

- Only a qualified electrician can do the wire connection according to the

- technical standard and circuit diagram.
- Be sure the power is off before examining or repairing the recovery unit. - If the original power supply cord is damaged, choose carefully for the
- replacement one, or you may directly buy from us. - When the unit breaks down, be sure the power is off before you do any

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operation.

- 1. Do not mix different refrigerants together in one tank, or they could not be separated or used.
- 2. Before recovering the refrigerant, the tank should achieve the vacuum level: -75cmHg(29.6psi), which is for purging non-condensable gases. Each tank was full of nitrogen when it was manufactured in the factory, thus the nitrogen should be evacuated before the first use.

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- 0. If the unit is to be stored or not used for any length of time, we recon mend that it be completely evacuated from any residual refrigerant and purged with dry nitrogen.
- 11. A connection hose with a check valve is recommended, it can prevent refrigerant loss.

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Refrigerants	R134a	R22	R410A
Liquid	1.60kg/min	1.80kg/min	2.20kg/min
Push/Pull	4.60kg/min	5.60kg/min	6.30kg/min

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The flow rate of vapor is direct proportion to inlet pressure.

INTRODUCTION OF OPERATION PANEL





NO.	Component	NO.	Component
1	Cover	9	Starting Capacitor
2	Front Panel	10	Fan
3	Control Panel	11	Fan Cover
4	Copper Pipes	12	Power Supply Cord
5	Junction Box Cover	13	Base
6	Compressor		
7	Running Capacitor		
8	Circuit Board		
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NO.	Graphics Code	Component
1	XS	Power Outlet
2	SA	Power Switches
3	FR	Overload Protection Device
4	~M	Compressor Motor
5	SR	Centrifugal Switch
6	Cl	Start Capacitor
7	C2	Running Capacitor
8	ST	Motor Thermal Protectors
9	HP	High Pressure Switch



Ready for operation *Connect the pipes correctly and firmly. (Please refer to the connection diagram) 1. Open the vapor and liquid valves of manifold gauge. 2. Close the vapor and liquid valves of tank. 3. Loosen the connecting pipes of refrigerant tank. 4. Open the check valve of pipes. Start operation 5. Turn the switch to position "START". 6. Turn on the power switch. 7. Turn the switch to position "2" and start exhausting the air from inside the pipes. 8. While the input gauge gets to -1 bar ,turn the switch to position"3" to start self-purge. 9. While the input gauge gets to -1 bar again, turn the switch to position"0" to finish self-purge. 10. Connect the pipes to the refrigerant tank. **Finish operation** 11. Turn off the power switch. -8-

2). RECOVERY MODE 6 Open Open 6 5 Open 3 Open Close S) Dry flite

Recovery Unit

Refrigerant tank

Ready for operation

*Connect the pipes correctly and firmly. (Please refer to the connection diagram) *Make sure all valves are closed. 1. Switch off the power of refrigerant equipment. 2. Open the vapor and liquid valves of refrigerant equipment

Manifold gauge

✓! Notice

- ① If compressor impact occurs at position "2", turn the switch to position "START" until the impact stops.
- $\ensuremath{\textcircled{2}}$ If the recovery restarts after interruption of power or is difficult to start, a. Turn the switch to position "START", turn on the power switch, for liquid recovery.
- b. Turn the switch to position "3", turn on the power switch.

✓! Notice

- ① Turning the switch to position "1" gets a stable recovery of liquid with low speed of 1 Kg/Min.
- 2 If compressor impact occurs at the position "1" turn the switch slowly to position "START" until the impact stops. Make sure the pressure is not at 0, because it doesn't work at 0.

3). SELF-PURGE MODE



/ Notice

The unit must be purged after each use; The liquid refrigerant remaining may expand and damage the components and pollute the environment.

Ready for operation 1. Turn the switch to position "3 "to start the purge. 2. When the self-purging is finished, the unit gets the needed vacuum. **Finish operation** 3. Turn the switch to position "0". 4. Turn off the power switch. 5. Close the check valve of the pipes. 6. Turn off the vapor valve of the refrigerant tank.

4). LIQUID PUSH/PULL MODE



An electric scale is needed to monitor the recovery process to prevent overfilling.

Ready for operation

*Connect the pipes correctly and firmly. (Please refer to the connection diagram) *Make sure all valves are closed. Start operation 1. Open the vapor and liquid valves of refrigerant equipment. 2. Open the vapor and liquid valves of the refrigerant tank. 3. Turn the switch to position "START".

4. Turn on the power switch.

- 5. Turn the switch to position"2" to start push/pull mode.
- %When the display of the electric scale remains unchanged or changes very slowly, it means the liquid recovery is finished, and it is time for vapor

recovery. 6. Turn the switch to position "PURGE" and follow self-purge mode to purge

the gas refrigerant.

7. Turn the switch to position "OFF". 8. Turn off the power switch.

9. Close the vapor and liquid valves of refrigerant equipment.

10. Close the vapor and liquid valves of the refrigerant tank.

11. Connect the pipes again and recover the vapor of refrigerant equip-

3. Open the vapor valve of the refrigerant tank.

Start operation

4. Turn the switch to the position "START".

5. Turn on the power switch.

6. a.Open the liquid valve for liquid recovery. b.Open the vapor valve for

vapor recovery.

7. Turn the switch slowly to position "2" for faster recovery. *There is no need to turn off the power and it can do the self-purge work

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directly.

OFF 3 opor valve Close (4) Close 6 Close \overline{O} R A Open Dry flit Refrigerant equipment Manifold gauge Refrigerant tank Recovery Unit -10-

ment according to recovery mode **Finish operation**

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TROUBLESHOOTING

FAULT CAUSE SOLUTION FAN no Mechanical damage 1. Replace the fan response 2. Factory service required 1. External pressure is too 1. a. When recovering the liquid, turn the knob to "START' hiah position, then restart Compresso b. When recovering the vapor, not start turn the knob to "PURGE"/"3" (Jammed) position, then restart 2. Motor failure or other 2. a. Replace the components b. Factory service is needed components damaged 1. High pressure shut off due to 1. Read carefully the Operation the wrong operation, such as: Manual and follow the The outlet valve is not open, instructions while operating refrigerant tank valve is not open Compressor start but stops 2. Motor thermal protector 2. The compressor will restart within a few shuts off automatically after a few minutes minutes 3. Circuit breaker shuts off 3. Cooling the circuit breaker down and press "circuit breaker" to restart after 5 minutes 1. The pressure of the 1. Cool the tank down can help refrigerant tank is too high bringing down the pressure Low recovery speed 2. Piston ring of the 2. a. Replace the components compressor is damaged b. Factory service required 1. Tighten the hose connections 1. Connecting hoses are loose Unit doesn't pull out a 2. Leakage in the unit 2. a. Replace the components vacuum b. Factory service required



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: HC 1)This device may not cause harmful interference, and (2)this device must accept any interference received, including interference that may cause undesired operation.



Technical Support and E-Warranty Certificate www.vevor.com/support