

Job Name/Location:

Tag No.:

Date:

For:	File	Resubmit
	Approval	Other _____

PO No.:

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

PRHPZ040A R32 Shutoff Valve Unit (4 Port)



General:

Maximum Port Capacity Btu/h (each port)	60,000
Maximum Unit Capacity Btu/h (sum of ports)	230,000
Number of Indoor Unit Ports	4
Max. Connectable Number of Indoor Units per Branch	8
Max. Number of Indoor Units	32
Frame Material	Galvanized Steel Plate

Electrical Characteristics:

Power Input (Cooling) (W)	49.2
Power Input (Heating) (W)	46.6
Rated Amps (A)	0.28
Power Supply (V,HZ,PH)	208-230/60/1

Refrigeration:

Liquid Piping Size (in.)	3/8 – 1/4
Vapor Piping Size (in.)	5/8 – 1/2
Piping / Connections for Heat Pump Operation: Liquid Line (in., O.D.)	5/8
Piping / Connections for Heat Pump Operation: Vapor Line (in., O.D.)	1-1/8
Refrigerant Type	R32

Weight:

Unit Net Weight (lbs)	48.1
Unit Shipping Weight (lbs)	62.4

Shutoff Valve Unit Enclosure Ventilation Requirements:

- Ventilation airflow rate must be higher than 11.1 CFM.
 - Internal negative pressure must be higher than 20 Pa (0.0029 psi).
- Note: Internal static pressure drop and required ventilation CFM fan curve values can be referenced in the Installation and Engineering Manuals.

Features:

- Shuts off R32 refrigerant flow if a leak is detected.
- Includes R32 refrigerant leak sensor.
- Valve is always open; activated (closes) when the system indicates a leak error (CH228, CH229, CH230) or if a communication error occurs.
- For use with all LG R32 Multi V indoor units.
- Includes knockouts for mechanical ventilation.
- Includes reducer (Part No. MJU47312201).

Optional Accessories:

- ☐ Ventilation Flange - PTVK430

Controller Options:

- ☐ Dry Contact Module - AC 24V from Outside Power Source - PDRYCB100

Notes:

1. Power wiring is field provided and must comply with the applicable local and national codes.
2. All refrigerant piping requires insulation.
3. Communication cable between Main outdoor units to indoor units / shutoff valves is to be 18 AWG, 2-conductor, twisted, stranded, shielded. Ensure the communication cable shield is properly grounded to the outdoor unit chassis only. Do not ground the outdoor unit to indoor units / shutoff valve communication cable at any other point. Wiring must comply with all applicable local and national codes.
4. Shutoff valve components must be kept dry and free of debris before installation.
5. Must follow installation instructions in the applicable LG installation manual.



PRHPZ040A

R32 Shutoff Valve Unit (4 Port)



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Shutoff Valve Unit (Unit: Inch [mm])

PRHPZ020A, PRHPZ030A, PRHPZ040A

Notice:

1. Unit should be installed in compliance with the appropriate LG installation manual.

2. Unit should be grounded in accordance with local regulations and / or applicable national codes.

3. All field supplied electrical components and materials must comply with local regulations and / or national codes.

No.	Part Name	Description	2 port	3 port	4 port
5	Control box	-			
4	Liquid pipe to Indoor unit	Ø3/8 (9.52) - Ø1/4 (6.35)			
3	Vapor Pipe to indoor unit	Ø5/8 (15.88) – Ø1/2 (12.7)			
2	Low pressure vapor pipe	Ø7/8 (22.2)	Ø1-1/8 (28.58)	Ø1-1/8 (28.58)	Ø1-1/8 (28.58)
1	Liquid pipe to Outdoor unit	Ø 3/8 (9.52)	Ø1/2 (12.7)	Ø1/2 (12.7)	Ø5/8 (15.88)

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