

### PTFE Lined Butterfly Valves



Fig.225



Fig.226

#### **Storage**

During storage, the valves must be well protected with dust covers to avoid scratches, damage to the PTFE sealing surface.

Stock the valves indoors in dark and cool places and never expose them to light and warm ambient temperatures.

During the storage, the valve disc must be in the slightly open position with an angle between 3~5°.

#### **Before installation**

Before installation of the valve, there will be a slightly deep depression on the inside of PTFE seat where the disc and PTFE contacts due to the slightly open position of the valve by 3~5°. The valve will easily happen with leakage if it is directly mounted for usage. Because the PTFE material is very hard and has almost no resilience, it mainly depends on the rubber backup to compensate the depression.

Therefore, the valve must be fully opened and closed 8~10 times repeatedly to remove the depression on the PTFE seat before pressure test or usage.

If the valve is still leaking after pressure test or usage for a period of time, then appreciately tight the adjusting bolts on the valve body to solve the problem. (It is very IMPORTANT to make sure that the fastening positions of the adjusting bolts are in one surface so that each bolt is tight and not skewed!)

The pipes and flanges have to be clean and free of particulate matters. Otherwise it is easy to cause damage to the PTFE seat and disc sealing surface. This will affect the sealing effect and service life of the valve.

#### **Installation**

There is no need to use any gaskets between the flanges and the butterfly valve during installation.

Carefully place the butterfly valve between the flanges, with the disc in closed position. Check that the flange covers the area of the seat. Afterwards put the flange bolts on the right position but not tight them. Carefully open and close the valve to check that the disc centralizes and the disc does not touch the flange, then tighten the flange bolts crosswise.

Before commissioning, the pipeline has to be rinsed out to remove dirt and remnants of welding material. During the rinsing procedure, the butterfly valve has to be positioned as open and may not be operated before the rinsing has been completed.