

Refrigerant Transfer Pumps

RTPSS(-HC)

Automatic RTP Stopping System

RTPSS

Monitoring is done by controlling electrical signals from pneumatic limit switches and liquid sensors that close appropriate electrical contacts on the electronic control unit. Thanks to it and its control logic, the system provides a light and acoustic alarm signal when the tank from which it is being extracted is exhausted.

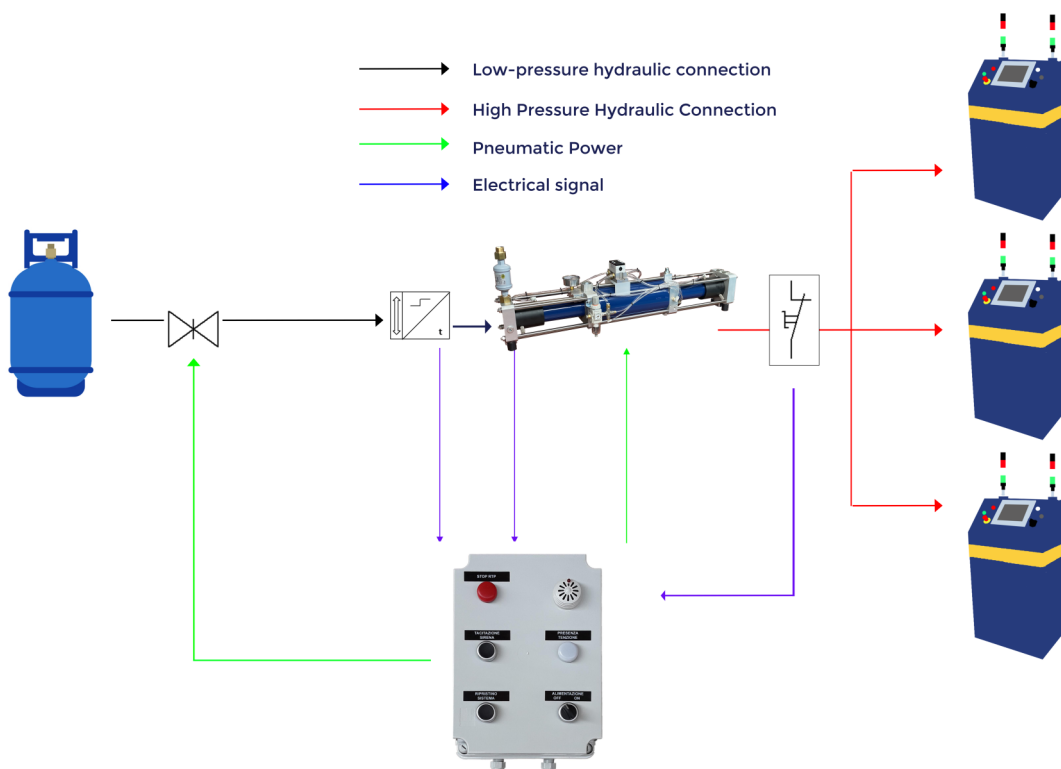
Contextually, the system provides to the control of appropriate electropneumatic valves by automatic disconnection procedure from the empty tank and relevant inhibits of refrigerant transfer Pump (RTP).

Thus, the system will:

- Stop the RTP from extracting the refrigerant from the tank by
- Provide acoustic and luminous signal to warn the operator that the tank is empty or is not properly connected to the RTP extraction line (e.g. the manual cylinder valve is closed)



Automatic RTP Stopping System



RTPTCS (-HC)

Automatic Tank Changing System

RTPTCS

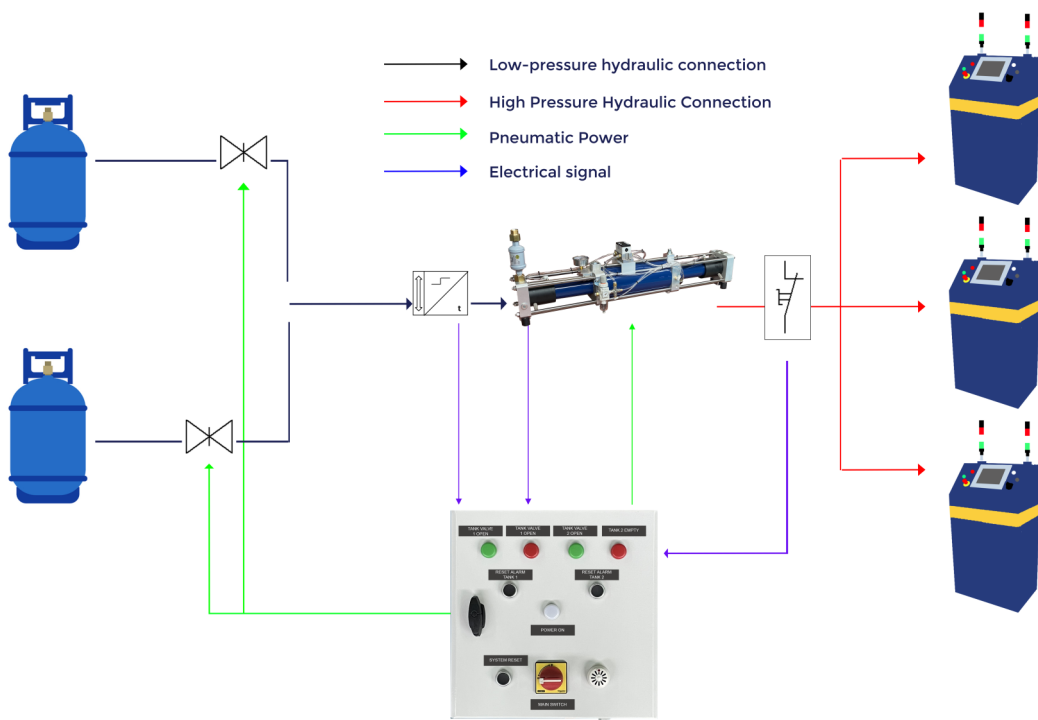
Monitoring is done by controlling electrical signals from pneumatic limit switches and liquid sensors that close appropriate electrical contacts on the electronic control unit. Thanks to it and its control logic, the system provides a light and acoustic alarm signal when the tank from which it is being extracted is exhausted. Contextually, the system provides to the control of appropriate electropneumatic valves by automatic disconnection procedure from the empty tank and the connection to the full tank with the suction manifold of the Refrigerant Transfer Pump (RTP).

