

CITY MULTI™

Optional Parts for PUHY,PURY-P-YGM/YSGM

1. JOINT	OU-Op-2
2. HEADER	OU-Op-3
3. JOINT KIT CMY-R160-J FOR BC CONTROLLER	OU-Op-4
4. HIGH STATIC PRESSURE MOTOR PAC-KBU04MT-F	OU-Op-5

Piping for CITY MULTITM can be easily done with Joints and headers provided by MITSUBISHI ELECTRIC CORP.. For PUHY-P-YGM/YSGM and PURY-P-YGM, 4 sets of Joints are available. Details for applying the Joint sets are referable to System Design 2-8. or their own Installation Manual.

CMY-Y102S-G Ref.: W901632
mm

For gas pipe: For liquid pipe:

<Deformed pipe(Accessory)>

ID: Inner Diameter OD: Outer Diameter

CMY-Y102L-G1 Ref.: W901633
mm

For gas pipe: For liquid pipe:

<Deformed pipe(Accessory)>

ID: Inner Diameter OD: Outer Diameter

CMY-Y202-G1 Ref.: W901634
mm

For gas pipe: For liquid pipe:

<Deformed pipe(Accessory)>

ID: Inner Diameter OD: Outer Diameter

CMY-Y302-G1 Ref.: W901635
mm

For gas pipe: For liquid pipe:

<Deformed pipe(Accessory)>

ID: Inner Diameter OD: Outer Diameter

Piping for CITY MULTITM can be easily done with Joints and headers provided by MITSUBISHI ELECTRIC CORP.. For PUHY-P-YGM/YSGM and PURY-P-YGM, 3 sets of Headers are available. Details for applying the Header sets are referable to System Design 2-9. or their own Installation Manual.

CMY-Y104-G Ref.: W901636 mm

For gas pipe:

<Deformed pipe(Accessory)>

For liquid pipe:

<Deformed pipe(Accessory)>

ID: Inner Diameter OD: Outer Diameter
NOTE: Besides above mentioned accessories, caps for pipe of $\phi 6.35$, $\phi 9.52$, $\phi 12.7$, $\phi 15.88$ (each diameter 1 piece) are included in the Header set.

CMY-Y108-G Ref.: W901637 mm

For gas pipe:

<Deformed pipe(Accessory)>

For liquid pipe:

<Deformed pipe(Accessory)>

ID: Inner Diameter OD: Outer Diameter
NOTE: Besides above mentioned accessories, caps for pipe of $\phi 6.35$, $\phi 9.52$, $\phi 12.7$, $\phi 15.88$ (each diameter 2 pieces) and 1 cap for pipe of $\phi 19.05$ are included in the Header set.

CMY-Y1010-G Ref.: W901638 mm

For gas pipe:

<Deformed pipe(Accessory)>

For liquid pipe:


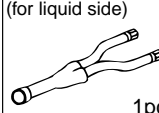
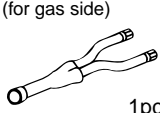
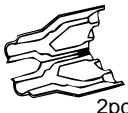
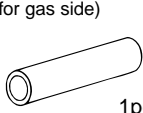
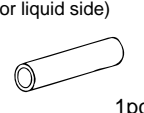
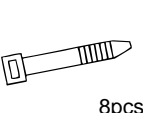
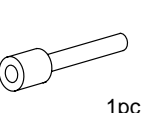
<Deformed pipe(Accessory)>

ID: Inner Diameter OD: Outer Diameter
NOTE: Besides above mentioned accessories, caps for pipe of $\phi 6.35$, $\phi 9.52$, $\phi 12.7$, $\phi 15.88$ (each diameter 2 pieces) and 1 cap for pipe of $\phi 19.05$ are included in the Header set.

