

Daikin R-Cycle

Portable Refrigerant Recycling Unit



World's First
Electrostatic
Separation
Technology

High purity of reclaimed refrigerant (Applicable to R-410A, R-32, R-134a)
For reclaiming & recovering from most HVAC-R applications

- › Refrigerant recovery & reclaim portable unit
- › Electrostatic separation method:
Does not only remove oil & contamination as a large distillation apparatus, but also moisture & acid by a large filter dryer
- › Applicable for mixed refrigerants such as R-410A:
Possible to keep mixed refrigerants with minimum changes of the composition, because it directly absorbs the refrigerant in liquid state & fills it into a cylinder



Daikin Recovery and Recycling unit

Daikin Recovery and Recycling unit is easy to use. It can be connected directly to the installed HVAC-R equipment. After connecting the refrigerant recovery bottle, the recovery and recycling process is automatic.

High purity is achieved by using three methods of filtering. The unique electrostatic separation technology, the high performance filter drier and the evaporation of refrigerant removes the maximum of impurities, such as oil and moisture.



The cost =
260kg of R-410A
at € 35/kg



Key features:

- › Three steps of recycling to maximize the quality:
 - Oil separation and electrostatic filtering
 - Filter drier to remove moisture
 - Liquid separation via evaporation
- › Oil-free compressor preventing cross contamination of the refrigerant.
- › Unique electrostatic filtering technology allowing increased oil and moisture removal from the recovered refrigerant.
- › Constant recovery and recycling volume for all refrigerant gases both high pressure and low pressure ones (vapour phase).

Consumables

For the optimal use of the unit the following consumables are offered:

1. Molecular sieve replacement with spare part number: 5034893
2. Drier Filter: number EU.SB.5000086 (Standard) EU.SB.5000087 (High Capacity)

Specification

| Description | | Refrigerant Recycle Equipment RRDQ220V1 | | |
|--|--------|---|-------|--------|
| Code No. | | RRDQ220V1 | | |
| Recycle refrigerant | | R-410A, R-32, R-134a | | |
| Recycle method | | Liquid recycle method (possible to vapor recycle) | | |
| Recycle method | | Electric statistic separation reclaim method | | |
| Power supply | V / Hz | 220-240V 1-phase / 50/60 Hz / 8A minimum | | |
| Compressor | | 750W (1HP) Oil-free | | |
| Dimension (LxWxH) | mm | 562 x 538x 976 | | |
| Weight | kg | 60 | | |
| Electric current operation | A / Hz | 8.0/6.0 / 50/60 | | |
| Operating temperature | °C | 5-35 | | |
| Degrees of protection | | IP10 | | |
| Noise value | dB (A) | Max 75.8 at normal operating condition (in accordance with 2006/42/EC cl. 1.7.4.2 | | |
| Applicable cylinder | | Refrigerant Recycle Cylinder (minimum working pressure of 400psi) | | |
| Recycle rate | | R-410A | R-32 | R-134a |
| Liquid | g/min | 220 | 100 | 100 |
| Vapor | g/min | | 90 | |
| Specifications are subject to change without prior notice. Recycle rates vary under different conditions. When recycle R-134a, follow P11 in the operation manual. | | | | |
| Recycle refrigerant | | R-410A | R-32 | R-134a |
| Performance standard | | AHRI 740 | | |
| Moisture | ppm | ≤20 | ≤20 | ≤20 |
| Total residue on evaporation | % | ≤0.01 | ≤0.01 | ≤0.01 |
| Non condensable gas | % | ≤2.0 | ≤2.0 | ≤2.0 |

Recycle capacity will vary depending on the contamination of the reclaimed refrigerant. When recycle R-134a, follow P11 in the operation manual.

Daikin Europe N.V. - Zandvoordestraat 300 · 8400 Oostende · Belgium - www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)

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