![FT logo]

Preliminary evacuation systems

FT_ADCSI
Vacuum Gauge

FT_ADCSI

The **vacuum gauge system** is used to monitor the vacuum value read by the sensor, which is connected to the vacuum pump under consideration.

A vacuum threshold can be assigned to the control unit to be considered as a target value to be reached during the vacuum process.

when the vacuum value read by the sensor is higher than the settled vacuum threshold **FT_ADCSI** gives out a red light signal.

when vacuum value read by sensor is lower than settled vacuum threshold ADCSI gives out a green light signal.

The vacuum gauge consists of:

- Edwards vacuum sensor model APG200 with Pirani technology.
- Wifi adapter, only for models that provide connection via wifi.

- Eaton Plc that allows to check the control unit display and access to all relevant functions.
- The enclosure is also equipped with two indicator lights:

  - ♦ Green to indicate that the vacuum value is below the LOW threshold (VACUUM OK),

  - ♦ Red to indicate that the vacuum value is over the HIGH threshold (VACUUM NOT OK)

- Power supply input - 230Vac 50/60 Hz
- LAN cable for vacuum signal input

The screen shows the following data:
- date and time of vacuum phase start.
- The vacuum level is indicated graphically by a progress bar on a logarithmic scale , of which the full scale corresponds to atmospheric pressure.
- Vacuum level expressed in Pascal
- Vacuum Threshold.
- Vacuum time.

FT Vacuum State Indicator

♦ Green (vacuum threshold reached)

♦ Red (vacuum threshold not reached)

GV-XXX

GV-XXX

GV-XXX is suitable for evacuation of refrigeration units in both to production and repair phases in industrial processes. Dry pumps represent an industry standard, used over many years proving to be a strong, and reliable vacuum execution solution in a wide range of applications.

The unit has an electrical control panel to enable operation of the vacuum pump and vacuum monitoring. They can be configured with relevant vacuum pipes according to customer requirements.

The exhaust line of the pump can be equipped with high efficiency filter that allows the recovery of the retained oil in order to reduce the consumption of oil by the vacuum pump.
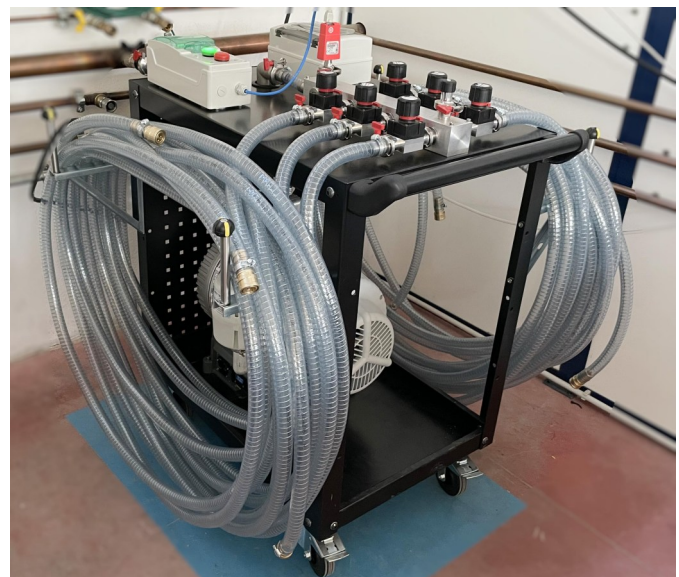
Main features and accessories:

- Filter to protect the vacuum pump from liquids, such as compressor oil or moisture.

- Digital Pirani vacuum gauge with adjustable set point. Alternatively Vacuum State Indicator, with light indicators to show the vacuum status:

   - Green to indicate that the vacuum value is below the LOW threshold (VACUUM OK),

   - Red to indicate that the vacuum value is over the HIGH threshold (VACUUM NOT OK)

- Two lines of high conductance vacuum with quick Hansen F to connect the units to be evacuated

Example of a **multiple vacuum group f**or **large refrigeration units** in both initial production and repair.

