

## iRockall HC

Vacuum and Flammable Refrigerant Charging Unit

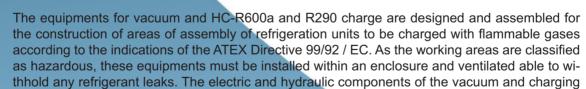
**IROCKALL HC** is an evacuation and charging station for A2L, A2 A3 Class refigerants and not flammable classes. It is an easy and effective to handle machine with a top charging accuracy.

**iROCKALL HC** is for medium and high throughput production lines of domestic and commercial refrigerators / freezers and other fields of application and it well designed and tested for making use of isobutane (R600a) and propane (R290). Assembly lines making use of most recent refrigerants as R1234yf and R1234ze are also the natural workplace for **iROCKALL HC** 

- Microprocessor or smart OS (optional) controlled
- Charging speed: up to 25 g/s for HC/HFO refrigerants and up to 40 g/s for HCFC/HFC refrigerants
- · Charging capacity: according to local limitations
- · High charging accuracy
- Built-in vacuum pump (20,5 m³/h)
- Available with integrated Refrigerant transfer Pump equipped with volumetric metering system (/B option)
- 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 for Potential Dangerous Areas

## Main using applications

- Domestic refrigerators and deep freezers
- · Professional Refrigeration
- · Refrigerated show cases and cooling cabinets
- Deep Cooling for Medical Pruducts
- Automatic food and beverage dispenser machines
- Ice-cream machines
- Dehumidifiers
- Domestic air conditioners



station have been chosen by FT to comply with ATEX for the classification of areas at high risk of explosion and thus make the whole system suitable for working with flammable liquids.









## **Technical Characteristics**

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Injectors/Type	1/PLUVIO HC	2/PLUVIO HC
Injectors Lenght	3,5 m, different on demand	
Refrigerant metering system	1	2
Charging capacity*	max 10 kg for HFC	
Charging speed	up to 25 g/s (HC refrigerants) up to 40 g/s (HFC refrigerants)	
Charging accuracy	±0,5 g (<100 g HC), ±0,5 % (>100 g HC) ±1,0 g (<200 g HFC), ±0,5 % (>200 g HFC)	
Injector connection	1⁄4" Hansen F (ISO 7241B)	
Connection to the refrigerant supply line	1⁄4" Hansen M (ISO 7241B)	
Vacuum pump capacity	20,5 m³/h	
Number of programmable working cyles	1000	
Control Unit	TS690	
Working temperature	5 ÷ 45 °C	
Compressed air supply	6 ÷ 7 bar not lubricated	
Requested Refrigerant supply	Pressurized, in liquid phase	
Power Supply	400 V @ 50 Hz – 3ph+GND	
Power consumption	0,6 kW, with 20,5 m³/h vacuum pump	
Dimensions (LxWxH)	600x 850 x 1430 mm	
Weight	170 kg	

<sup>\*</sup> the maximum quantity is settled according to the local limitations

## **Optional features and devices**

Light and Acoustic Alarm	
Injector MFILL for High production lines	
Refrigerant dosing system with Massic Coriolis flowmeter	
30,2 m³/h Vacuum pump	
Automatic working cycle selection performed by Bar code reader	
Remote printer	

