

Vacuum and charging unit

iRockall Jr

Vacuum and Refrigerant Charging Unit for small productivity

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

iROCKALL Jr is ideal for medium throughput production lines of domestic and commercial refrigerators/freezers, air conditioners, heat pumps, liquid coolers where medium sized amounts of refrigerant need to be charged.

Characteristics

- Compact and light-weight
- Charging capacity: up to 10 kg

Charging speed: up to 10 g/s with heating belt (up to 25 g/s with RTP and accumulator)

- 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 (8,5 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 Jr



Touch screen machine Controller



Injectors PLUVIO V2



Vacuum and Charging Unit *iRockall Jr*

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

iRockall Jr Technical Characteristics

Injectors/Type	1/PLUVIO
Injector length	3,5 m
Refrigerant metering systems	1
Charging capacity	up to 10 kg
Charging speed	up to 10 g/s (35 g/s with RTP and accumulator)
Charging accuracy	< 200 g: ±1 g > 200 g: ±0,5%
Heating belt	Available as option 400 W
Injector connection	¼" Hansen F (ISO 7241B)
Connection to the refrigerant supply line	¼" Hansen M (ISO 7241B)
Connection to the refrigerant supply line	8,5 m ³ /h
Pirani vacuum sensor	Integrated
On-board alarms	3 light alarms (green/white/red)
Acoustic alarm	as option
Programmable work cycles	1000
Connection to external PC	Ethernet
Control unit	TS690
Working temperature	5 °C .. 45 °C
Power Supply	110/220 V – 50/60 Hz – Single Phase
Dimensions (L x W x H)	850 x 600 x 1400 mm
Weight	~120 kg

Optional features and devices

Additional light and Acoustic Alarm
On Board RTP kit including suction line, protection filter, 0,7 l accumulator
Customizable injector length
QS5 vacuum pump with TMF36 oil mist filter
Automatic working cycle selection performed by bar code reader
Printer
PLUVIO 3/8" Hansen Length = 3,5 m

* FT software department develops customized software on request

Company Profile

Vacuum and Charging units

HC Refrigerants handling systems

Ecologic non-Flammable Refrigerants

Vacuum and Charging Injectors

Refrigerant transfer pump

Pressure test units leak detectors

Preliminary evacuation

Electrical and functional test

Ultrasonic tube sealers