Efficient control of process air enhances hot melt adhesive spray pattern consistency and nozzle performance.

Process air control kit:
- Improves adhesive add-on control
- Regulates pressure fluctuations
- Enhances bond quality

Process air control kit (PACK) filters, controls and regulates air pressure proportional to production line speeds through the entire application range. Direct line speed signal control provides real-time response, improving control and pattern consistency of most non-contact hot melt adhesive spray applications.

The regulation of process air pressure fluctuations caused by line speed changes improves nozzle performance and provides critical control of adhesive add-on for higher bond quality. Comprehensive filtration of particulate, oil and moisture provides reliable operation and longer service life.

PACK design flexibility meets diverse production needs with two pressure range options (0 to 1.0 or 0 to 3.5 bar), and pressure controls for speed reference input signal using voltage or current. The unit’s compact size allows quick installation.
Specifications

Minimum Supply Pressure 1 bar (15 psi) in excess of set pressure

Maximum Supply Pressure 2 bar (30 psi) for 1 bar units
10 bar (150 psi) for 3.5 bar units

Power Supply 24 VDC ±10%

Input Signal Current type 4 to 20 mA
Voltage type 0 to 10 VDC

Input Impedance Current type 250 W or less
Voltage type @ 6.5 kW

Output Signal Current type 4 to 20 mA (sink)
Voltage type 1 to 5 VDC @ 14kW

Linearity ±1% (full span)

Enclosure IP65 equivalent

Line Reference Cable Lengths (purchased separately) 10, 20 and 30 m (32.8, 65.6, 98.4 ft)

Dimensions (W x H) 277 x 245 mm (10.9 x 9.6 in.)

Maximum Flow Rate 400 lpm (14.1 cfm) @ 2 bar (30 psi) for 1 bar units
1000 lpm (35.3 cfm) @ 4 bar (60 psi) for 3.5 bar units

Particulate Filter 5 micron filter

Oil Separator 0.03 micron coalescing filter

Water Separator AMG-EL 150 (99.9% moisture removal)

For more information, speak with your Nordson representative or contact your Nordson regional office.

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Each kit includes fittings and mounting hardware. Cables in a choice of lengths are purchased separately to facilitate installation.

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