FEATURES

- Four Kits Offered for 2, 3, 4 and 5 Phoenix Cylinder System Manifolds
- Plus 1 Kit for Additional Cylinders for up to 14 Slave Sets
- Easy to Install; Kit Uses Flexible Actuation Hoses with Swivel Fittings
- One Kit That Fits Both the 225 lb. and the 395 lb. Phoenix
- Conveniently Packaged to Avoid Confusion When Ordering
- Not Necessary to Order the Single System Actuation Assembly Separately
- UL Listed
- FM Approved

DESCRIPTION

The Fenwal Phoenix Manifold Actuation Arrangement Kit is convenient for both ordering and stocking. The kit is designed to fit both the 225 lb. and 395 lb. Phoenix cylinders and is available for two, three, four and five system manifolds sets (see "Specifications"). The kit comes standard with the single system assembly (P/N 06-129882-001) and is comprised of all the parts necessary for installation, thereby eliminating the possibility of confusion when ordering parts. For handy, easy installation, the kit utilizes flexible actuation hoses and swivel fittings. Figure 1 illustrates the individual pieces of the kit.

INSTALLATION

Once the Phoenix cylinders have been secured and are attached to the distribution piping, the setup for actuation to the manifolded cylinders is simple. Using the single cylinder actuation assembly(s), assemble as shown in Figure 1. Attach each of the pneumatic actuator(s) to an agent cylinder valve. Attach the 16" flex hose to the 3/16" flared tee (shown threaded into the nitrogen transfer fitting; see Figure 2.) Then, attach each pneumatic actuator (P/N 878737) to the slave nitrogen drivers. Once the final pneumatic actuator is attached to the last nitrogen driver in the manifold, apply pipe tape and thread the flared elbow into the top of the pneumatic actuator. The remaining flared tees should be threaded into the tops of the pneumatic actuators located on the slave nitrogen drivers. Once the flared fittings and actuators are installed on all agent cylinders and nitrogen drivers, the flex hoses can then be attached as shown in Figure 2. The 46" flex hose is used to connect the actuation circuit between the nitrogen drivers; the 22" flex hose is used to connect the actuation line from the transfer fitting of the master cylinder set to the first slave nitrogen driver.

Note: For cylinder sets larger then five sets, order the Plus 1 actuator set for each additional cylinder set.

SPECIFICATIONS

Flex Hose Material: Stainless Steel and Brass Fittings
Fittings Material: Brass
Pneumatic Actuator: Various Brass Fittings

Approximate Weights:

- P/N 06-129944-002 Two Phoenix Cylinder Set 6.0 lb. (2.2 kg)
- P/N 06-129944-003 Three Phoenix Cylinder Set 9.0 lb. (3.4 kg)
- P/N 06-129944-004 Four Phoenix Cylinder Set 11.0 lb. (4.1 kg)
- P/N 06-129944-005 Five Phoenix Cylinder Set 14.0 lb. (5.2 kg)
- P/N 06-129944-100 Plus 1 Cylinder Set 3.0 lb. (1.1 kg)
### Ordering Information

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<th>Number of Cylinders</th>
<th>Kit P/N</th>
<th>Actuation Assy P/N</th>
<th>22&quot; Flex Hose P/N</th>
<th>36&quot; Flex Hose P/N</th>
<th>Pneumatic Actuator P/N</th>
<th>3/16&quot; Flare Tee x 1/8&quot; NPT P/N</th>
<th>3/16&quot; Flare Elbow x 1/8&quot; NPT P/N</th>
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![Diagram](image-url)

**Figure 1. Actuation Kit Parts**

- Actuation Assembly Kit P/N 06-129982-001
- Slave Nitrogen Driver (Typ.) with Pneumatic Control Head (P/N 878737)
- Nitrogen Transfer Hose
- 22" Flex Hose P/N 06-118193-003
- 3/16" Flare Tee x 1/8" NPT P/N 06-118285-001
- 3/16" Flare Elbow x 1/8" NPT P/N 06-118284-001
- Agent Cylinder
- Master Cylinder Set
- 14 Slave sets of Agent and Nitrogen Driver Cylinders

**Figure 2. Pressure Actuation Using Pressure from One Master Nitrogen Driver Cylinder to Actuate a Maximum of Fourteen Slaves (Fifteen Sets Total), Close Coupled**

Note: Each Agent Cylinder will be connected to the distribution piping either through a valve outlet adapter or a flexible discharge hose. Each agent cylinder is capable of activating 1 pressure trip and/or 1 pressure switch.

These instructions do not purport to cover all the details or variations in the equipment described, nor do they provide for every possible contingency to be met in connection with installation, operation and maintenance. All specifications subject to change without notice. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser’s purposes, the matter should be referred to KIDDE-FENWAL, INC., Ashland, MA 01721.