

Ozzone Boy Installation Manual

CW,CZ TYPE

e-Ring method
φ6.35~φ9.52

Leverage-Ring method
φ12.7~φ38.1

Fitting For New refrigerant R407C, R410A

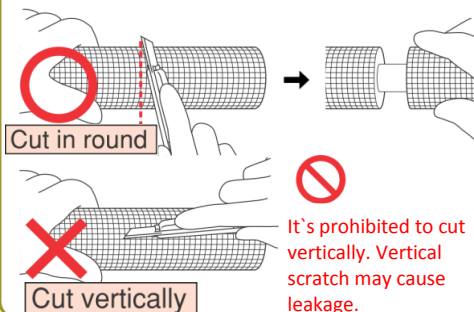


Installer must apply for Standard installation Guidance.

Please read through this Installation Manual before installing.

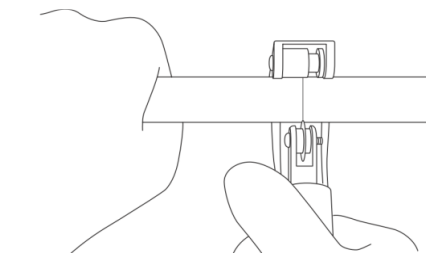
1. Cutting of insulated material for pipes

Cut the insulated material where will be inserted to fitting with care of not to be scratched.



2. Cutting the pipe

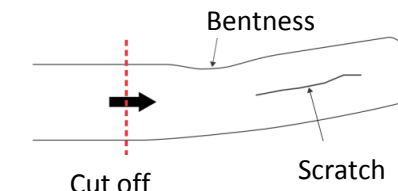
Cut the pipe on square with Roller cutter.



! Cut the pipe carefully to avoid the deformation.

3. Checking the pipe appearance

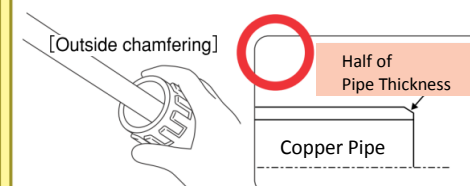
Cut off the deficit part of the pipe where will be inserted to the fitting.



The allowable range of bentness and/or flattened pipe is to get inserted to the fitting smoothly.

4. Chamfering the pipe end

Chamfer the pipe end both inside and outside.



Notice

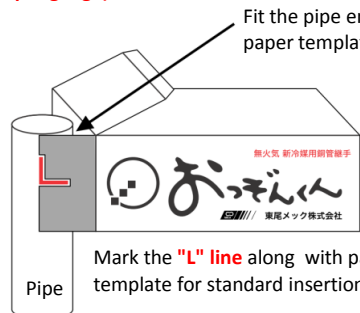
Inside chamfering is necessary to ensure the flow rate.
O-ring might be damaged and cause leakage without chamfering the outside end.

5. Marking on the pipe

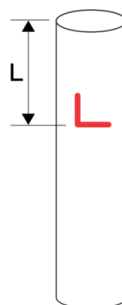
(Depth gauge)

IMPORTANT

Fit the pipe end into paper template end.



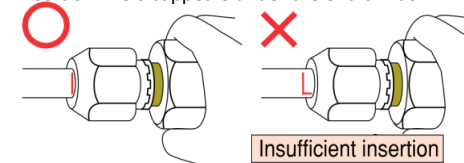
Mark the "L" line along with paper template for standard insertion line.



Pipe size	Position =L (mm)
6.35	23.0
9.52	23.0
12.7	42.0
15.88	42.0
19.05	42.0
22.22	46.0
25.4	46.0
28.58	49.0
31.75	49.0
38.1	51.5

6. Insertion of Pipe

Insert the pipe straight until the Standard insertion line disappears under the end of nut.



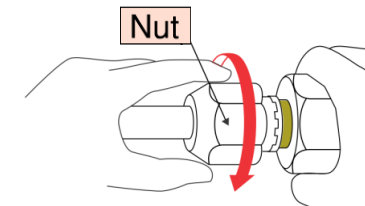
! The axis line needs to be straight.



Please do not tighten the Nut before pipe insertion.

7. Manual tightening of Nut

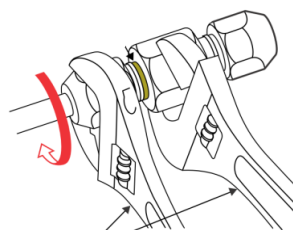
Grab the fitting body and turn the Nut by hand in the direction of the arrow.



Manual tightening of Nut will be completed within one rotation.

8. Tightening of Nut using Wrench

The work will be completed when you confirm the green indicator disappears in the Nut.



The tightening torque will raise gradually.
Please make sure to tighten the nut till the end.

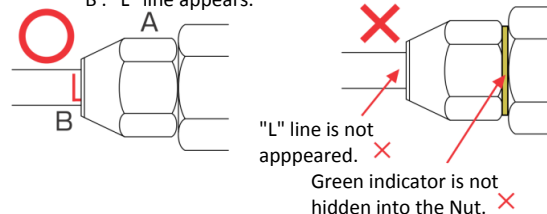
Caution

The pipe might be pulled out when tightening is not completed.

9. Checking the completion

A : Green indicator disappears.

B : "L" line appears.



10. Air tightness test

Please organize the air tightness test in accordance with the manual that equipment manufacturer supplied.

11. Insulation procedure is printed in overside.

Caution with Brazing

The heat from brazing may damage the rubber parts inside of the fitting. When brazing near the fitting, please set more than 20cm apart and prevent the heat conduction with wet cloth.



Leakage may happen when connected to the bended part with the bending machine. Please do not use at the point.

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Prohibited matter

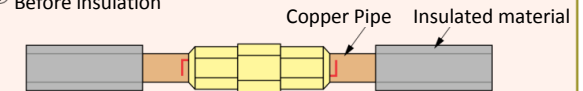
Name _____

Year _____ Month _____ Date _____

	 Prohibited matter	Reason	Self Check
I	Cutting the insulated material vertically	Scratched pipe may cause leakage	
II	Dis-chamfering of the pipe end	Scratched O-ring may cause leakage	
III	Inserting the pipe without Standard Insertion line	Inserted depth cannot be confirmed and it may cause leakage	
IV	Un-checking of the Green Indicator hidden	Product performance cannot be secured and it may cause pipe pull out	
V	Un-checking of the Standard Insertion line after inserting	Standard installation is not completed and it may cause leakage or pipe pull out	
VI	Disassembling of the fitting	Product performance cannot be exerted and it may cause leakage or pipe pull out	
VII	Reuse of the fitting	Product performance cannot be exerted and it may cause leakage or pipe pull out	

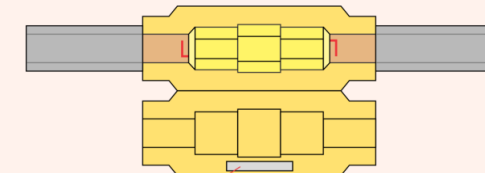
11. Insulation procedure

① Before insulation



② Set of Insulated Material

- Make sure there is no clearance between fitting insulator and pipe insulator.
- Peel the release paper and roll the fitting.



Release paper



③ Hold up the fitting insulator and pipe insulator with insulating tape or sheet.



Notice: The thickness of the insulator is 20mm. Even if the thickness of the pipe insulator is 10mm, we recommend to use 20mm fitting insulator for the safety.