



SMART VALVE™

Another Sustainable product from Hill PHOENIX





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.



Return Air Grill



IR communication between USB port and control module

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.

