

# 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 m<sup>3</sup>/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
<b>Injectors/Type</b>	1/PLUVIO	2/PLUVIO
<b>Injector length</b>	3.5 m	
<b>Refrigerant metering systems</b>	1	2
<b>Charging capacity</b>	up to 100 kg	
<b>Charging speed</b>	up to 35 g/s	
<b>Charging accuracy</b>	< 200 g: ±1 g > 200 g: ±0.5%	
<b>Injector connection</b>	¼" Hansen F (ISO 7241B)	
<b>Refrigerant supply connection</b>	¼" Hansen M (ISO 7241B)	
<b>Refrigerants</b>	HFC, HCFC	
<b>Working compressed air</b>	6-7 bar not lubricated	
<b>On-board alarms</b>	3 light alarms (green/yellow/red) on column	
<b>Programmable work cycles</b>	up to 1000	
<b>Nominal Vacuum pump rate</b>	17 m³/h	
<b>Control unit</b>	TS690	
<b>Working temperature</b>	41 °F ... 113 °F	
<b>Power Supply</b>	115v / 230v / 460v – 3ph + GND	
<b>Dimensions (H x W x L)</b>	60 x 24 x 33 inches	
<b>Weight</b>	~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

