

# BFV BUTTERFLY VALVES INSTALLATION AND MAINTENANCE INSTRUCTIONS



## 1. WARNING

Installation, adjustment and maintenance of the valve must be carried out exclusively by skilled and authorized service technicians. Non-proper installation, adjustment, changes, use and maintenance may cause damages to the personnel or to the equipment. Consequently, it is necessary to respect strictly the following instructions and local prescriptions for both the installation of electric devices, in case of motorized valves, and of gas systems.

## 2. INSTALLATION

**2.1** Make sure that all operating data indicated on the valve plates correspond to those of the system.

**2.2** When installing the valve be sure that there is sufficient clearance above the gear cover and that it can be easily accessible in order to perform manual servicing, automatic servicing by means of a gear motor or servicing by means of levers.

**2.3** The installation of the BFV valves can be performed in any position but the position with horizontal axis is recommendable.

**2.4** The valve can be installed in any location except where acid fumes or other deteriorating vapour may attack its metal parts or where gas leaks or explosive vapours are present in the atmosphere

**2.5** Do not use the valve as a lever.

## 3. OPERATING

**3.1** Before operating the following points must be checked carefully:

- Tightness of the external gas pipes.
- That valve adjustment is performed within the requested angle range.
- Those mechanical locks or other retainers that may damage the valve have been removed.

**3.2** Once these preliminary checks have been performed, the main gas tap can be opened and the operation test can be carried out.

## 4. MAINTENANCE AND CHECKS

**4.1** The BFV valves do not require any particular current maintenance because they do not need lubrication.

**4.2** It is recommendable to check at least once a year that the mechanical connections have not been modified, especially in case of systems, which do not function vibration-free.

## 5. REPLACEMENT

In case replacement of the valve is necessary, proceed as follows:

**5.1** Close the main gas tap.

**5.2** Remove the mechanical connections from the valve axis.

**5.3** Remove the valve body from the inlet and outlet flanges by loosening the fastening screws from the respective nuts.

**5.4** Install the new valve proceeding as per instructions reported in the foregoing chapters.

All the reported data are subject to be changed without notice.