

# PENN PRODUCTS COMMERCIAL REFRIGERATION CONTROLS



Control what's important.

# WE KNOW REFRIGERATION INSIDE AND OUT.



For nearly 100 years, customers have trusted PENN® to deliver reliable and rugged refrigeration controls. You'll find our products at work in more supermarkets, convenience stores, hotels, restaurants and other places than any other brand of refrigeration controls. That's because people count on PENN to control the things that are most important to them. Even though we've been around since the beginning of refrigeration, PENN still delivers the freshest ideas in the business. Our legacy quality and industry leadership drive our passion for invention. We're continuously building on our experience to provide smarter, more sophisticated control products and solutions for all types of refrigeration and air conditioning equipment. When livelihoods rely on dependable control, people rely on PENN.

## Stay cool with PENN

PENN products are designed for low and high pressure control in refrigeration systems and freezers. We manufacture water regulating valves for condensing pressure control as well as water flow switches engineered to interlock with other controls to assure chillers operate properly. Choose from a wide range of single and three phase fan speed controls of head pressure, multi-function controls for temperature, pressure and defrost applications, and lube oil controls to protect compressors. PENN controls perform under a variety of environmental conditions and work with corrosive and non-corrosive refrigerants. Whatever the application, every PENN product has one thing in common, worry free operation.



*Our advanced technology is helping customers worldwide improve the performance and efficiency of their refrigeration systems.*

## Evolving refrigerant control needs

As part of our commitment to sustainability and the environment, we offer PENN controls compatible with CFC free R-410A and natural refrigerants. These environmentally friendly products include the P70 and P170 pressure controls, the P100 pressure switches, P266 fan speed controls and the V46 and V246 water regulating valves. Many of these also are ATEX approved for use with flammable refrigerants. These include the P77 pressure controls and P599 pressure transducers.

Sensing tubes in our products contain a new "green" fluid that is safer for the environment. This industry leading, eco-friendly fluid is nonflammable, non-toxic and non-reactive. It's used in our A19, A28, A36, T19, T22, T23, T25, T26 and T46 series of temperature controls.



*Quick Response Expansion Valve (QREV)  
and Precision Super Heat Controller (PSHC)*



*P70 Series Pressure Controls*

## We're plugged into your needs

The PENN line of reliable and proven designs in our P70 pressure controls, A19 temperature controls and V46 water valves have been the standard for generations of refrigeration control needs. But times change and so do your requirements. So we continue to develop control solutions to meet your changing needs for efficiency, dependability and intuitive operation.

The P266 Condenser Fan Speed Control offers field adjustable speed, pressures, start voltage and minimum speed/cut-off. It also features a stainless steel electronic pressure transducer for greater reliability and longer life with minimal leak potential.

With System 450™ Modular Electronic Controls, you get more control options in a compact, flexible package. Fourteen basic System 450 modules provide accurate, stand-alone control for a wide range of field-configurable, single, multi-stage and proportional control for temperature, pressure and humidity. A reset control module also offers real-time clock (scheduling), load balancing and reset set point control of humidity and temperature applications. Plus you have the plug together convenience to adapt to your growing needs.

The innovative A421 electronic temperature control family provides unmatched versatility in single point temperature control. The standard A421 is an easy to read, single-stage control in a compact, easy to install design. The off-cycle defrost combines the functionality of a temperature control with a defrost timer. This saves time and money for your customers. The A421 with cycle timer is ideal for ventilation applications where temperature control and air exchanges are required.

Get greater versatility, reliability and ease-of-use for a wide range of single pressure applications with the P470 Electronic Pressure Control.

The MR control family combines the functionality of a timer, thermostat, temperature display, defrost termination device and interconnecting wiring into a single control. Also, control up to four stages of heating, cooling. Humidity or pressure with the MS series.

Advanced, adaptable technology. Precise engineering. Rugged performance. Intuitive control solutions. PENN delivers it all. That's why we're the top choice in the industry. Plus, we support with customer service aftermarket distribution support, training, technical support and warranty protection unmatched in the industry.

## You name it, we control it

From the very beginning, dependability has been a hallmark of PENN. Frankly, once you install one of our controls, you can forget about it. We offer proven, long-life durability over a wide range of temperature and pressure applications. But do remember that the rugged, dependable designs and quality construction give you peace of mind, and performance that outlasts other products.

Long lasting dependability

Continuously innovative

A long history of tried and true performance

The latest in control technology

Worry-free operation

Advanced electronic controls for increased reliability and efficiency



## REFRIGERATION SYSTEM CONTROLS FAMILY

A19	A421	P70/P170	P499	P100
				
Temperature Controls	Temperature Controls	Pressure Controls	Pressure Transducers	Pressure Controls
P470	F61	V146	V246	VFD68
				
Pressure Controls	Flow Switches	Water Valve	Water Valve	Fan Speed Controls
P266	QREV/PHSC	System 450™	P545	P145/P28/P45
				
Fan Speed Controls	Quick Response Expansion Valves	Modular Electronic Controls	Lube Oil Control	Lube Oil Control



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