Lower Operating Cost While Increasing Product Integrity…

Correct superheat settings are essential to the maximum performance of a display case. The superheat should be set during the installation of a case and during seasonal changes for maximum coil operation. Incorrect settings lead to wasted energy and can cause product shrink.

Introducing the Hill PHOENIX Smart Valve™ the only valve that sets itself. The Smart Valve comes as an option on all Hill PHOENIX display cases and requires no adjustments during refrigeration start-up. The Smart Valve automatically adjusts the superheat and maintains it at the pre-set condition of 5 degrees for low temperature systems and 8 degrees for medium temperature systems. When the Smart Valve is installed on a dual temperature system, it will adjust automatically to the selected temperature to ensure the proper superheat is maintained. Since this valve has a much larger range of motion than a traditional expansion valve, case pull-down temperatures can be achieved up to three times faster during extreme conditions, such as coming out of a defrost cycle.

Refrigerant changes also become easier with the Smart Valve. Imagine doing a refrigerant change-out without even having to remove product from the case. By using a fob that connects to a laptop USB port the Smart Valve communicates via IR to the control module thru the return air grill on the case.

It all adds up to……

- Energy savings
- Less product shrink
- Quicker installation time
- Seasonal adjustment savings
- Faster refrigerant conversions
- Adaptation to merchandising demands

For more information contact your local Hill PHOENIX representative.