

FRIGA-BOHN

EXTronic

Mounted electronic expansion valve solution for unit coolers



CO₂

A2L

HFC



- # **Faster** - More **efficient** - More **economical**.
- # **Efficient** unit cooler.
- # **Mounted directly** on the 3C-A and NTA unit cooler (for other unit coolers, contact us).
- # **Environmentally friendly**.

DESCRIPTION

- # Superheat regulator for electronic expansion valve.
- # Superheat setting according to the refrigerant.
- # Optimizes the refrigeration circuit.
- # Control and automatic closing of the valve.
- # Superheat probe to be installed on the pipe.
- # Safety > alarms in case of overheating or other problems.
- # Multi-refrigerant > an expansion valve compatible with several refrigerants in a single unit cooler.

WIDE CHOICE OF REFRIGERANTS

- # R407A, R407C, R407F, R452A, R449A, R448A, R450A, R513A.
- # R744 (CO2) : Driver compatible, but please note that a specific pressure sensor is required. [CONTACT US](#)
- # A2L refrigerants. [CONTACT US](#)
- # Possibility of adding a refrigerant by updating the Driver (via RS485 input and a computer).

WIDE CHOICE OF REFRIGERANTS

- # LowSH (low superheat) > change of reactivity below 5 °C superheat.

4 START-UP PARAMETERS

- # Type of refrigerant.
- # Application mode: cold room / display case.
- # Super heat setpoint.
- # MOP for negative applications (CS setting).

PRODUCT ADVANTAGES

TECHNIQUES

- # Mounted directly on the unit cooler.
- # Multi-refrigerant: several refrigerants in a single controller.
- # Adapted to the constraints of a cold room:
 - Temperature: withstands extreme temperature conditions (-40 °C to +60 °C).
 - Humidity: IP 65.
- # Easy to set up.
- # Max. power supply: 15W.
- # Facilitates retrofitting when changing refrigerant.
- # Safetronic option > no solenoid valve.



OPTIONS

SAFETRONIC

- # An optional Safetronic kit by EXTronic. This Safetronic kit guarantees closure of the connected electronic valve in the event of a power failure.



POSSIBILITY OF CONNECTION TO BMS

- # Possibility of direct connection (RS 485 Modbus).
- # Possibility of connecting EXTronic to a BMS (all makes possible) > to monitor or modify the parameters.
- # Easy to install and configure.
- # Better control of the cold room.
- # Better unit cooler + EXTronic monitoring.

EFFICIENT UNIT COOLER

- # Rapid temperature drop compared to thermostatic expansion > energy savings.
- # More efficient and faster than the thermostatic expansion valve > economical.
- # Quality of products preserved.
- # Safety guaranteed by Safetronic.

ENVIRONMENTALLY FRIENDLY

- # Use of low GWP refrigerants.
- # Multi-refrigerant: allows you to have a single expansion valve regardless of the refrigerant used.
- # Installation retrofit and expansion valve function retained. Port dimensioned and compatible with all selection refrigerants: R449A, R448A, R407A, R407F, R452A, R450A and R513A.