Ref.682                            |
|------|---------------|--|
| 1    | Body          | Brass CW 617 N according to EN 12165         |
| 2    | Nipple        | Brass CW 617 N according to EN 12165         |
| 3    | Nut           | Brass CW 617 N according to EN 12165         |
| 4    | Ball          | Brass CW 617 N according to EN 12165 chromed |
| 5    | Seat          | PTFE   |
| 6    | Stem          | Brass CW 614 N according to EN 12164         |
| 7    | Ring          | Brass CW 614 N according to EN 12164         |
| 8    | Packing       | PTFE   |
| 9    | Packing nut   | Brass CW 614 N according to EN 12164         |
| 10   | Handle        | Steel  |
| 11   | Handle nut    | Galvanized steel UNI 5589                    |
| 12   | Gasket        | NBR  |
| 13   | Hose coupling | Brass CW 614 N according to EN 12164         |

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Date : 09/14

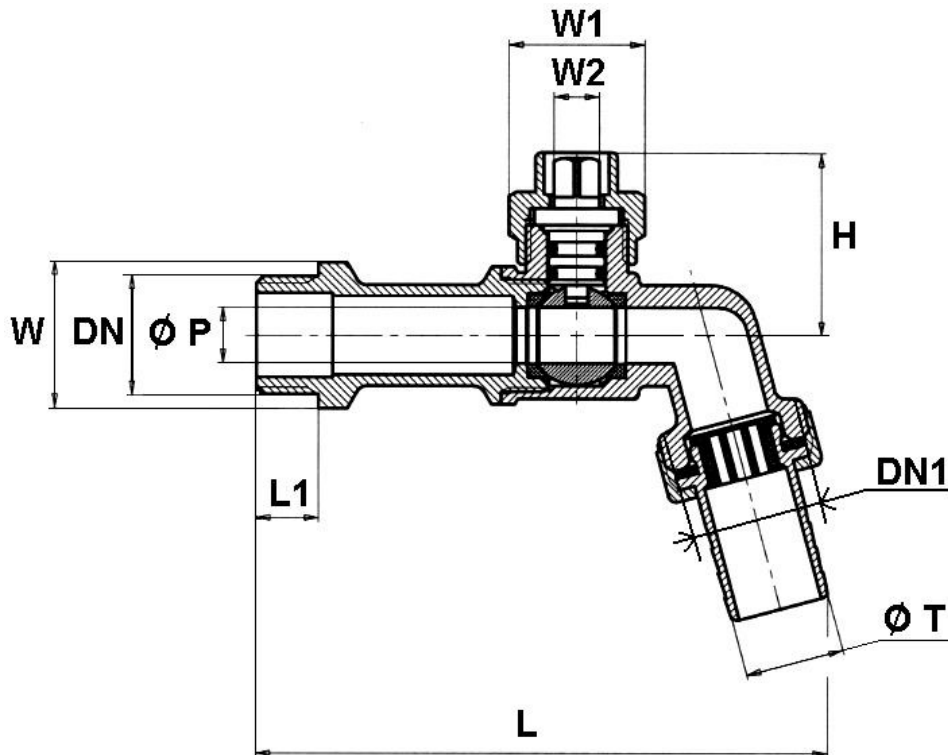
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Rev.03

Information provided as an indication and subject to possible modification

**BRASS BIBCOCK VALVES PN16**

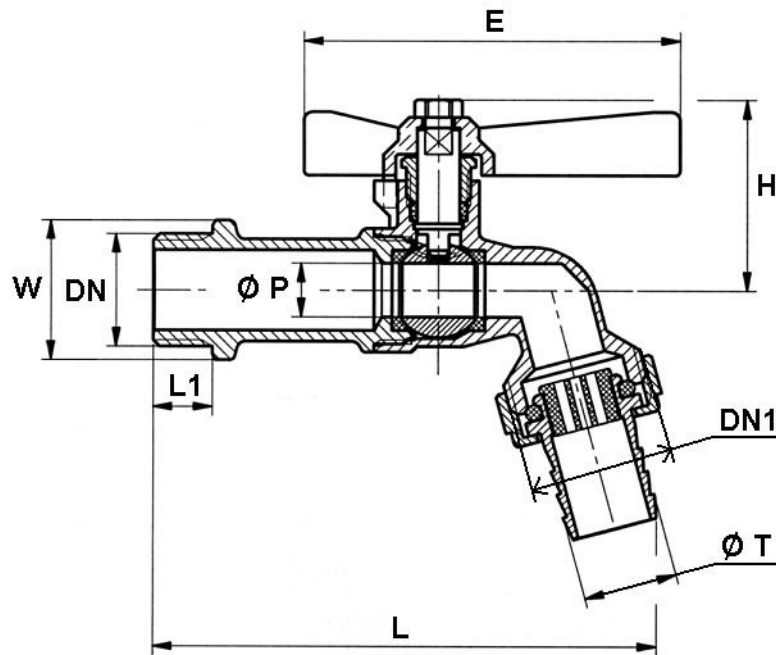
SIZE BIBCOCK VALVE WITH KEY LEVER REF.680 ( in mm ) :



| Ref. | DN             | 1/2"  | 3/4"  |
|------|----------------|-------|-------|
| 680  | DN1            | 3/4"  | 3/4"  |
|      | Ø T            | 19    | 19    |
|      | Ø P            | 10    | 12    |
|      | L              | 101   | 102   |
|      | L1             | 11    | 12    |
|      | H              | 33    | 33    |
|      | W ( on flat )  | 24    | 27    |
|      | W1 ( on flat ) | 21    | 21    |
|      | W2 ( on flat ) | 6     | 6     |
|      | Weight ( Kg )  | 0.246 | 0.264 |