Thus, the system will:

- switch the refrigerant transfer pump suction to the full tank by closing the pneumatic valve of the empty tank and opening the pneumatic valve of the spare tank
- provide indications of the status of the tanks and the operations to be done to resume refrigerant transfer functions to inhibit the RTP if both tanks are empty



Automatic Tank Charging System



RTPTCS (-HC)

自动储罐充注系统

RTPTCS

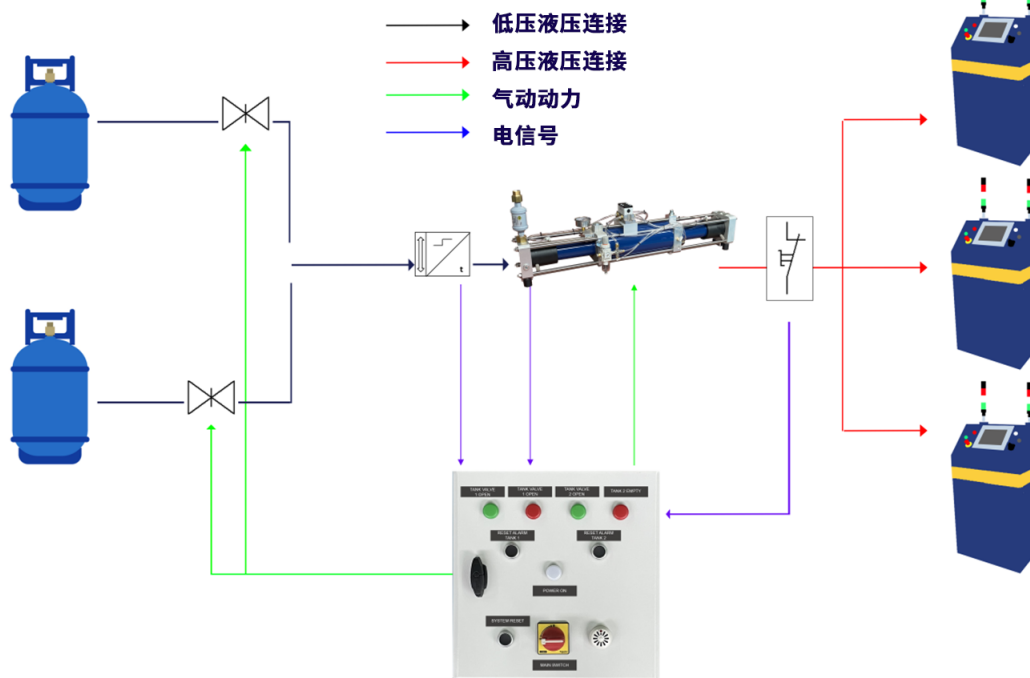
通过检查来自气动限位开关和闭合电子控制单元上适当电触点的液体传感器的电信号来完成监控。得益于自身及其控制逻辑，系统在提取罐体耗尽时会发出光和声报警信号。在此环境下，该系统通过与空罐的自动断开程序和制冷剂输送泵（RTP）的相关抑制来控制适当的电动气动阀，通过制冷剂输送泵（RTP）的吸入歧管来连接满罐。

如此，系统将：

- 通过关闭空罐的气动阀并打开备用罐的气动阀，对满罐进行制冷剂输送泵抽吸
- 在两个储罐都空时，提供储罐状态的指示以及待执行操作，从而恢复制冷剂传输功能，以抑制RTP



自动储罐充注系统



制冷剂输送泵

RTPSS (-HC)

自动RTP停止系统

RTPSS

通过检查来自气动限位开关和闭合电子控制单元上适当电触点的液体传感器的电信号来完成监控。得益于自身及其控制逻辑，系统在提取罐体耗尽时会发出光和声报警信号。

在此环境下，该系统通过与空罐的自动断开程序和制冷剂输送泵（RTP）的相关抑制来控制适当的电动气动阀。

如此，系统将：

- 停止RTP从储罐中提取制冷剂
- 提供声光信号，警告操作员罐已空或未正确连接到RTP提取管线（例如手动缸阀已关闭）



自动RTP停止系统

