

MicroAir II

Tubing Extrusion Equipment – Air Pressure Regulation and Control: The MicroAir II accepts Air Up and Air Down contact closure inputs from a Diameter Gauge, or other controllers with up/down contact closures or logic outputs. Pressure is regulated by balancing against a low tension spring and by venting the surplus air. Regulates to a set point, controls outside diameter, and hysteresis free regulating action.



Two front panel buttons for manual control and the externally controlled inputs for auto control adjust the pressure set point by means of a small motor which adjusts the spring tension. The buttons are dual-speed for slow or fast pressure changes. Indicators show Up, Down, and limit conditions. Zero to full Scale in approximately 2 minutes.

Air Input: The air inlet is connected to normal factory air which has been regulated down to approximately 50 psi.

Power: 110/220 VAC 50/60Hz
Dual selectable voltage input 110 or 220 volts



RANGES (check out Range page):

- Various ranges from 0 – 3 inches of water or maximum 0 – 5 psi
- Lowest ranges can regulate below 1" of water with highly accurate precision
- Normal ranges (medical): 0-3" of water, 0-5" of water, 0-10" of water, 0-15" of water, 0-30" of water, (automotive tube) 0 – 3 psi or 0 – 5 psi
- The range can be easily changed with a Range Change Kit if needed.

Standard Features:

- Magnehelic pressure gauge (4 1/2") for output pressure display
- Dual speed Red and Green up/down buttons and limit light
- Leftside in / Rightside out on single channel units
- Stainless steel enclosure
- Single channel unit – 12" x 10" x 6"; Dual channel -16" x 10" x 6"; and 3-channel 21" x 12" x 6"

- Damping fluid is used to ensure stable, hysteresis free operation. Fluid does not come in contact with air pressure and does not evaporate.
- Unit must be kept vertical.
- Air connections – ¼” NPT male fittings – locate close to the Die
- WARRANTY – 3 years
- MADE in the U.S.A.

Options Available:

- Digital LED pressure readout for more precision and easier reading. It has better than a 0.1 inch of water resolution.
- OUTPUT Options for closed-loop control:
 - Voltage Pressure output – 0-10 VDC.
 - Current output – 4-20 ma output
- Remote Control unit – A small (8” x 5” x 2”) ss box with standard 100 foot cable, with up/down control buttons and digital display. Remote requires 4-20 ma output option in MicroAir II to connect.
- Stand available for shipping in the U.S.A.

Available in single, dual and 3-channel units for multilumen tubing. All units are CE compliant.



MicroAir II with digital



Dual MicroAir II



**MultiAir 3-Channel
MicroAir II**



MicroAir II with Remote