

REFRIGERATION PRODUCTS

Cool. Fresh. Smart.





We know refrigeration inside and out

For over 95 years, PENN by Johnson Controls has been the number one choice for 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. Count on us wherever there's a need to keep products and people cool. Even though we've been around since the beginning of time in refrigeration, PENN by Johnson Controls still delivers the freshest ideas in the business. We're continuously building on our experience to provide superior control technology for all types of refrigeration and air conditioning equipment.



Stay cool with PENN by Johnson Controls

We've designed products for low and high pressure control in freezers. Defrost controls. Electronic single and three-phase fan speed control of head pressure. Multi-function controls. We make hundreds of temperature controls, electronic and electromechanical, for hundreds of different uses, from bulk milk tanks to ice cream freezers. Our products perform under a variety of environmental conditions and work with corrosive and non-corrosive refrigerants. We protect compressors against lube oil failure. We manufacture water regulating valves for condensing pressure control and water flow switches engineered to interlock with other controls to assure chillers operate properly. Whatever the application, every PENN by Johnson Controls product has one thing in common: worry-free operation.

R410A compatible pressure controls

As part of our ongoing, corporate-wide commitment to sustainability and the environment, we offer a complete line of pressure controls that are compatible with CFC-free R410A refrigerant. These environmentally-friendly products include the P77 and P78 pressure controls, P100 pressure switches, P216 fan speed controls, and V246 and V248 water regulating valves.

Natural Refrigerants (NR)

In order to speed up the reduction of global warming the EU parliament revised the F gas regulation.

This law drives the Industry to use NR in Refrigeration Applications due to its GWP value of zero, good thermodynamic performance and affordable.

Our P100 pressure switches and P499 pressure transmitters can handle pressures up to 150 bar and both are compatible with all refrigerants including Ammonia.

Environmentally-friendly temperature controls

PENN by Johnson Controls is also taking a proactive approach by using more environmentally-friendly substances in our products. All of our temperature controls with liquid filled sensing elements now 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 can be found in the A19, A28, A36, T22 and T25 series of controls, helping to create a more comfortable, safe and sustainable world.



You name it, we control it

From the very beginning, dependability has been a hallmark of PENN by Johnson Controls. 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.

- 1 Temperature Controls
A19 / A28
A419
- 2 Pressure Controls
P77 / P78
P735 / P736
P100
P233
- 3 Flow Switches
F61
- 4 Water Valve
V46 / V246
V47
V48 / V248
V43
- 5 Fan Speed Controls
P215PR
P216
- 6 Stage Controls
MR / MS Series
ER Series
- 7 System 450™
Modular
Electronic
Controls
- 8 Lube Oil Control
P28 / P45



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



From fresh flowers, to frozen foods, to server farms

We're plugged into your needs

Tried and true technology, like that offered by our P77 pressure controls, V46 water valves and other electromechanical products, has long met the needs of our customers. But times change. Your requirements change. So we continue to develop new control solutions that will even better meet your needs for efficiency, dependability and ease-of-use. As a result, PENN by Johnson Controls leads the way in electronic and digital control technology.

The new P216 Condenser Fan Speed Control offers field adjustable speed, pressures, start voltage and minimum speed/cutoff. It also features a stainless steel electronic pressure transducer for greater reliability and longer life with little leak potential.

With the new System 450™ Modular Electronic Controls, you get more control options and flexibility. Eleven basic System 450 modules provide accurate, stand alone control for a wide range of field-configurable, single-stage, multi-stage and proportional control for temperature, pressure and humidity. A reset control module also offers a real-time clock (scheduling), load balancing and reset setpoint control of humidity and temperature applications. Plus, you have plug together installation convenience.



The A419 Electronic Temperature Controller is an easy-to-read, single-stage digital display temperature controller in a compact, easy to program design.

ER Controls combine the functions 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 technology. Unsurpassed accuracy. Dependability. Efficiency. Whatever you're looking for in a refrigeration control, we deliver. That's why we're the top choice in the industry. Plus, we support you with excellent warranties and a wide ranging aftermarket distribution network, offering replacement parts and expert training in refrigeration applications. When your reputation is on the line, count on the quality and performance of PENN by Johnson Controls.





We are in the business of building efficiency. We create buildings and environments that help people achieve and enterprises succeed. We do that by delivering energy savings. Operational savings. And sustainable solutions. In fact, PENN commercial refrigeration controls by Johnson Controls have been serving the cooling needs of millions of customers worldwide for more than 95 years.

For more information, or to purchase Johnson Controls products, please refer to www.be-ebusiness.eu.johnsoncontrols.com/vb/

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