

TRANSPARENT PUSH FITTINGS **16MM PEX PIPE** **INSTALLATION MANUAL**

1. INTRODUCTION

Please read this manual before using the product so that installation is done safely and in accordance with the specifications.

2. PIPES SIZE

ATTENTION:

Required pipe size for proper installation:

Pipes PEX-A, PEX-C, PE-RT:
 $\varnothing_{\text{ext}} 16^{(+0,3/-0,1)}$ mm. - thickness $2 \pm 0,05$ mm

ATTENTION:

Sample checking of the dimensions and roughness of the pipe is always necessary before the installation.

3. INSTALLATION

The product should be installed only by experienced staff and in accordance with the following instructions.

3.1 CONNECTION OF THE FITTING TO THE MANIFOLD



Installation of the fitting on the manifold bar is done by G1/2" gas thread which the fitting is equipped with. Bring an Allen wrench (CH 10), insert it inside the fitting until it fits into the wrench cut. To ensure a fluidic tightness on the manifold bar, screw the fitting clockwise until it comes to a stop.

Apply a maximum tightening value of 5-6 Nm.

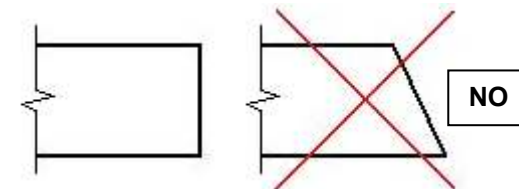
ATTENTION:

Never exceed the tightening values of the fitting on the manifold so as not to cause damage to the thread or to the fitting itself.

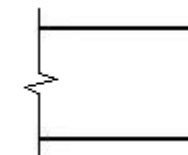
3.2 PIPE CONNECTION

Perform the following steps in succession:

- Cut the pipe perpendicularly to the axis using a pipe cutter (see picture #1):



- Make a chamfer on the outer diameter of the pipe, by using a countersink tool (see picture 2), in order to make it easier pushing the pipe into the connector and to prevent any o-ring damage during the connections;



- Push the pipe into the quick fitting connector until it stops and the metal clamp is hooked (see picture No. 3).

Insertion force < 100N

ATTENTION:

Once the installation is completed, it is recommended to test the system with compressed air at a minimum of 6 bar for 24 hours and then with water at 6 bar for 3 days.

3.3 DISCONNECTION OF THE PIPE

Please perform the following steps to disconnect the pipe:

- Remove the lock clip with a screwdriver (see picture no.4/5).
- Disconnect the transparent cap (see picture no.6).
- Take the grab ring out of the pipe using cutting nippers (see picture no.7)
- Remove the two O-ring and the spacer;
- Place the spare parts into the fitting following this order:
 1. Grab ring, with the teeth bent upward in the body of the fitting (see picture no. 8)
 2. Spacer;
 3. Two O-ring, lubricated with silicone grease.



- Close the transparent cap, insert the lock clip and check the presence of the body O-ring.(see picture #9-10).

3.4 RECOMMENDED TOOLS

PIPE CUTTER:

Pipe cutter \varnothing_{ext} 16



Picture n°1

CALBRATOR/COUNTERSINK

PEX – \varnothing_{ext} 16



Picture n°2



Picture n°3

SCREWDRIVER:



Picture n°4



Picture n°5

Wire cutting nippers:



Picture n°6



Picture n°7



Picture n°8



Picture°9



Picture n°10

3.5 GENERAL WARNINGS

Immediately suspend the installation if:

- ☐ The pipe insertion is not smooth;
- ☐ The insertion forces are not within the indicated ranges;
- ☐ The fitting does not screw onto the manifold bar;
- ☐ The fitting does not have the o-ring in the groove close to the thread.

4. MAINTENANCE

Once installed, the product does not require any maintenance, unless the pipe needs to be disconnected.

ATTENTION:

If it is necessary to disassemble the fittings, it has to be done only in the presence of authorized and qualified staff.