

Vacuum and charging unit

iRockall

Vacuum and Refrigerant Charging Unit for medium productivity

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

iRockall is ideal for medium/high throughput production lines of domestic and commercial refrigerators/freezers, air conditioners, heat pumps, liquid coolers where high amounts of refrigerant need to be charged. The unit can be supplied with one or two injectors (iRockall - DUE)

Characteristics

- 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 Colour 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

iRockall



Touch screen machine Controller



Injectors PLUVIO V2/ V3/V4 e MFL



Vacuum and Charging Unit *iRockall*

- 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

iRockall Technical Characteristics	iRockall - Uno	iRockall - DUE
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/white/red) on column	
Programmable work cycles	Up to 1000	
Nominal Vacuum pump rate	17 m ³ /h	
Control unit	TS690	
Working temperature	5 °C .. 45 °C	
Power Supply	400 V @ 50 Hz – 3ph + GND	
Dimensions (L x W x H)	850 x 600 x 1400 mm	
Weight	~130 kg	

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, 0,7 l accumulator
Additional vacuum-only 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

* FT software department develops customized software on request