

iRockall 1 & 2

Vacuum and Refrigerant Charging Unit for medium productivity

iRockall is a modular evacuation and medium productivity charging station for HFC and HCFC refrigerants.

iRockall It is perfectly suited to medium or high throughput facilities producing chillers, display cases, refrigerators, freezers, condensers or any other refrigerant-bearing device.

The unit can be supplied with two injectors (**iRockall - 2**)

- Compact and light weight
- Charging capacity: up to 10 kg
- Charging speed: up to 10 g/s with heating belt
- High charging accuracy: 0.5% of the charged amount
- Digital refrigerant metering system
- **Available with integrated Refrigerant transfer Pump equipped with volumetric metering system (/B option)**
- Built-in vacuum pump (17 m³/h @ 50 Hz, different on request)
- Interactive Color Touchscreen
- Data Collection Application over TCP/IP protocol
- Up to 1000 programmable work cycles
- Microprocessor controlled
- Built in according to the European Machinery Directive, Safety standards CE marked



Main using applications

- Professional Refrigeration
- Refrigerated show cases and cooling cabinets
- Automatic food and beverage dispenser machines
- Refrigerating units for transportation
- Ice-cream machines
- Dehumidifiers
- Centralized Conditioning stations and refrigerators
- Electrical cabinet coolers
- Domestic air conditioners
- Refrigerators and air conditioners for boats or caravans
- IT coolers
- Compressed air driers
- Condensing units



Technical Characteristics

	iRockall - 1	iRockall - 2
Injectors/Type	1/PLUVIO	2/PLUVIO
Injector length	3.5 m	
Refrigerant metering systems	1	2
Charging capacity	up to 100 kg	
Charging speed	up to 35 g/s	
Charging accuracy	< 200 g: ±1 g > 200 g: ±0.5%	
Injector connection	¼" Hansen F (ISO 7241B)	
Refrigerant supply connection	¼" Hansen M (ISO 7241B)	
Refrigerants	HFC, HCFC	
Working compressed air	6-7 bar not lubricated	
On-board alarms	3 light alarms (green/yellow/red) on column	
Programmable work cycles	up to 1000	
Nominal Vacuum pump rate	17 m ³ /h	
Control unit	TS690	
Working temperature	41 °F ... 113 °F	
Power Supply	115v / 230v / 460v – 3ph + GND	
Dimensions (H x W x L)	60 x 24 x 33 inches	
Weight	~300 lbs	

Optional features and devices

Heating Belt
Only Vacuum Heads with 1/4" Hansen or 1/4" SAE Schrader connections
On Board RTP kit including suction line, protection filter, 0.7L accumulator
Only vacuum extension Injector Head
Injector extension Length
Injector with 1/4" SAE Auto connector
Injector with 1/4" Schrader connector
Injector with 3/8" Hansen connector
Automatic working cycle selection performed by bar code reader
Remote Printer

