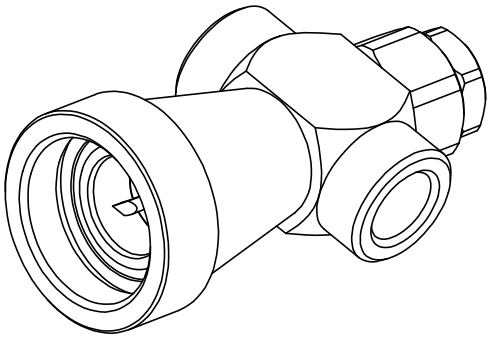
PNEUMATIC ACTUATOR

(Part number 30027201 - Pneumatic cone
Part number 35116429 - Tee for pneumatic cone)

The pneumatic actuator can be installed on to the iFLOW valve. It comprises of an internal piston complete with firing pin. Following a pressurised actuation, the firing pin moves forward and ruptures a burst disc in the iFLOW valve causing it to operate. Fitting can consist of up to three actuation hoses. It is supplied with a 1/4 in. blind cap that can fit to the unit to blank off one of the inlets, if a requirement of the container bank configuration.

The actuator requires a minimum pressure of 60 bar to cause operation.



⚠ WARNING

Failure to reset the actuator prior to fitting onto the container valve results in the immediate operation of the container valve and the potentially hazardous discharge of the container.

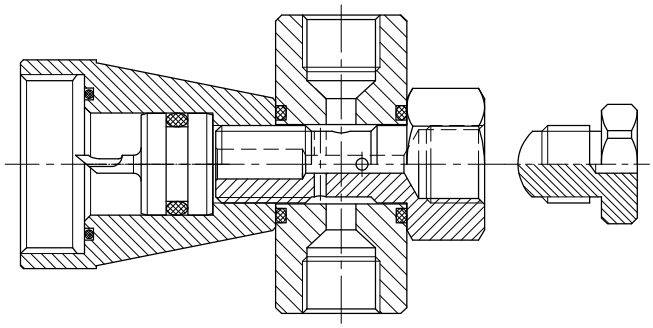


FIGURE 3-12
PNEUMATIC ACTUATOR
025757 / 025387

Technical information

Body:	Brass
Actuator pin:	Stainless steel
Pipe connection:	M30 × 1.5 Female
Inlet connections:	1/4 in. BSPP
Maximum working pressure:	370 bar
Minimum trigger pressure:	60 bar
Nominal trigger pressure:	100 bar (with pilot container) 300 bar (without pilot container)
Maximum trigger pressure:	370 bar
Weight:	0.17 kg (pneumatic cone) 0.20 kg (tee for pneumatic cone)
Working temperature range:	–20 °C to 50 °C
Testing of actuator:	Possible
Approvals and listings:	LPCB, VdS
Certification:	EN 12094-4
CE certification number:	0786-CPR-30139
Year of CE marking:	2011
CE marking requirements:	Manufacturer, part number, serial number, working pressure, CE_{0786}
Method of marking:	Engraving
Overall size:	64 mm × 50 mm

Location on system

The pneumatic actuator connects to the port on the container discharge valve. To install the pneumatic actuator, see Section 4 - Installation.

Note: Use the 35 mm to 60 mm **C Spanner** (Part number 35017401).

Operating instructions

The pneumatic actuator operates through pressure received from a hose connection from either the master container or pilot container. When operated, the pneumatic actuator requires manual resetting before refitting to the iFLOW container valve.

Maintenance instructions

See Section 6 - Servicing and Maintenance.