

Shown:
Protocol SPI

Shown:
Protocol SPO



PROTOCOL SPI (INDOOR) AND SPO (OUTDOOR) DISTRIBUTED SYSTEMS

Sustainable Solutions for an **EVER-CHANGING** Regulatory Environment

The **Protocol SPI (Indoor) and SPO (Outdoor)** distributed systems are designed for closer proximity to Walk-In Coolers, Freezers, and Cases reducing the amount of refrigerant charge required. This means more flexibility in choosing a broader range of refrigerants for an application needing to meet regulatory thresholds while gaining better energy efficiency versus standard condensing units. These systems also reduce refrigerant costs through less material and lower leak rates.

The SPI is available for air-cooled (with Krack remote condenser*) applications. The SPI and SPO both may be used for water-cooled applications where a fluid cooler* is available.

* Sold separately

The **Protocol SPI and SPO** compared to traditional rack systems provides:

- Better energy efficiency
- Lower installation costs
- Smaller footprints

The **Protocol SPI and SPO** are great solutions for:

- Supermarkets
- Grocery Retail
- Large Convenience Stores
- Micro-Fulfillment Centers

PROTOCOL SPI (INDOOR) AND SPO (OUTDOOR) DISTRIBUTED SYSTEMS

The **Protocol SPI** is designed to hang overhead close to cases** or mounted on top of Walk-In Coolers and Freezers as it weighs only 1,350 pounds with a footprint of: 97"L x 31"D x 34"H.

The **Protocol SPO** for outdoor use only weighs 1,800 pounds with a footprint of: 106"L x 53"D x 37"H.

PROTOCOL SPI and SPO FEATURES and BENEFITS:

- One 3WH electrical panel (same used as 6 compressor Protocol HE; Busbars: 2-208V)
- Compact liquid line with optimized piping reduces refrigerant required
- Designed for serviceability
- Optional built-in liquid drier, suction filter, and economizer
- Optional split suction
- Optional sound attenuation package (SPI only)
- Available in 2 or 3 Emerson scroll compressor configurations:
 - ZB*KCE for 2 to 7.5 HP
 - ZF*KVE for 4 to 9 HP
 - With digital available
- Broad selection of controls:
 - CPC
 - Micro Thermo
 - Novar
 - Danfoss Value Control (AKPC551)
- Most voltages available including:
 - 208V, 380V, 460V, and 575V in 3-phase, 60 Hertz
 - 120 control voltage
- GWP refrigerants under 2,220 available including: R-407A, R-407F, R-448A, and R-449A

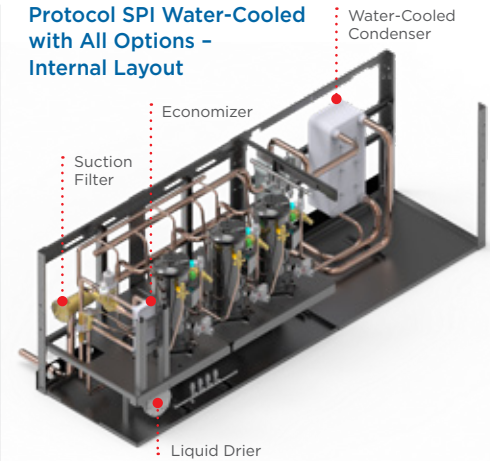
** Mounting overhead is 100% custom to each installation and by others.



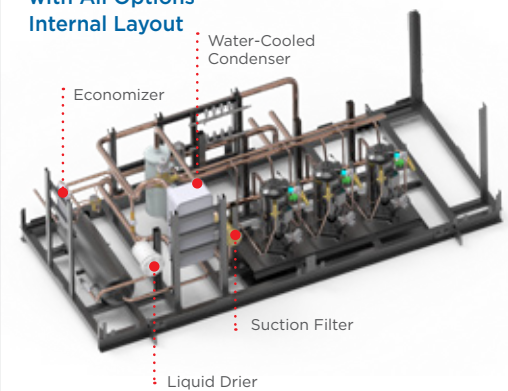
Scan the QR code to access technical data on krack.com.

NOTE: Hussmann reserves the right to change or revise specifications and product designs in connection with any feature of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions, or replacements for equipment previously sold or shipped.

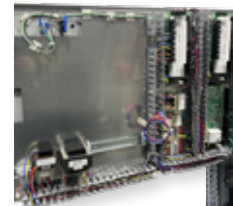
Protocol SPI Water-Cooled with All Options - Internal Layout



Protocol SPO Water-Cooled with All Options - Internal Layout



Protocol SPI / SPO Electrical Panel



Shown:
Controller / IO Board



Shown:
Main Electrical Panel

HUSSMANN®

Hussmann Corporation

For all customers inquiries, visit www.hussmann.com or call 800.592.2060

www.hussmann.com