LumenAir *Rapid-Step* ™

Precision air source for extruded taper-tubing



Standard Features

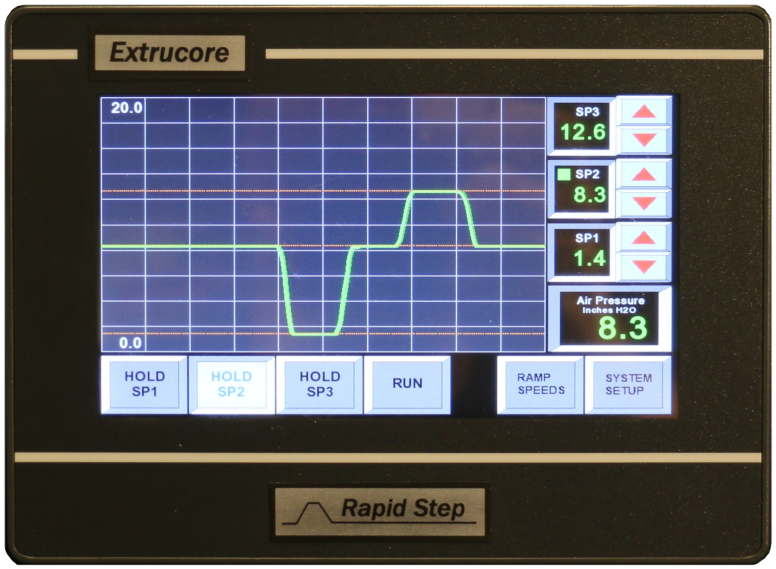
- Air pressure output range 0 to 45.0” H2O
- Three digital pressure set points for running tapered tubing
- Adjustable response time for pressure change: from 0.2 seconds to 8 seconds
- Pressure resolution: 0.1” H2O
- Maximum flow rate 9 LPM
- Save and recall complete profile of past setups for a tubing product
- Analog input signals for external control of three set points (0 to10v)
- Digital inputs for step-up / step-down of pressure set points
- Digital inputs to remotely select active pressure set point 1, 2 or 3
- MODBUS RS485 data port for external control from your extruder or remote HMI
- 7 inch color touch screen operator interface
- Stand-alone air source using precision internal air pumps. No air compressor required
- Standard rack-mount modules for any number of air channels required
- Universal Input power: 100-240 Volts AC, 50-60 HZ, 4-amps, 1-Phase
- Operating temperature range: 32F – 108F (0c – 42c)
- Dimensions: 16.6” x 18” x 7” (42.1 x 45.7 x 17.7 cm) (4U Rack-mount enclosure)
- All LumenAir systems are CE listed

Please specify required power cord when ordering - U.S., U.K., Germany, China or Japan

Extrucore

Your Extrusion Solutions ® extrucore.com U.S. Tel: 702-875-1442

LumenAir *Rapid-Step* ™



Rapid-Step is the latest addition to the LumenAir series of precision air systems, providing very stable air pressure for the internal lumens of extruded micro tubing. Rapid-Step adds the ability to quickly and repeatably shift the air pressure inside an extruded tube with a variable diameter, often referred to as taper or bump tubing.

Using all-digital, high resolution air pumps and fast digital pressure sensors results in a very repeatable air source for the demanding requirements of making taper tubing. As with all LumenAir versions, Rapid-Step uses no external air compressor and no switching air valves.

Shifting the air pressure is coordinated with your extrusion puller using a digital input signal that selects any one of three preset pressure set points. The pressure change response time can be digitally adjusted from 0.2 seconds, to as long as 8 seconds for a long taper. A graphic display chart lets you monitor the pressure change profile and easily adjust any of the three air pressure set points. The set points can also be remotely adjusted by your closed-loop extruder control system.

For more information regarding Rapid-Step, contact Extrucore sales.
Phone: 702-875-1442
Email: info@extrucore.com