

Air today...

doesn't have to be
gone tomorrow

Pneumatic Repair Kits from Kreuter Manufacturing



Your pneumatics control system has served you well, and now may not be the best time to consider a system upgrade. Extend the life of your pneumatic system with cost-effective, convenient repair kits from Kreuter—the first name in pneumatics.

KMC
CONTROLS

KIT-1000 Series Pneumatic Repair Kits

Our kits will save you money...and it's not just about saving money anymore. Energy efficiency and "recycle and reuse" of existing materials are also important. Most agree that being "green" is good, but it often involves trade-offs (and not just ecology versus economy) when it comes to HVAC systems.

Since replacing a legacy pneumatic controls system with a new digital system should increase energy efficiency and lower operating costs, KMC Controls has proprietary digital and BACnet open systems to fill that need. A large-scale technology retrofit, however, is costly and produces considerable quantities of metal and plastic (from the old controllers, actuators, valves, and related materials) that will need to be recycled or end up in a landfill. Furthermore, although digital controls excel at attaining high energy efficiency while optimizing comfort, replacing a system involves energy for manufacturing, transportation, and installation of the all-new system (which reduces the life-cycle energy savings of the digital system retrofit).

In economically and ecologically sensitive times, KMC Controls (formerly Kreuter Manufacturing Company) can help you extend the life of your old pneumatic system with Kreuter brand repair kits. Easily replacing or upgrading only the parts needed saves considerable "green" in labor and materials and reduces waste products.

We have been manufacturing pneumatic products since 1969, and our full line of pneumatic products is still going strong. While other manufacturers have abandoned pneumatics, we have most recently innovated with the VCB-41/42/46 series valves, the industry's only pneumatic control ball valves, which give greater control, flexibility, and value than traditional globe valves.

To make pneumatic repairs and upgrades as easy as possible for you, we have bundled our popular devices and accessories into convenient repair kits for the most common applications. Those kits are detailed below. (See also www.kmcccontrols.com and our catalog for our many other products.)

KIT-1001 Cooling Only

- "Universal" Reset Volume Controller (CSC-3011-10)
- Two-Pipe Room Thermostat, Direct Acting (CTC-1621), with Scale Plate Options
- Damper Actuator (5–10 psi spring range) with Metal Body (MCP-8031-3101)
- Thermostat Universal Upgrade Kit (HMO-5500)
- Tube Assemblies, 8-inch, with Eyelets and Adaptors (from HFO-0028)
- Screwdriver, Flat Blade and Hex Ends, with KMC Logo (SP-001)
- Product Installation Guides and Application Guide



KIT-1002 Fan Powered and Electric Reheat

- “Universal” Reset Volume Controller (CSC-3011-10)
- Two-Pipe Room Thermostat, Direct Acting (CTC-1621), with Scale Plate Options
- Damper Actuator (5–10 psi spring range) with Metal Body (MCP-8031-3101)
- (3) Pneumatic-Electric Relays, SPDT (CCE-1001)
- Thermostat Universal Upgrade Kit (HMO-5500)
- Tube Assemblies, 8-inch, with Eyelets and Adaptors (from HFO-0028)
- Screwdriver, Flat Blade and Hex Ends, with KMC Logo (SP-001)
- Product Installation Guides and Application Guide



KIT-1003 Fan Powered and Hot Water Reheat (up to 22,300 BTUs Capacity)

- “Universal” Reset Volume Controller (CSC-3011-10)
- Two-Pipe Room Thermostat, Direct Acting (CTC-1621), with Scale Plate Options
- Damper Actuator (5–10 psi spring range) with Metal Body (MCP-8031-3101)
- Modulating Reheat Control Valve, 1/2-inch, 2-Way, N.O., 1.0 Cv, 3–8 psi (VCZ-4102AMBD)
- Pneumatic-Electric Relay, SPDT (CCE-1001)
- Thermostat Universal Upgrade Kit (HMO-5500)
- Tube Assemblies, 8-inch, with Eyelets and Adaptors (from HFO-0028)
- Screwdriver, Flat Blade and Hex Ends, with KMC Logo (SP-001)
- Product Installation Guides and Application Guide



KIT-1004 Fan Powered and Hot Water Reheat (up to 55,800 BTUs Capacity)

- “Universal” Reset Volume Controller (CSC-3011-10)
- Two-Pipe Room Thermostat, Direct Acting (CTC-1621), with Scale Plate Options
- Damper Actuator (5–10 psi spring range) with Metal Body (MCP-8031-3101)
- Modulating Reheat Control Valve, 1/2-inch, 2-Way, N.O., 2.5 Cv, 3–8 psi (VCZ-4102BMBD)
- Pneumatic-Electric Relay, SPDT (CCE-1001)
- Thermostat Universal Upgrade Kit (HMO-5500)
- Tube Assemblies, 8-inch, with Eyelets and Adaptors (from HFO-0028)
- Screwdriver, Flat Blade and Hex Ends, with KMC Logo (SP-001)
- Product Installation Guides and Application Guide



KIT-1005 Differential Air Pressure Flow Sensors (1 each)

- 3⁵/₃₂ inches long (80 mm) sensor, 1 sensing point (SSS-1002)
- 5¹³/₃₂ inches long (137 mm) sensor, 2 sensing points (SSS-1003)
- 7²¹/₃₂ inches long (195 mm) sensor, 3 sensing points (SSS-1004)
- 9²⁹/₃₂ inches long (252 mm) sensor, 4 sensing points (SSS-1005)
- Installation Guide



At KMC, we love air. Why cast your old pneumatic system to the winds when you can repair it, improve it, and make it last for years to come?

building your comfort zone®