

APLVAU2001

Automatic Refrigerant Charge

Towards Smart Building Installation and Maintenance

VRV S High Seasonal Efficiency SERIES

Automatic completion with proper refrigerant amount



No recalculation of charge amount due to minor design changes locally

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Smart and Quality Installation

Simple and Easy

2 STEPS EXECUTION

An automatic refrigerant charge port is provide to facilitate automatic refrigerant charge function.

For optimal system efficiency, it is recommended to conduct automatic refrigerant charging.

At any point of time, refrigerant charging is required after a period of operation time, user can initiate automatic refrigerant charge function again for easy maintenance.





Automatic Refrigerant Charging

Connect charging hose from the measuring gauge to Refrigerant Auto Charge port. Procedure to run automatic refrigerant charging:

1 Open Liquid and Gas Stop Valve. Valve A and Valve C remain closed.	2 Enter Mode 2 button on the PCB board.	3 Pt
5 Push BS2 button and hold for more than 5 seconds.	6 CU will start to prepare for operation. "t01" will be shown, this means that pressure control is executed.	7 Di (C (V
9 Push BS2 within 5 minutes and open Valve C.	10 During the charging process, the scre "t03" and low pressure value with an i	en w nterv
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When completed, close Valve C and push BS1 to leave program and proceed to Test Run.





To shorten refrigerant charging time, user Can pre-charge -5kg before initiating automatic refrigerant charge function. Example: Total required additional refrigerant amount is 12kg, user can pre-charged 7kg, then initiate automatic refrigerant charge function for the balance 5kg. When outdoor ambient temperature falls below 15 degree Celsius (°C), a cylinder heater is recommended for faster charging time.

*For piping length more than 90m, it is mandatory to conduct automatic refrigerant charging, otherwise testing & commissioning operation will not proceed. The automatic refrigerant charging has limits as described below.
• Outdoor temperature: 0°C DB~43°C DB.
• Indoor temperature: 10°C DB~32°C DB.

When the outdoor temperature is lower than 5°C, the refrigerant tank should be warmed during refrigerant charging.



Automatic Refrigerant Charge Function

Contribute to optimise operation efficiency, higher quality and easier installation.