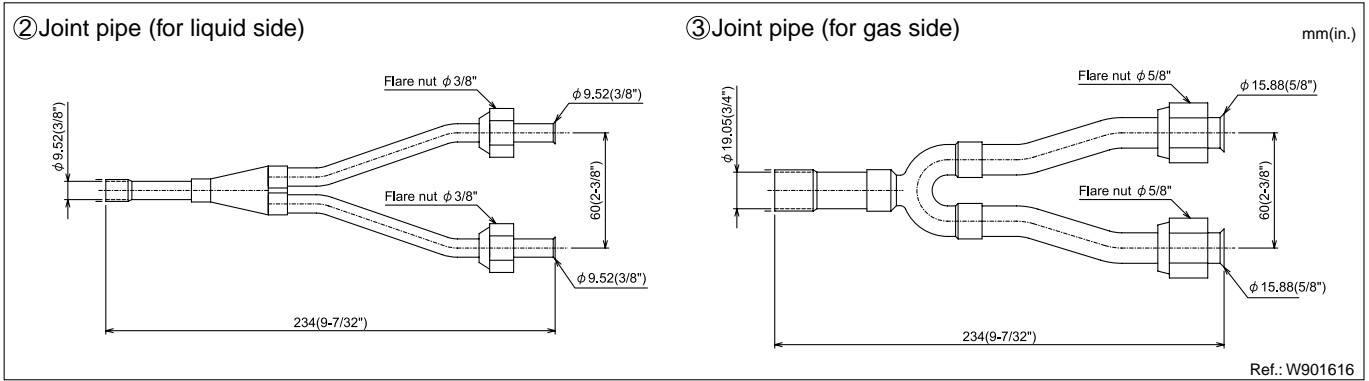
3. JOINT KIT "CMY-R160-J" FOR BC CONTROLLER

Joint kit "CMY-R160-J" for BC controller is used to combine 2 ports of the BC controller at a PURY-P-YGM system so as to enable down-stream Indoor capacity above P55 as shown in Fig. 1.

The Joint kit include following items:

① Instruction	② Joint pipe (for liquid side)	③ Joint pipe (for gas side)	④ Cover 1	⑤ Cover 2 (for gas side)	⑥ Cover 3 (for liquid side)	⑦ Band	⑧ Reducer
 This sheet 1pc	 1pc	 1pc	 2pcs	 1pc	 1pc	 8pcs	 1pc

Ref.: WT04350X01_01



Ref.: W901616

1. Designing CMY-R160-J to a PURY-P-YGM system

The maximum down-stream Indoor capacity for 1 port of BC controller is P54. When the down-stream Indoor capacity is above P54, Joint kit CMY-R160-J is needed to combined 2 ports of BC controller to enlarge the capacity, like Group 2 and 3 in Fig. 1.

Maximum 3 Indoor units are allowed to connect to 1 port of BC controller or 2 combined ports of BC controller using CMY-R160-J.

When connecting Indoor units to 1 port of BC controller or 2 combined ports of BC controller using CMY-R160-J, CMY-Y102S-G or CMY-Y104-G is applicable, like Group 1 and 2 in Fig. 1

Caution: Mixed cooling and heating mode at the same time for Indoor units connecting to 1 port or 2 combined ports is not available.

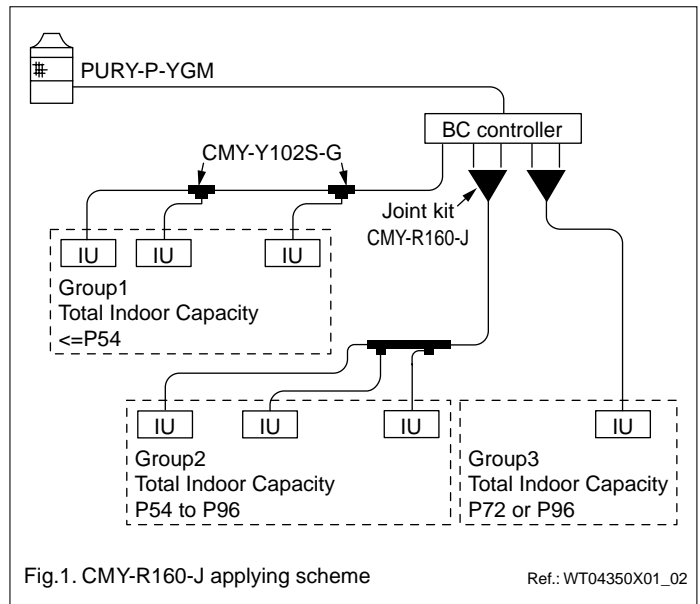


Fig.1. CMY-R160-J applying scheme

Ref.: WT04350X01_02

2. Piping at the installation site

The connection of CMY-R160-J to BC controller and pipe leading to Indoor units is referable to Fig. 2. Non-oxidized brazing is necessary. All piping must be careful to avoid foreign material getting inside.