**BRASS BIBCOCK VALVES PN16**

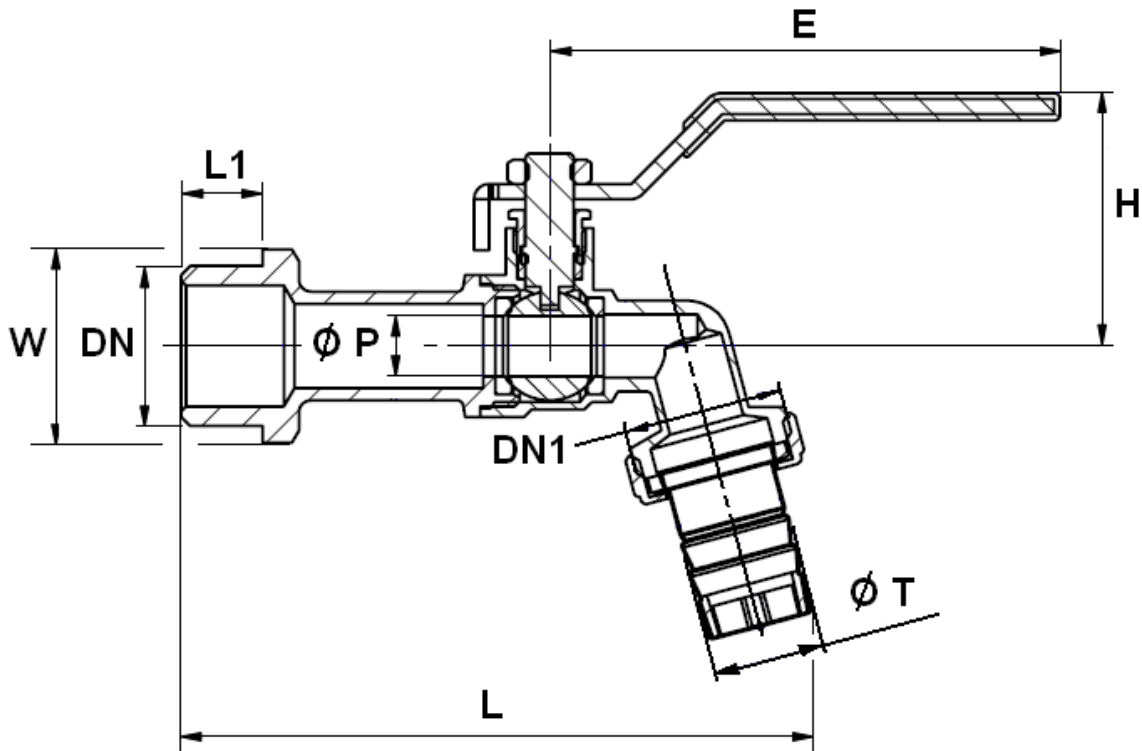
**SIZE BIBCOCK VALVE WITH BRASS HANDLE REF.681 ( in mm ) :**



| Ref. | DN            | 1/2"  |
|------|---------------|-------|
| 681  | DN1           | 3/4"  |
|      | Ø T           | 17    |
|      | Ø P           | 10    |
|      | L             | 90.5  |
|      | L1            | 11    |
|      | E             | 70    |
|      | H             | 35    |
|      | W ( on flat ) | 24    |
|      | Weight ( Kg ) | 0.223 |

**BRASS BIBCOCK VALVES PN16**

SIZE BIBCOCK VALVE WITH FLAT STEEL HANDLE REF.682 ( in mm ) :



| Ref. | DN            | 1/2"  | 1/2"  | 3/4"  | 3/4"  | 1"    |
|------|---------------|-------|-------|-------|-------|-------|
| 682  | DN1           | 3/4"  | 3/4"  | 3/4"  | 1"    | 1"1/4 |
|      | Ø T           | 15    | 17    | 19    | 22    | 26    |
|      | Ø P           | 10    | 10    | 12    | 12    | 15    |
|      | L             | 89.5  | 89.5  | 117.5 | 117.5 | 143.5 |
|      | L1            | 11.5  | 11.5  | 13    | 14    | 15    |
|      | E             | 82    | 82    | 90    | 82    | 82    |
|      | H             | 38    | 38    | 43    | 40    | 44    |
|      | W ( on flat ) | 24    | 24    | 29    | 29    | 36    |
|      | Weight ( Kg ) | 0.202 | 0.219 | 0.333 | 0.324 | 0.585 |



**BRASS BIBCOCK VALVES PN16****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° 13 ACC LY 152 ( Only for Ref. 681 and 682 )**
- Male BSP cylindrical threaded 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.

## **BRASS BIBCOCK VALVES PN16**

### **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.