PRECAUTIONS FOR SAFETY

- Please read "PRECAUTIONS FOR SAFETY" described in the Installation Manual of Super Modular Multi System outdoor unit.
- For piping material and size of the refrigerant pipes, refer to the Installation Manual of Super Modular Multi System outdoor unit.
- Installation work must be carried out by following this installation manual and using exclusive tools and pipes for the new refrigerant (R410A).
- Ask an authorized dealer or qualified installation professional to install this product.
- The parts shown in the lower right table are included in this package. Check these parts.

1. CONNECTING METHOD

- Select the socket (No. in C) fitting to the pipe diameter connected to the indoor unit.
- After cutting the pipe, be sure to remove the burrs and polish the end surface. When some squash or deformation occurs, improve the pipe insertion condition by using the flare tool.
- Confirm whether no dust, water, foreign matters exists on the branching joint and the socket to be inserted.

CAUTION

- When brazing the refrigerant pipes, be sure to put the nitrogen first to prevent from oxidizing the inner pipe. If not, the oxidation scale brings the refrigerant cycle clogging and result in malfunction.
- Use the brand new pipe for the refrigerant pipe, and prevent from water and dust when installing.

- Install the branching header so that it branches horizontally.

- Supporting branching header
After heat insulators are applied to the branching pipes, set some hanging metals (locally procured) as support.

PARTS LIST

<table>
<thead>
<tr>
<th>Socket</th>
<th>Diameter of each pipe</th>
<th>Branching header</th>
<th>Heading pipe</th>
<th>Heat insulator (locally procured)</th>
<th>Heat insulator for pipe (locally procured)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø3/8&quot;</td>
<td>Ø5/8&quot;</td>
<td>1pc</td>
<td>1pc</td>
<td>8pcs</td>
<td>1pc</td>
</tr>
<tr>
<td>Ø1/2&quot;</td>
<td>Ø5/8&quot;</td>
<td>1pc</td>
<td>1pc</td>
<td>7pcs</td>
<td>1pc</td>
</tr>
<tr>
<td>Ø11/8&quot;</td>
<td>Ø7/8&quot;</td>
<td>1pc</td>
<td>1pc</td>
<td>7pcs</td>
<td>1pc</td>
</tr>
<tr>
<td>Ø1&quot;</td>
<td>Ø7/8&quot;</td>
<td>1pc</td>
<td>1pc</td>
<td>7pcs</td>
<td>1pc</td>
</tr>
<tr>
<td>Ø11/4&quot;</td>
<td>Ø7/8&quot;</td>
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<td>1pc</td>
<td>7pcs</td>
<td>1pc</td>
</tr>
</tbody>
</table>

2. HEAT INSULATING METHOD

- In order to prevent dripping condensation, do not leave any gap between heat insulator for branching joint (included in package) and heat insulator for pipe (locally procured). And then, wrap the seam with heat insulators with thickness of 0.4" or more (locally procured).
- Use heat insulators with heat resistance of 248 °F or more for the gas side pipes.

CAUTION

Condensation may occur on the heat insulator according to the atmosphere of the inside of the ceiling. If the inside of the ceiling is subject to be high temperature and high humidity, add glass wool (1.0 to 1.25 lb/ft³ (16 to 20 kg/m³), 0.4" or more) on the heat insulator described above for a sufficient heat insulation.

NOTE

1. Unit : inch
2. ( ) indicates outer diameter.
3. For the sockets, the side with a notch is the side to connect a pipe. (Q, Q’ without notch)

Installation manual

[Diagram of branching header and heat insulator setup]