FAILSAFE ELECTRIC ON/OFF 2 WAY uPVC BALL VALVE

TYPE 3704

Features:

- > **Full bore for maximum flow rate**
- > **Compact assembly**
- > **Corrosion resistant materials**
- > **Valve rated at 16 bar uti 2" at 20˚C**
- > **Failsafe electric actuator**
- > **Local & remote visual position indication**
- > **Quick and easy to install**
- > **Economically priced**

General:

uPVC is ideal for conveying potable water as it is odourless and tasteless, and for conveying food products. It has excellent chemical resistance.

The failsafe electric actuator used industrial rechargeable batteries to provide an alternative power source should the mains power fail. The industrial rechargeable batteries offer long life and are oversized to cover degradation in the unlikely event that it should occur.

Actuator features include local and remote end of travel confirmation, manual override and all external electrical connection, eliminating the need to remove the cover to connect

Specifications:

Valve body	uPVC
Valve ball	uPVC
Ball seats	PTFE
Stem seals	EPDM (Viton option)
Valve pressure range	16 b uti 2", 10b rest*
Valve temp. limits	0 to 60˚C
Supply voltage to actuator	24DC, 24, 110 or 240V AC

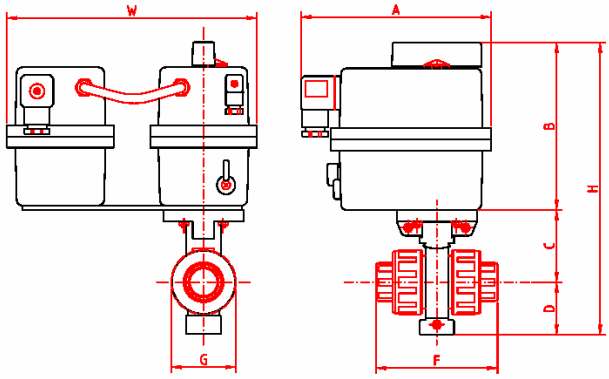
Applications:

Water and many corrosive media, subject to compatibility with wetted parts in contact with media.
Pressure ratings shown are at 20˚C
* Actuators sized using max differential of 6 bar wet service – if this is to be exceeded, call to check actuator sizing.

Installation:

Can be mounted in any orientation although valve horizontal with actuator vertical is preferred.. Valve ends are imperial or metric solvent weld, or BSP (Specify on order)

Dimensions: Available on request

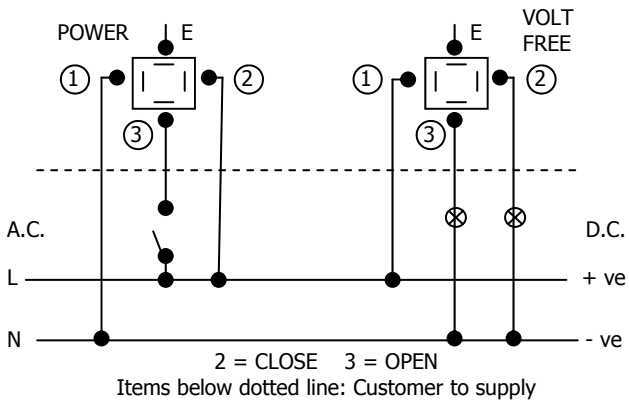


On/Off, stays put on power failure: Type 3704

Principle of operation:

Under normal operation, the actuator works as a normal power open, power close actuator. Under these conditions, the incoming mains power trickle charges the industrial re-chargeable batteries to maintain them at full power.
Should the mains power fail, an internal relay drops out and immediately draws battery power to the actuator to close it, if it is not in the closed position already.
On resumption of mains power, the BSR will re-set the actuator in accordance with the control signal being applied ie: if the control signal is to open, the actuator will open on re-sumption of mains power

Wiring Diagram (AC or DC):



Items below dotted line: Customer to supply