

INSTALLATION MANUAL

SLIMDUCT MD

December 21, 2020

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1. Read This Section First

This product is a decorative cover for indoor piping. Do not use for any other purpose.

[Requests]

- SLIMDUCT MD is for indoor use only. Using it outdoors may cause significant discoloration.
- Store and use it in an environment where the duct surface temperature is between -20°C and 60°C. If the temperature exceeds 60°C, it may deform due to heat.
- Wear personal protective equipment such as protective clothing and work gloves when installing the SLIMDUCT MD. When cutting it with a saw or another tool, wear safety glasses to prevent cutting chips from getting into your eyes.
- Use pan head screws with washer for fixing the product on the wall surface. If you use countersunk screws or trumpet head screws, it may break.
- When using an impact screwdriver, be sure to handle it carefully. Failure to do so may cause damage to the product. (We recommend that you use a torque screwdriver.) Do not use an impact screwdriver, in particular, when installing the product on an uneven wall surface because it may cause the product to break.
- Be sure to support and secure piping with a piping fixing saddle (SL-300), etc.
- In winter and in other cold weather, there is a risk that the duct may break when you cut it. Therefore, warm the duct before cutting.

2. Installation Procedure

Figure-1 shows the installation procedure of SLIMDUCT MD series.

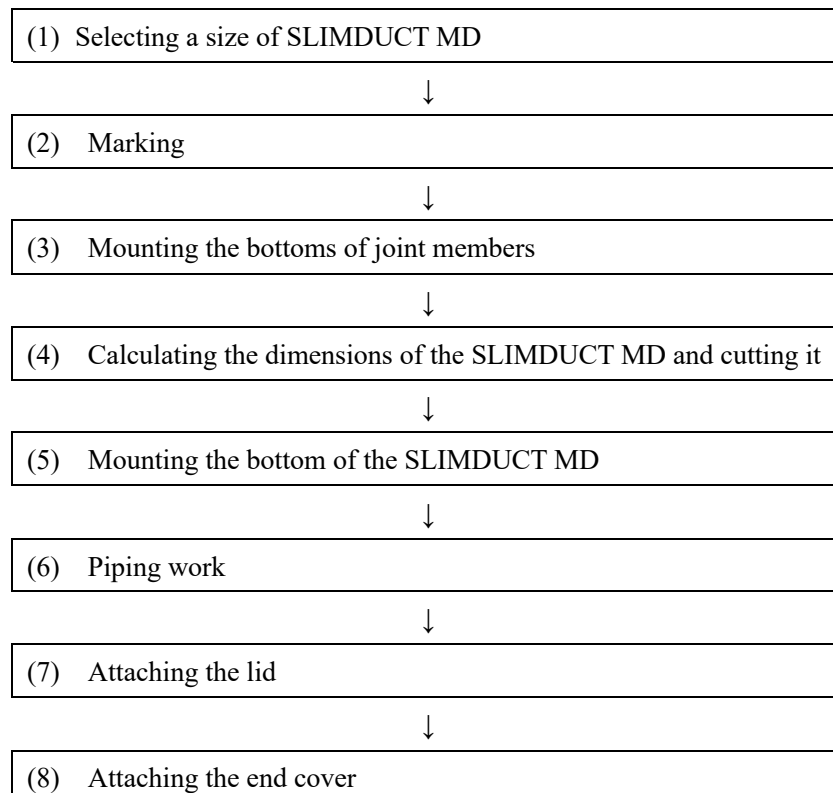


Figure-1 Installation Procedure

(1) Selecting a size of SLIMDUCT MD

The table below shows the standard housing capacity of SLIMDUCT MD.

Standard Housing Capacity Table (Unit: mm)			
SLIMDUCT MD size	Size of housed pipe		
	Ventilation hose	Copper pipe outer diameter (liquid pipe x gas pipe) (Heat insulator thickness: 10 mm x 10 mm)	Drain hose
MD-751-W	No	$\phi 6.35 \times \phi 9.52$ to $\phi 6.35 \times \phi 12.70$ (1 system)	DSH-14
MD-851	Yes: Outer diameter $\phi 37$ or less	$\phi 6.35 \times \phi 9.52$ to $\phi 6.35 \times \phi 12.70$ (1 system)	DSH-14
	No	$\phi 6.35 \times \phi 9.52$ to $\phi 9.52 \times \phi 15.88$ (1 system)	DSH-14

*If the pipe size of $\phi 6.35$ and $\phi 9.52$ is fit to the heat insulator thickness of 10 mm, it is also fit to the heat insulator thickness of 8 mm.

(2) Marking

Check the route of the SLIMDUCT MD from the through hole to the indoor unit pipe connection and mark a center line as shown in Figure-2.

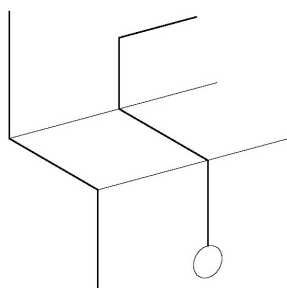


Figure-2

(3) Mounting the bottoms of joint members

Align the bottoms of the joints used in the route of the SLIMDUCT MD with the center line marked in (2) and fasten them with screws as shown in Figure-3.

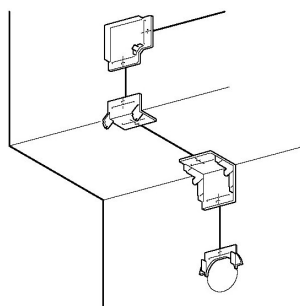


Figure-3

(4) Calculating the dimensions of the SLIMDUCT MD and cutting it

Cut the SLIMDUCT MD with a saw or the recommended tool to the size of ‘the distance between the joints mounted in (3) plus the dimension of the portion that enters the joints’.

Recommended cutting tool

Tool manufacturer	Product name	Model number
MCC Corporation	Air Conditioner Duct Cutter 100	ADC-101
TOP Kogyo Company Ltd.	Duct Cutter	DC-100M
FUJIYA Co., Ltd.	Air Conditioner Duct Cutter	VD2200
ICHINEN TASCO Co., Ltd.	Air Conditioner Duct Cutter	TA643TD

*When using the tool, read the instruction manual supplied with the recommended cutting tool carefully to understand the cutting method and environmental temperature.

*When the temperature is low, the duct breaks easily, so warm the duct and then cut it slowly.

(5) Mounting the bottom of the SLIMDUCT MD

Use the tip of a screwdriver or the like to puncture through the half-way punched hole on the bottom of the SLIMDUCT MD.

Next, secure the bottom of the SLIMDUCT MD to the wall with screws.

Make sure that the screw pitch is within 1 m.

(6) Piping work

Perform piping while putting the refrigerant pipe, drain hose, and cables in the duct in a way that they will not get twisted. In particular, pipe the drain hose in a way that the drainage slope can be reliably maintained.

(Note) When using Flexible Bend, pass the pipe through the Flexible Bend before installation.

(7) Attaching the lid

After putting the lid of the SLIMDUCT MD, put the lids of the joints.

Only when using Wall Inlet, secure it to the wall with screws after fitting.

(8) Attaching the gasket “MS”

Attach the gasket “MS” to the SLIMDUCT MD’s butting part against the indoor unit.

End of Manual