



Manufacturers and Distributors of hygienic stainless steel fluid handling equipment

## Installation and Operating Instructions The Diamond Series 4 Actuator When Fitted With the DPL Diamond Butterfly Valve

### 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. Caution should be taken during operation of the actuator due to the possible risk of finger entrapment from moving parts, see below.

### 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 also be isolated and 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 centrally 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.

**CAUTION should be taken during operation of the actuator due to the possible risk of finger entrapment from moving parts, as indicated below:**

Air connection size: 1/8" BSP Female  
Working temperature: -10 to + 75 Deg C  
Air Consumption: 0.266 Litres on air stroke

Maximum air supply pressure: 7 Bar  
Recommended air supply pressure: 5.5 Bar  
Weight: 3.85 Kg

