



ZiBo Huihua Valve Industry Co.

No.36, Min An Rd. ZiBo National Hi-New Technology Industry Park, ZiBo Shandong China 255000

Tel: +86-533-6215616/3981488 ; Fax: +86-533-6215618

Website: <http://www.2hvalve.com>; <http://www.hiwa.cn> ; E-mail: sales@hiwa.cn

SPECIFICATION FOR INSTALLATION ,OPERATION AND MAINTENANCE OF CENTRAL BUTTERFLY VALVE :

I . SPECIFICATION FOR INSTALLATION

i .SUMMARY

- (1) The installation of central butterfly valve has no requirement for special flow direction, so it can be installed from any direction.
- (2) The stem can be installed in any position ,if the position can be chosen , horizontal position is suggested. It can reduce the wastage in the pipeline caused by balancing dispersing the weight of valve stem and discs.
- (3) This kind of installation escapes the gathering of impurity in the medium and can keep the valve clean.
- (4) Do not make the valve hit the flanges, in case the rubber seat should be damaged.
- (5) In order to make sure the disc can circumgyrate freely, inspection after installation is quite necessary.

ii INSTALLING VALVES TO THE PIPELINE

- (1) Check whether there are enough space between flanges that connect the valves.
- (2) If necessary, install the valves in suitable working room with proper tools.
- (3) Make the valve closed ,so that the valve can be put into the obligated place ,also can prevent the sealing device being damaged.
- (4) Put the valve between the flanges, adjusting and fastening the bolts.
- (5) Before screwing down the bolts, the valve should be put in the middle place between the flanges ,then carefully open the disc to make sure the butterfly valve can work without any obstacle .If the inner nominal diameter is too small and the thickness of the pipe is too large, the disc of the valve which are installed onto above pipe will not work freely. This need necessary rectifications such as taper cutting to the end of the pipeline or installing isolating gasket in order to eliminate these barriers.
- (6) Remove the tools near to the flanges, screwing down the bolts to make sure the right position between the valve and the flanges.
- (7) Open the valve,and use proper tools to screw down all the bolts on the valve.
- (8) Examine whether the valve is installed onto the pipeline properly and make sure the disc can shut-on freely.

iii REMOVE THE VALVE FROM THE PIPELINE

- (1) Isolation from pipe pressure and step down before disassembly, make sure there is no pressure in the pipeline.
- (2) Close the valve till it's completely closed.
- (3) Loosen the bolts in the valve and bring them out of the valve.
- (4) Make enough space between the flanges in order to bring out the valve.



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II MAINTENANCE OF THE VALVE AND THE ACTUATOR (WORM GEAR)

Timely examination on the fixedness of the valve is needed and the mechanical capability of the actuator(worm gear) should be kept.

III THE STORAGE OF THE VALVE AND THE ACTUATOR (ACTUATOR)

i PROTECTION MEASURES

- (1) For short storage (less than 24 months), the valve seat should be lubricated with talcum powder. And the valve should be put in cool, dry, and shady environment.
- (2) The valve seat should be coated by talcum powder or silicone spray.
- (3) The valve should be put into room with temperature at 10° C.
- (4) Pack the rubber seat with hard cardboard box and pack the disc with plastic sheet.
- (5) Then put above parts in cool, dry and shady environment .

ii NOTICE FOR REPEATED USAGE OF THE VALVES

Get rid of the sealing packing , erase the talcum powder with wet cloth.

iii THE MAINTENANCE OF THE ACTUATOR (WORM GEAR)

The actuator(worm gear) should be put in dry environment with temperature 0—5° C. In order to prevent the lubricating oil from losing , the actuator must completely shut-on for one time every three months.