After piping and air-tight testing, insulation work to the Joint and pipe should be done. Details is available at the Installation Manual.

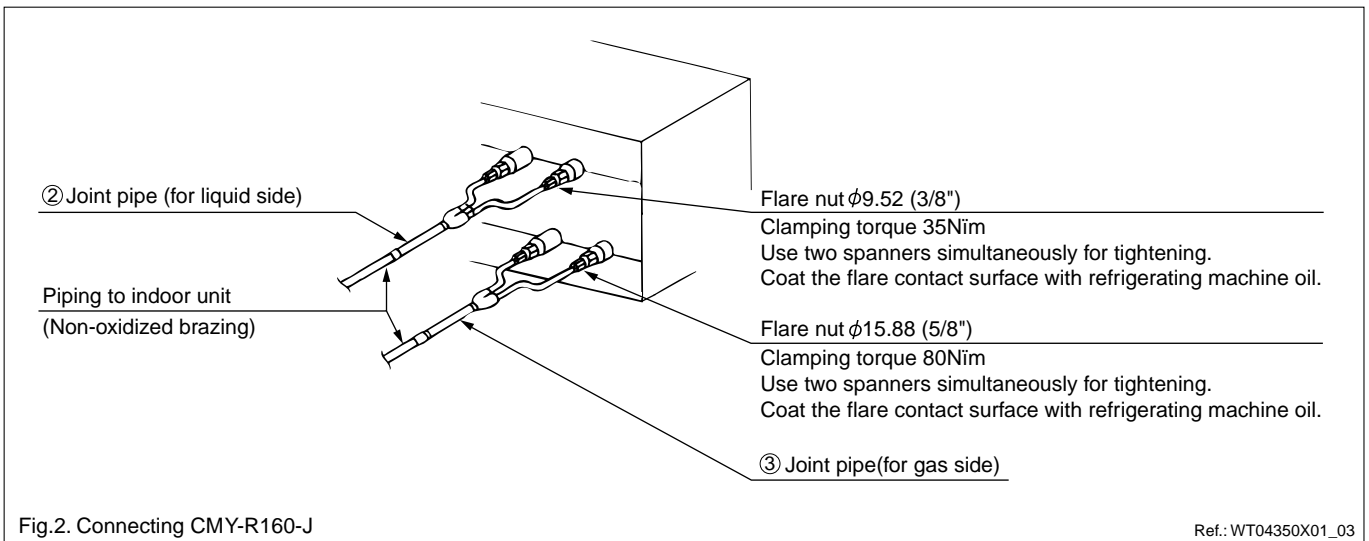
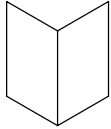
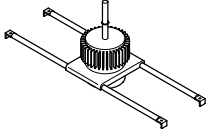
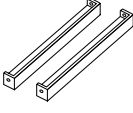
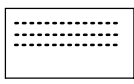
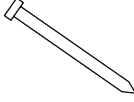


Fig.2. Connecting CMY-R160-J

Ref.: WT04350X01_03

With PAC-KBU04MT-F, the PUHY-P-YGM/YSGM, PURY-P-YGM outdoor unit will gain external 30Pa or 60Pa static pressure, which makes the outdoor unit exhausting design much easier to coordinate with the building situation.

1. Inside the package of PAC-KBU04MT-F, following items are enclosed together with the installation manual.

① Instruction	② Motor	③ Reinforcing plates	④ Label	⑤ Binder
				
1	1	2	1	1

2. Installing the high static pressure motor PAC-KBU04MT-F onto the outdoor unit.

2.1 You may order outdoor unit installed the optional PAC-KBU04MT-F instead of non-static pressure motor, and set the expected external static pressure at shipment, or change the motor by yourself at the field. For the details you need to talk to your provider.

