Diamond Butterfly Valve Installation & Maintenance: ATEX Directive 2014/34/EU & The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 SI 1107

IMPORTANT INFORMATION Please read carefully before installing your unit.

This document should be used in conjunction with the DPL Installation & Operating / Maintenance Instructions accordingly.

Additional Information for ATEX / Equivalent UK Regulations Compliant Valves:

ATEX / Equivalent UK regulations compliant valves that support the Ex compliance symbol pictured below are fitted with additional components that are essential to the safe operation of the unit in hazardous environments. When valves are dismantled for welding or for maintenance it is important that they are correctly reassembled as depicted below. Assembly illustrations of the Butterfly Valve are shown below, detailing the additional components, numbered accordingly.

Valves fitted with Actuators:

When maintenance is performed on the valve, there is an additional operation of removing, and replacing, the earth spring, collar and washer. When in use, the collar, spring and washer as shown below should be positioned at the bottom of the spindle square so that sprung contact is made between the washer and valve body. The grub screws should always be tightened securely onto the spindle shaft. Once assembled, check that there is electrical conductivity between the valve spindle and the valve body, using a multi-meter. If no conductivity exists, the valve should not be used.

Manual Valves:

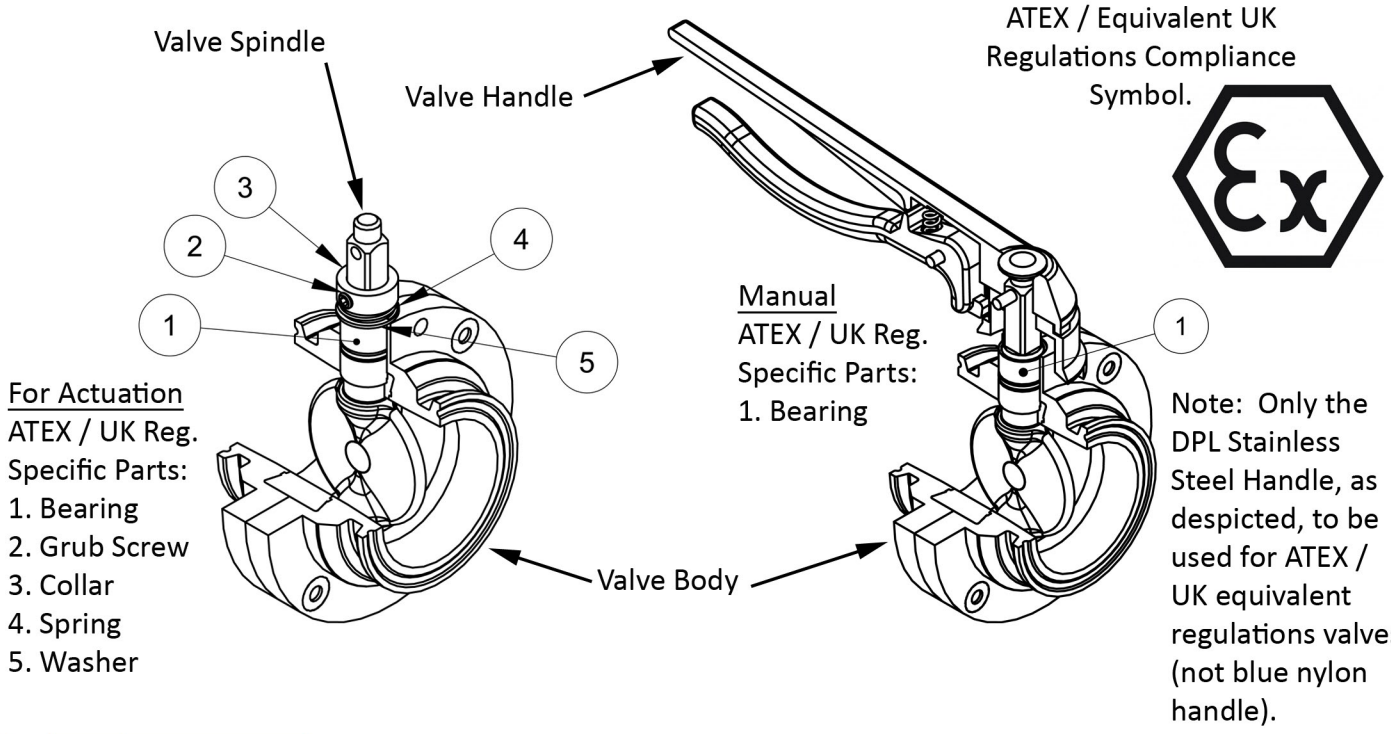
For manual valves an extra anti-ingress bearing is fitted above the O ring seal in the upper body section as shown. In addition to our documented standard installation instructions it is important that ATEX / equivalent UK regulation manual valves are not installed with the handle underneath the valve body (upside down). This is to prevent the build up of dust inside the handle mechanism. Once assembled, check that there is electrical conductivity between the valve handle and valve body, using a multi-meter. If no conductivity exists, the valve should not be used.

Temperature Rating: Valves carrying the Ex symbol as below are marked T6...T4, 85°C...135°C.

This temperature range is provided to cover process media temperatures for valves fitted with seal material as follows: Max Operating Temperature: Nitrile 85°C. EPDM, Silicone & Viton: Max Operating Temperature 135°C.

Important Note - Actuated and Manual Valves:

PIPEWORK THAT IS TO BE CONNECTED TO MANUAL OR ACTUATED DPL ATEX / EQUIVALENT UK REGULATIONS COMPLIANT VALVES MUST BE EARTHED.



For Actuation
ATEX / UK Reg.
Specific Parts:
1. Bearing
2. Grub Screw
3. Collar
4. Spring
5. Washer

Manual
ATEX / UK Reg.
Specific Parts:
1. Bearing

Note: Only the DPL Stainless Steel Handle, as despicted, to be used for ATEX / UK equivalent regulations valves (not blue nylon handle).

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