Multiple vacuum group is consist of:
- Electrical panel Pump ignition and vacuum gauge
- Vacuum meter
- Vacuum Sensor
- Vacuum interceptor block for each pipeline

Optional features and devices

Available pumps flow rates: 40, 80, 90 m^3 / h

Up to eight lines of high conductance vacuum with quick Hansen Female

Company Profile

Vacuum and Charging units

HC Refrigerants handling systems

Special Units

Vacuum and Charging Injectors

Refrigerant transfer pump

Pressure test units leak detectors

Preliminary evacuation

Electrical and functional test

Ultrasonic tube sealers

IPCS & IPCS PLUS

初步排空系统

FT_ADCSI
真空计

FT_ADCSI

真空计系统　用于监测相关真空泵所连接的传感器读取的真空值。

可以将真空阈值分配给控制单元，作为真空过程期间要达到的目标值。

当传感器读取的真空值高于设定的真空阈值**FT_ADCSI**时，会发出红光信号。

当传感器读取的真空值低于设定的真空阈值ADCSI时，会发出红光信号。

真空计由以下部分组成：

- 采用Pirani技术的Edwards　APG200型号真空传感器。
- Wifi适配器，仅适用于通过Wi-Fi提供连接的型号。
- Eaton Plc允许检查控制单元显示屏并访问所有相关功能。

- 外壳还配备了两个指示灯：

  - ◆ 绿色表示真空值低于低阈值(真空良好)，
  - ◆ 红色表示真空值高于高阈值(真空不良)，

- 电源输入 – 230Vac 50/60 Hz
- 用于真空信号输入的局域网电缆

屏幕显示以下数据：
- 真空阶段开始的日期和时间。
- 真空度由对数刻度的进度条以图形方式表示，其中满刻度对应于大气压力。
- 真空度以Pascal表示
- 真空阈值。
- 真空时间。

FT真空状态指示器
- ◆ 绿色（达到真空阈值）
- ◆ 红色（未达到真空阈值）

GV-XXX
真空机组

GV-XXX

GV-XXX适用于工业过程中生产和维修阶段的制冷装置抽空。干泵代表了行业标准，经过多年使用，成为广泛应用中强大、可靠的真空执行解决方案。

该装置具有电气控制面板，可实现真空泵的运行和真空监控。可根据客户要求配置相应的真空管道。
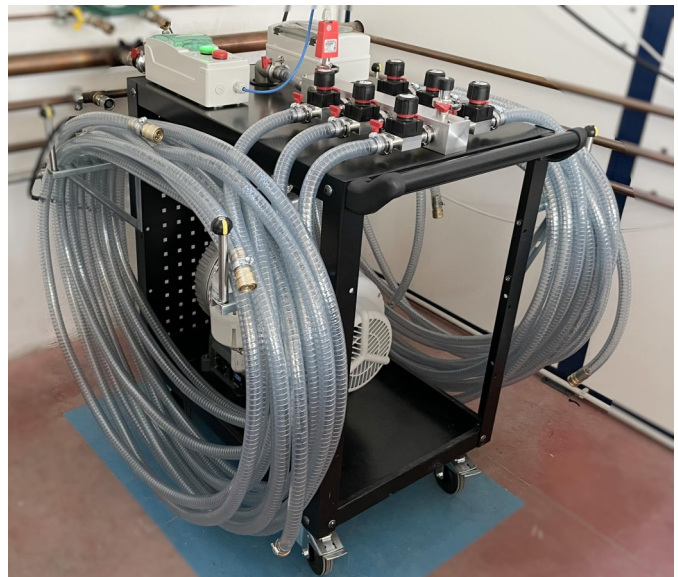
泵的排气管路可配备高效过滤器，从而回收残留的油，以减少真空泵的油耗。

主要特点及配件：

- 过滤器可保护真空泵免受液体（例如压缩机油或湿气）的影响。

- 具有可调设定点的数字Pirani真空计。或者真空状态指示灯，带有显示真空状态的指示灯：
  - ◆ 绿色表示真空值低于低阈值(真空良好)，
  - ◆ 红色表示真空值高于高阈值(真空不良)，

- 两条高导真空线，含有的快速Hansen　F接头可连接待排空装置

初始生产和维修中的供**大型制冷装置**的**多真空组**示例。

多真空组包括：
- 电气面板、点火泵和真空表
- 真空计
- 真空传感器
- 每个管道的真空拦截器块

可选功能和设备

可用泵流量：40、80、 90 m³ ／ h

多达8条高电导真空线，配有Hansen内螺纹快速接头