

Installation Operation and Maintenance Guide



Design Requirements

The Aleum grooved butterfly valve should be connected to the piping system with approved couplings or flange adapters. Flow may be from either direction, and the valve may be positioned in any direction.

Aleum butterfly valves have been designed with a slow close hand wheel operator which effectively minimizes water hammer. These valves feature minimum flow restriction and pressure loss when in the fully open position.

Care & Maintenance

Aleum butterfly valves require no regular maintenance. However, it is advisable to inspect and verify proper operation of the unit annually or in accordance with the authority having jurisdiction.

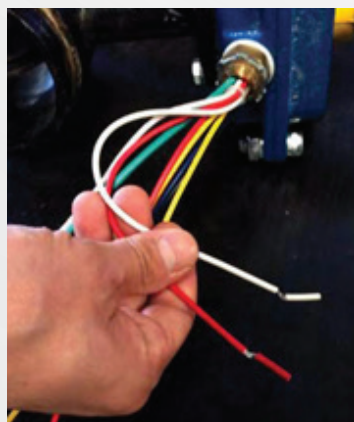
The inspection should include a visual check for leakage at the valve pipe connection and body to operator connection. Inspection and maintenance should be performed by a qualified inspection service.

Switch Installation

Aleum butterfly valves are provided with internal supervisor position switches. The tamper switch operates by a cam.

Installation

When the valves are received from the manufacturer they should be handled carefully to avoid breakage and damage to the seating area. Before installation of the valve, clean piping, flange and coupling. When the valve closes hard, it is usually due to debris lodged in the sealing area. Often this may be corrected by backing off the hand wheel and closing again. The valve should never be forced to seat by applying a wrench to the hand wheel as this may distort the valve components or score the sealing surface. The use of excessive force to open or close the valve violates all warranties whether express or implied. The inlet and outlet pipe adjacent to the valve should be properly supported to prevent excessive stress on the valve body. The valve should not be used to force a pipeline into position as this may result in distortion of the valve body. Conduit and electrical connections to the optional tamper switch must be in accordance with National Electrical Code (NFPA 72) and or the requirements of the local authority having jurisdiction.

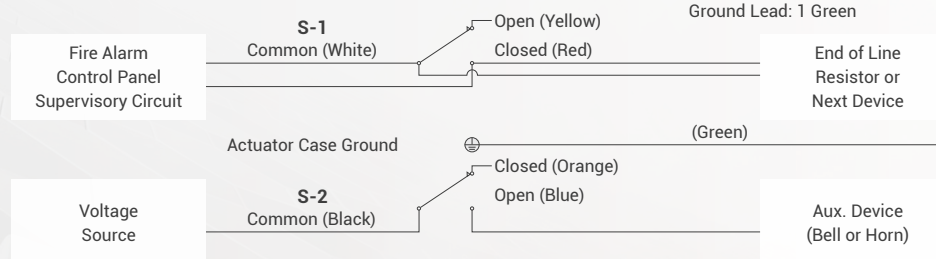


Switch #1

For connection to the supervisory circuit
 Normally closed: 2 Red
 Normally open: 2 Yellow
 Common: 2 White

Switch #2

Auxiliary switch connected per authority
 Normally closed: 1 Orange
 Normally open: 1 Blue
 Common: 1 Black
 Ground Lead: 1 Green



Note 1. Rated: 5A-1/6HP-125/250V

For **NO SIGNAL** in fully open position "Normally Open". Use **RED / WHITE**

We are noticing a growing number of alarm techs nationwide are not properly practicing wiring procedures on butterfly valves. specifically, they are connecting wrong wires. This can ve easily avoided by using a voltmeter, but for whatever reason, they are skipping this mandatory, crucial step.

All our butterfly valves with a tamper switch (both Bronze and Ductile types), require connecting RED and WHITE wires to the alarm panel when used in normally open applications. Some are **WRONGLY** using white and yellow and claiming that our product is defective. Please be informed and educate all involved.