



Manufacturers and Distributors of hygienic stainless steel fluid handling equipment

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Installation and Operating Instructions: Diamond Actuators ACT107 & ACT301 For DPL Diamond Butterfly Valves and Ball Valves

Important Information

To avoid serious injury the operator should not attempt to dismantle the actuator under any circumstances. The actuator is a factory sealed unit that houses a powerful spring under compression. The actuator is a non-serviceable unit that is factory sealed and lubricated for life. Please consult DPL for further assistance.

Actuator Installation

- Ensure that the product line is clear and that the line pressure is zero, the air-line and electricity supply (where connected) should be isolated / disconnected prior to any work being carried out.
- Ensure that the valve / actuator assembly is supported adequately by using suitable pipework supports on both sides of the valve body on installation.
- Please follow the procedures shown on the separately supplied “Diamond Butterfly Valve Maintenance Instructions” for details of fitting the actuator to the Butterfly Valve or for actuator removal / replacement.

Actuator Operating Instructions

The actuator air inlet is located at the top of the actuator as shown below. The exhaust is located on the under-side of the actuator and is fitted with a pneumatic silencer.

****IMPORTANT**** Great care should be taken when operating the actuator when the Butterfly Valve or Ball Valve is fitted. Fingers must be kept clear of the valve disc at all times when the actuator is operated to avoid entrapment or crushing when the disc is in motion between the open / closed positions.

Technical Data

Air connection size: 1/8”BSP Female
Recommended air supply pressure: 5.5 Bar
Maximum air supply pressure: 8 Bar
Weight: ACT301: 2.3 Kg
Weight: ACT107: 4 Kg

