

Tires

Proportion-Air > Industries > Tires

Let's Talk 877-749-8548

Temperature Control for the Tire Industry

Adjustments and regulation of pressure are major considerations in the manufacturing and testing of tires. Proportion-Air offers closed loop electronic flow controls and pressure regulators for a variety of applications in development and use of rubber tire materials, including:

- Control of saturated steam during the curing process
- Pressure adjustments required as tires are built around a drum, during the inflation of tires during testing, during the manufacturing and mounting process
- Test measurements for uniformity and balance during the final finishing of the manufacturing process
- Grinding of tire whitewalls to remove unwanted materials

Tire Manufacturing Applications

You Have Too Many Scrapped Tires: Why?

Temperature control for curing isn't the only consideration for manufacturing tires, but it is a significant one. When temperature is off, so is product integrity.

Keeping temperature control repeatable, accurate, and reliable is a key factor for good production continuity – and Proportion-Air meets the challenge.

Accurate Temperature Control

Our product offers a better window of accuracy: with a swing temperature of five degrees being the norm, Proportion-Air's product offers a swing of just one to two degrees. Is that a big deal? You bet!

Reliable Temperature Control

One of your biggest pains is likely reliability. If your valve breaks down, the whole system is put on hold for repair; you have to take it out, unplug it, repair it, then put it back in.

Top Entry Quick Change Trim – Our product can be repaired *while it's still in the line*. You never have to unplug it – you don't have to risk mistakes made when parts are put back. Also, time-wise and labor-wise, this equates to a savings in the bottom line.

Less Wire Draw

A metal-to-metal seal doesn't seal completely, so steam (which finds the path of least resistance) will start leaking where it finds a weakness in the seal. Finding an imperfection between the metal surfaces, the steam will bleed through and actually etch away at the metal, creating wire draw.

Instead of metal our system uses soft seat material for shut off. This design allows for a better seal – and less likelihood of wire draw.

Simplified Steam Control

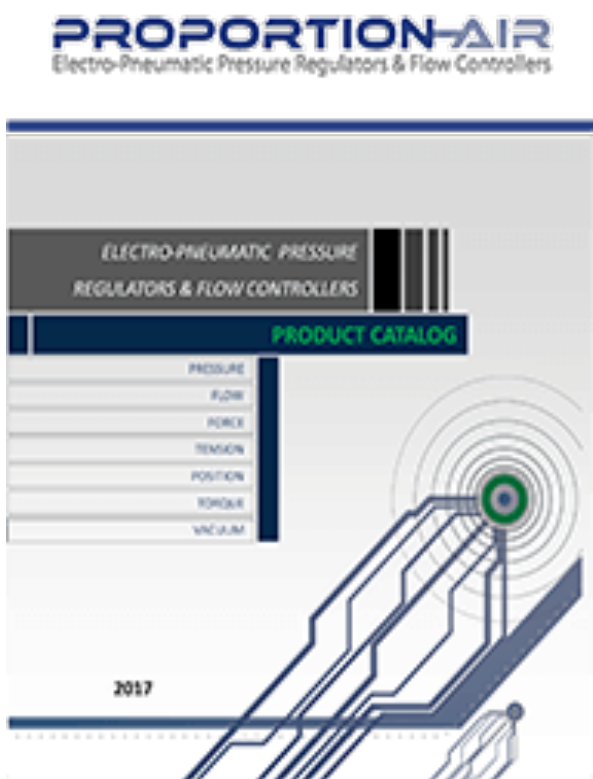


- Steam Pressure Control
- Tire Build Up Inflation Control
- Tire Inflation Control – A
- Tire Inflation Control – B
- Tire Uniformity
- White Wall Grinder

Quick Nav

newmain

See Our Family Brochure



Our system simplifies how you control your steam temperature. You don't need all the complicated PID loops found in other temperature control systems. These loops always dance around the actual set point in an attempt to keep pressure where it needs to be for the correct temperature.

With our device, you give a command signal for the pressure you want, and that's it.

When you need accuracy in pressure control for tire manufacturing – **you need Proportion-Air.**



Call Us from Indianapolis : 317-689-0608

Contact Us

Proportion-Air

8250 N. 600 West
McCordsville, Indiana 46055

About Proportion Air

Proportion-Air, Inc. manufactures **electronic air pressure regulators** and **air flow control valves**. Proportion-Air strives to be a leader of remarkable performance, exhibiting the qualities that define exceptional service. [google-translator]



Follow Us on Twitter

Improving Benchmark Award | Air, inc. -
Proportion-Air buff.ly/2hILyTu

About 2 months ago from Proportion Air's Twitter via Buffer

Follow @proportionair 688 followers

Recent Posts

Improving Benchmark Award | Numatic Engineering

January 31, 2017

Product of the Month | GX1

January 2, 2017

Improving Benchmark Award | Air, inc.

December 14, 2016

Find Your Product

Search



Visit Our Youtube Channel

Download YouTube Video

