



NOTE: INTERNAL VALVES SHOWN ARE NOT INCLUDED.

P Series Pneumatic Actuators

All Fisher™ internal valves can be ordered with a pneumatic actuators that permits the valve to be opened and closed from a remote location. Two styles of pneumatic actuators are available: P600 Series ‘Brake Chamber’ style actuators and P700 Series ‘Rotary’ style rack-and-pinion actuators. For the P600 Series when air pressure is applied to the actuator, it moves the actuator’s rod and internal valve operating lever to the open position. Upon loss of air pressure, the valve’s operating lever returns to the closed position. For the P700 Series, when air pressure is applied to the actuator, pistons act on a gear assembly that rotates the internal valve lever to the open position. Upon loss of air pressure, the valve will return to the closed position. In addition, the P700 Series supply source can be propane vapor.

Use of a pneumatic actuator permits the opening and closing of the internal valve to be tied into the air brake of the transport or bobtail. Pneumatic Actuators can also provide a convenient way to remotely operate a number of internal valves on stationary storage tanks at bulk plants.

Type P389 (1-1/4 in. / DN 32 Size) – This actuator can only be used with the C407-10 Series valve. All necessary hardware for installing the actuator is included. Minimum pressure is 60 psig / 4.1 bar; maximum

pressure is 250 psig / 17.2 bar. Fuse Plug Part Number T1140399982 ordered separately.⁽¹⁾

Types P613, P623, P639A and P614A Brake Chamber Actuators – The actuator attaches directly to the valve after removal of the cable-operating lever. Included in each assembly is an operating lever and appropriate mounting hardware specific to each respective valve.

These actuators can only be used with the internal valves as specified on the table below.

Types P731, P713, P714, P723 and P739 Rotary Actuators – The actuator attaches directly to the valve after removal of the cable-operating lever. Included in each assembly is an operating lever and appropriate mounting hardware specific to each respective valve in addition to air pressure, nitrogen and carbon dioxide, the P700 Series can be actuated with propane vapor.

Fuse Plugs – When installed in the actuator piping at the valve, will allow the pneumatic pressure to vent closing the valve if the plug is exposed to temperature between 208 to 220°F / 98 to 104°C. Fuse plugs are available in two sizes, 1/8 in. NPT (T1140399982) and 1/4 in. NPT (T1033699982). Fuse Plugs come with all Types P600 and P700 actuators, EXCEPT Type P389. Part Number T1140399982 to be ordered separately.⁽¹⁾

Pneumatic Actuators Ordering Information				
INTERNAL VALVE TYPE	BRAKE CHAMBER STYLE PNEUMATIC ACTUATOR		ROTARY STYLE PNEUMATIC ACTUATOR	
	Type	Supply Pressure Range, psig / bar	Type	Supply Pressure Range, psig / bar
C407-10	P389 ⁽¹⁾	60 to 250 / 4.1 to 17.2	P731	50 to 125 / 3.5 to 8.6
C484-24	P613	20 to 125 / 1.4 to 8.6	P713	25 to 125 / 1.7 to 8.6
C483-24	P623	20 to 125 / 1.4 to 8.6	P723	25 to 125 / 1.7 to 8.6
C471 and C477 (2 and 3 in. NPT Sizes)	P639A	20 to 125 / 1.4 to 8.6	P739	25 to 125 / 1.7 to 8.6
C404-32	P614A	40 to 125 / 2.8 to 8.6	P714	40 to 125 / 2.8 to 8.6

1. Fuse Plug Part Number T1140399982 must be ordered separately.