BUTTERFLY VALVE 4800

INSTALLATION INSTRUCTION AND STEPS

The OVC 4800 Butterfly valve is a resilient seated Butterfly valve designed for use in ASME Class 150 piping systems.

The seat and disc design, insures positive valve sealing, while maintaining low seating torque.

Each valve has an identification tag attached to the valve body. Information on this tag includes the valve series and number.

The OVC 4800 valve series may be used for dead end service up to 75 psi.

Pre-Installation Instruction:

1. Before installation, all valve seats and pipe flanges should be free of dirt, grit, dents, or surface irregularities, which could disrupt flange sealing and cause external leakage.

2. Carefully check whether the condition is consistent with the performance specification of the valve.(Temperature, Pressure, Medium)

3. The valve should be installed in time after opening the packing. Please do not loosen or tighten any set screw or nuts on the valve. Ensure the seat is not exposed to the sun and dust,and not be scratches.

4. Wafer type butterfly valve must use the suitable flange.

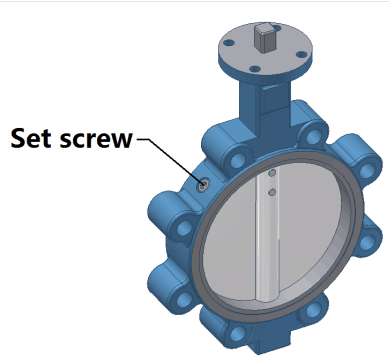
5. Electric butterfly valve can be installed in any position on the pipeline. Do not reverse installed in order to convenient maintenance.

6. When the butterfly flange is installed, please make sure that the flange and valve sealing surface rubber must aligning , tighten the bolts evenly , the sealing surface must be fit completely. If the bolts tightened not evenly maybe occur leakage.

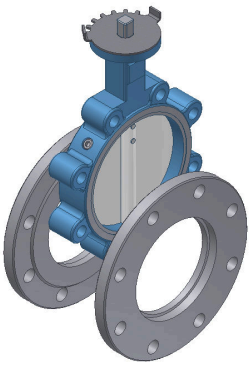
7. This type valve biggest opening angle is 90° ,the disc can be opened in any position between0° -90 , for the purpose of opening,closing and control the fluid.

Installation steps:

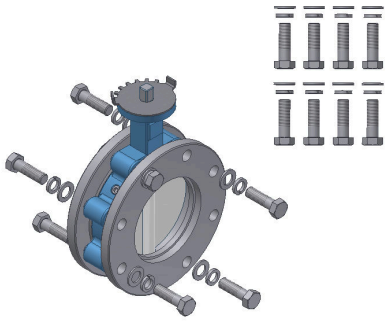
1. Note: 4800 Butterfly valve set screw is at the best position, DO NOT ADJUST!



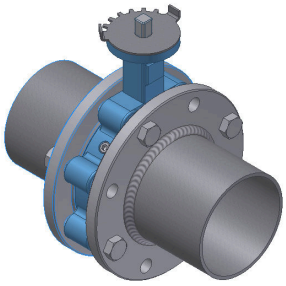
2. As shown in the figure, the valve is placed between two pieces of pre-installed flange. Note that the flanges should be parallel, flange surface should be flat, no burr and acute angle around the sealing surface, bolts holes should be aligned neatly.



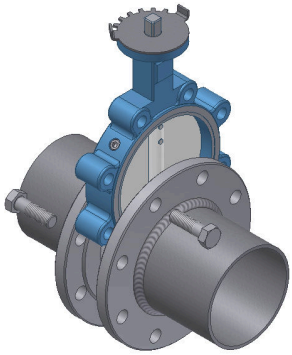
3. Using bolts fix the valve, (at least 4 bolts each face or more)to correct the plane degree of the flange face. Note this type valve does not require to add sealing gasket.



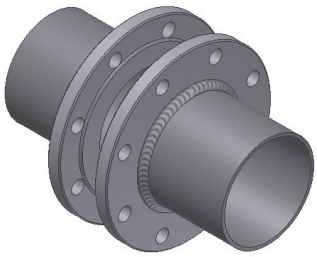
4. Using spot welding to fixed the flange into the pipeline.



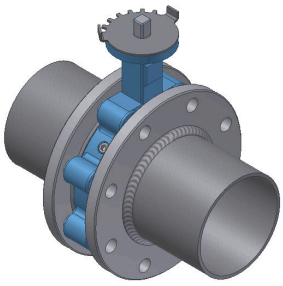
5. Move the valve out of the flange.



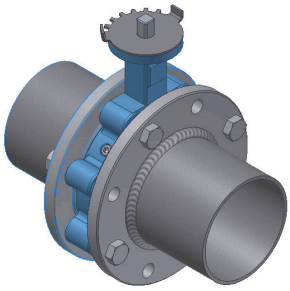
6. Fix the flange on the pipeline completely by welding. When welding, it should be uniform and fast, to prevent to product welding stress, cause the flange surface deformation. Ensure the two pieces of flangesare parallell and perpendicular.



7. Install the valve after solder cooling.Ensure the valve has enough space between the flanges to prevent the valve damaged and ensure the disc has some opening angle



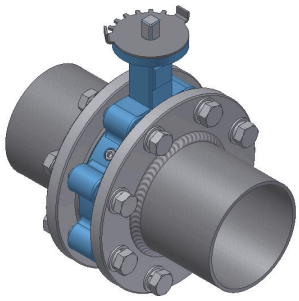
8. Correct the valve position and tighten the two face bolts in order of diagonal.



9. Open the valve to ensure the disc can opened and closed freedom.

10. Cross balance and tighten all the nuts.

11. Recheck the valve can be opened and closed freedom. Note:the disc can not touch the pipeline.



12. Advice using bracket to support the larger size valves.