



Filter-chiller

Refrigerant filter-chiller RCH 070

Through-flow cooler with filters with interchangeable and replaceable activated cores designed for performance increase of reclaiming unit JV-90.

Not only for performance increase but also for better filtration capacity.

Can also be used for large recovery units



- Designed according to requirements of our customers for efficient reclaiming
- Cooling performance at high ambient temperatures
- Robust construction on wheels
- Two independent sets of filters with high capacity and clogging indication
- Exchange of filter cores without break of reclaiming process
- Setting of target temperature
- CE declaration

Technical specification:

Power supply	230V / 50 Hz
Power input	1,6 kW
Cooling performance	6,9 kW
Inlet / outlet	3/8" SAE (5/8 UNF)
Filters	2+2 three filter blocks Castel (moisture and acide adsorption)
Dimensions (WxLxH)	1060x560x1050 mm
Weight	129 kg



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USE

RCH070 is used to increase the performance of the JV-90 reclaiming unit. Reclaimed refrigerant is cooled down in the unit (down to 6°C) as it passes through the filters rests of water are filtered. The final temperature depends on the ambient temperature and type of refrigerant. The cooling unit allows more effective reclaiming process especially in higher ambient temperatures. The filters increase the final filtration capacity, especially decrease the final water content in the reclaimed refrigerant.

Getting ready and connecting

Before first use it is necessary to evacuate the unit to ensure there is no contamination of reclaimed refrigerant by air. Connect the outlet from JV-90 to the inlet of RCH070. Connect the outlet from RCH070 using the supplied hose, place the valve away from the device. Open the valves on both the hoses and the hose from RCH070 outlet connect to the vacuum pump. During the evacuation process open also both the valves of the filter sections. After the evacuation, close the valve on the hose connected to RCH070 outlet and disconnect the vacuum pump. Connect the hose to the pressure vessel to be filled by the reclaimed refrigerant. Close the valves on one of the filtration sections – this will be work as a backup in case the filters from the other section become useless during the reclaiming process.

How to operate the RCH070

Use the JV-90 as usual, according the user's manual.

Open the valves on the hoses from JV-90 outlet and on the RCH070.

Open the valves on the pressure vessel connected to the outlet from RCH070.

When discharging the JV90 turn on the RCH070.

The inlet on the RCH070 is equipped with pressostat, that does not allow to start the unit until filled with refrigerant.

The LP light (yellow) on the panel lights up when the unit is not filled with refrigerant (minimum 1.3 barg pressure)

The sight-glass on the front panel is used to control the refrigerant on the inlet to the unit.

The HP light (red) lights up when the cooling circuit fails (high pressure in the inner circuit) and the compressor stops.

How to operate the filters

The filters create two separate sections. During the reclaiming only one section is used at a time (left side or right side). Dirty filters are indicated by the differential pressostat Temprite.

When the pointer enters the red section, it is necessary to change the filter cores in this section. This can be done even during the reclaiming process by closing the valves on the dirty filters section and opening the valves on the clean filters section. It is possible to change the filter cores on the closed section (even during reclaiming, using the other side of the filters) using a recovery unit and recovering the rests of refrigerant from the inside of the filters using the Schroeder valve connection on the bottom of the filters. Only than it is allowed to unscrew the cover of the filter and change the filter cores.



Warning

Only personnel with appropriate qualification for work with refrigerants, that has read and understood this manual can handle the RCH070 unit.