2.2 In the case you change the motor, and set the expected static pressure at the field. Instruction 2.2a, 2.2b and 2.2c should be followed.

2.2a. Mounting the motor

- Remove the screw1, and remove the fan guard, referring to Fig.1.
- Remove the screw2, and remove the panel 1, referring to Fig.1.
- Remove the nut, and remove the propeller fan, referring to Fig.2.
- Remove the connector of the motor, referring to Fig.3.
- Remove the screw3 of the motor, and exchange the motor, referring to Fig.4.
- Connect the motor connectors. Secure the connectors with a clamp below the motor base not directly exposed to rainwater, referring to Fig.5.
- Remove the screw4 from both sides of the side panel and replace the side panel with the supplied reinforcing plates. referring to Fig.6. (Other than PUHN type)
- Put back the propeller fan, fan guard and panel in the reverse order from A-C. (Bind the nut tight with the torque of 20 ± 2 N·m.)
- Attach the supplied label on the unit, referring to Fig.1.

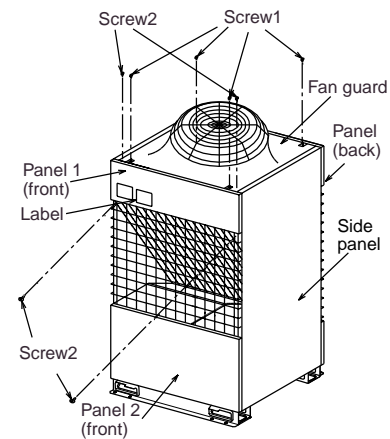


Fig.1

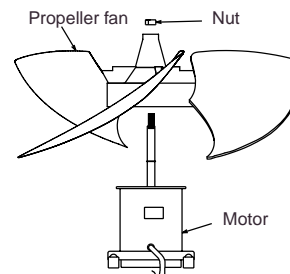


Fig.2

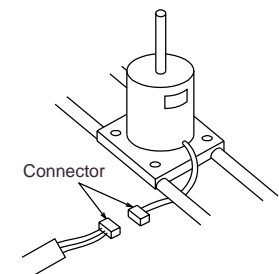


Fig.3

2.2b. Switching for 30Pa or 60Pa static pressure

- Remove the Panel 2, referring to Fig.1.
- Remove the control box cover.
- Set the DIPSW, which is on the front board in the control box, referring to the figure below. (For the DIPSW location, refer to the wiring nameplate on the back of the control box cover).

PUHY-P-YGM, YMM, YSM PURY-P-YGM	DIPSW3-9	DIPSW5-1
30Pa	ON	ON
60Pa	ON	OFF
PUHN-P01YGM	DIPSW7-1	DIPSW7-4
30Pa	ON	ON
60Pa	ON	OFF

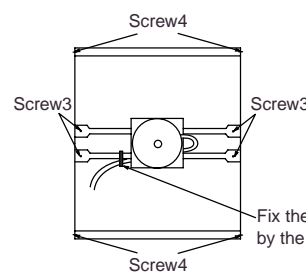


Fig.4 Top View

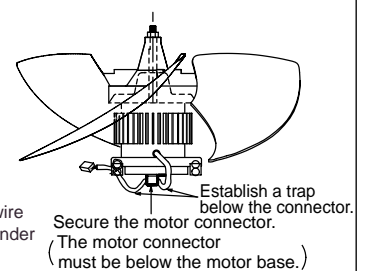


Fig.5

2.2c. Field work of 2.2a and 2.2b needs working space at the front and back of the outdoor unit. Enough working space should be considered for the field work of 2.2a and 2.2b. For example, upon corrective installation 20mm or the like interval is helpful.

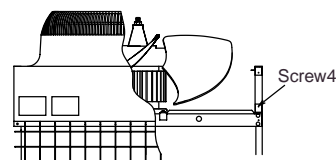


Fig.6 Front View

