



# **SILENT THREADED CHECK VALVES**

## **INSTALLATION & MAINTENANCE INSTRUCTIONS**

### **General:**

Stayflow threaded style center guided check valves are spring loaded single disc valves used to prevent backflow, while also minimizing the effects of water hammer due to the reversal of fluid flow operating smoothly and silently.

### **Application:**

1. The valve can be installed either horizontally or vertically, with the flow arrow pointing in the direction of flow when the system is in operation. Consult factory if installing in vertical down flow applications.
2. Center guided spring loaded check valves are designed for fluid applications. They are not designed for use in applications that include particulate matter or suspended solids.
3. Check clearances when installing on a butterfly valve. The Butterfly Valve must be installed on the discharging side only. The wafer style valves are not compatible with Butterfly Valves.

### **Installation:**

1. Inspect valve for shipping damage, insure all parts are intact.
2. It is recommended to use an anti-seize thread sealant to prevent internal valve leakage.
3. Flow arrow must point in the direction of flow when system is operating.
4. The valve and adjacent piping must be supported and aligned to prevent stress from being transferred to the valve's flanges.
5. The torqueing of the flange bolts should be done in several graduated steps, using the number sequence shown in the figure below. This even loading of the flange bolts will eliminate concentrated stresses which could fracture the valve's flanges

### **Testing:**

Valve may be one-time pressure tested to 1-1/2 times the product's maximum operating pressure. Do not exceed maximum pressure or temperature during operation.

### **Precautions:**

Do NOT inspect the seat area of the valve by removing the piping from the inlet side of the valve when back pressure is present. This will result in the seat and trim of the valve being damaged.

### **Storage:**

Store valves with flow arrows pointing upwards.

### **Maintenance:**

Silent check valves have no serviceable parts and do not require maintenance. Stayflow recommends periodic inspection.

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