

## INSTALLATION OPERATING MANUAL BRASS FITTINGS FOR PE PIPES

4MS Brass fittings for PE pipes , polyethylene piping system for drinking water and water distribution.  
NBR o-ring for a perfect tightness.  
Installation on pipe without dismantling coupling.



**Size :** DN20 to DN90  
**Connection :** Female, Male for PE pipes  
**Min Temperature :** +4°C  
**Max Temperature :** +40°C  
**Max Pressure :** 16 Bars up to DN63 (10 bars over)  
**Specifications :** Brass fittings for PE pipes  
NBR o-ring  
Installation on pipe without dismantling coupling

**Materials :** Brass CW617N-4MS according to EN 12165

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

## INSTALLATION OPERATING MANUAL BRASS FITTINGS FOR PE PIPES

### SPECIFICATIONS :

- 4MS brass coupling for external tightening
- NBR gasket
- Installation on pipe without dismantling the coupling

### USE :

- Water distribution
- Water with glycol up to 30%
- Min and max Temperature Ts : + 4°C to + 40°C
- Max Pressure Ps : 16 bars up to DN63 , 10 bars over

### RANGE :

#### FOR PE PIPES :

- Female coupling **Ref.810** from DN 1/2"-D.20 to DN 3"-D.90
- Male coupling **Ref.811** from DN 1/2"-D.20 to DN 3"-D.90
- Double connection coupling **Ref.813** from DN 20 to DN 90
- T coupling **Ref.814** from DN 20 to DN 90
- T male/female coupling **Ref.815** DN 20-1/2"M to DN 90-3"M
- L double connection coupling **Ref.816** from DN 20 to DN 90
- L male coupling **Ref.817** from DN 1/2"-D.20 to DN 3"-D.90
- L female coupling **Ref.818** from DN1/2"-D.20 to 2"-D.63
- L female brass coupling with wall fixation **Ref.819** from DN 1/2"-D.20 to DN 3/4"-D.25
- 135° angle elbow connection coupling **Ref.820** from DN25 to DN63
- Long double connection coupling **Ref.807** from D.25 to D.50
- Free nut coupling **Ref.806** from DN 3/4"-D.20 to DN 1"-D.32

#### FOR STEEL PIPES :

- Female straight coupling **Ref.890** from D.21 to D.49
- Male straight coupling **Ref.891** from D.21 to D.49



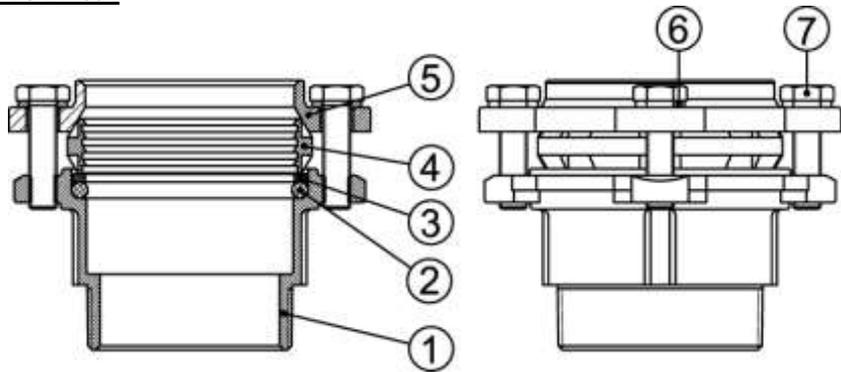
**INSTALLATION OPERATING MANUAL BRASS FITTINGS FOR PE PIPES**

**MATERIALS FROM DN20 TO 63 :**



Item	Designation	Materials
1	Coupling	Brass CW617N-4MS according to EN 12165
2	O ring	NBR
3	Tightening ring	Brass
4	Ring	
5	Nut	Brass CW617N-4MS according to EN 12165

**MATERIALS FROM DN 75 TO DN 90 :**



Item	Designation	Materials
1	Coupling	Brass CW 617 N according to EN 12165
2	O ring	NBR
3	Tightening ring	A3
4	Ring	Brass
5	Nut	Brass CW 617 N according to EN 12165
6	Washer	AISI 304
7	Screw	

**INSTALLATION OPERATING MANUAL BRASS FITTINGS FOR PE PIPES**

**INSTALLATION INSTRUCTIONS :**

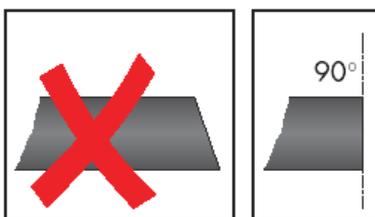
**GENERAL GUIDELINES :**

- Ensure that the fittings to be used are appropriate for the conditions of the installation (type of fluid, pressure and temperature).

**INSTALLATION INSTRUCTIONS :**

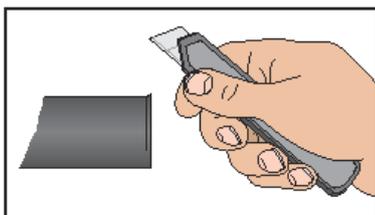
- **Before installing the fittings, clean and remove any objects from the pipes** (in particular bits of sealing and metal) which could obstruct and block the valves.
- Before starting the fitting, ensure that the threads and tapping are clean.
- The theoretical lengths given by ISO/R7 for the tapping 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 fitting piping, it is essential to use products that are compatible with the requirements of the French water agreement ACS : **plumbers hemp proscribed.**
- When screwing the fitting, 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.
- Do not over tighten the fitting. Do not block with any extensions as it may cause a rupture or weakening of the casing.
- **In general, for all fittings used in buildings and heating, do not tighten above a torque of 30 Nm.**

**Preparation of the pipe**



Do not cut at an angle

Cut at 90°



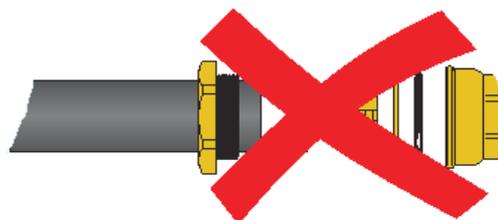
Remove any external burrs

**Instructions for the correct assembly of couplings**



**do**

Insert the pipe into the coupling with the nut slackened.



**do not**

Dismantle the coupling and slide the various components onto the pipe.

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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.

**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.

### **STANDARDS :**

- Manufacturer certified ISO 9001 : 2015 et ISO 14001 : 2015
- Designing according to DIN 8076-1
- Directive 2014/68/EU : Products excluded from directive ( Article 1, § 2b )
- French water agreement **A.C.S. N° 23 ACC LY 487**
- Threaded male and female BSP cylindrical ends according to ISO 228-1