

INSTALLATION OPERATION AND MAINTENANCE INSTRUCTIONS BALL CHECK VALVE - THREADED

Working temperature 0 °C/100 °C

Threaded according to BSP.

WARNING: NEVER PUT HANDS OR ANY OTHER OBJECT IN THE VALVE - SERIOUS INJURIES WILL OCCUR AND VALVE WILL BE DAMAGED.

PRE – INSTALLATION:

To minimize straining of valve body, make sure the mating ends of the pipeline are in line and correct distance apart.

INSTALLATION:

For horizontal service, valves should be installed with the inlet and outlet at the same level. The cover should be facing upward to allow proper ball action. The arrow on the body must be pointing in the direction of intended flow. For vertical flow up service, install the check valve with the ball end down. The flow arrow should be pointing up.

Make sure that no foreign particles enter the valve and proceed with installation. A suitable thread sealant (ex. PTFE tape) should be applied to male tapered threads to assure a "leak-tight" seal. The assembly needs to be made only "hand-tight" followed by a quarter (1/4) turn with a strap wrench. Do not over tighten or use pipe wrenches.

STORAGE, PROTECTION, OPERATION, DISASSEMBLY AND MAINTENANCE

STORAGE AND PROTECTION:

CAUTION: IF THE VALVE IS TO BE STORED FOR A LONG PERIOD OF TIME BEFORE INSTALLATION IT SHOULD BE STORED IN A COOL, DRY AND CLEAN WAREHOUSE TO PREVENT DAMAGING EFFECTS.

Valves stored for a longer period should be maintained as follows:

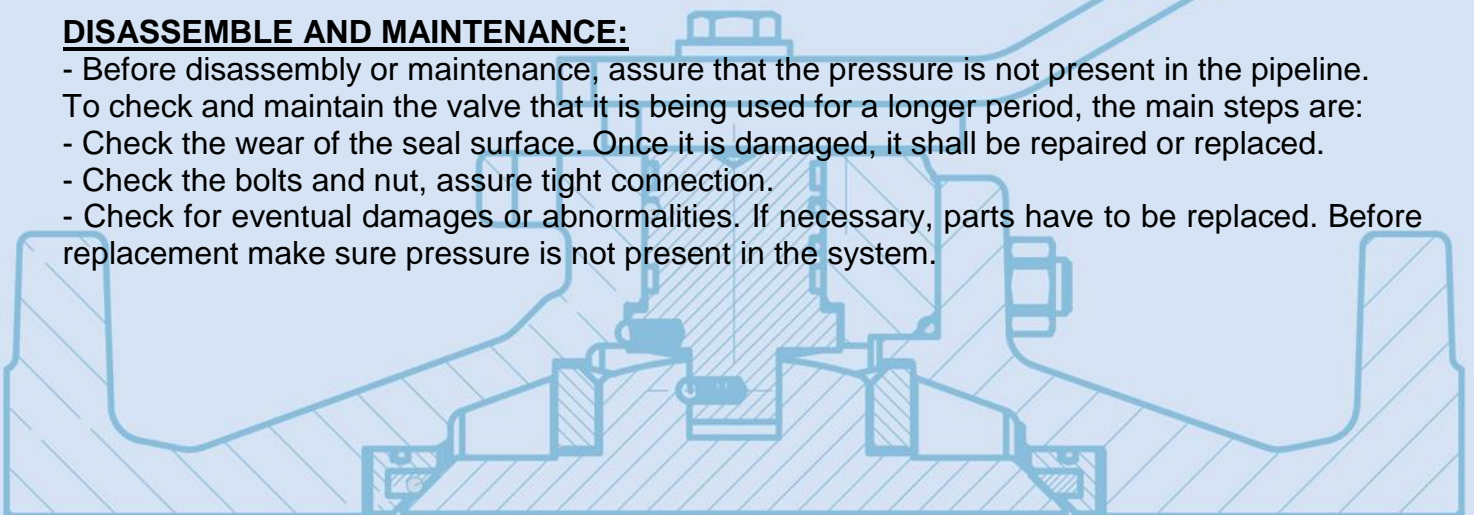
- Clean the dirt and grease machined surfaces with some antirust oil at least every 3 months.

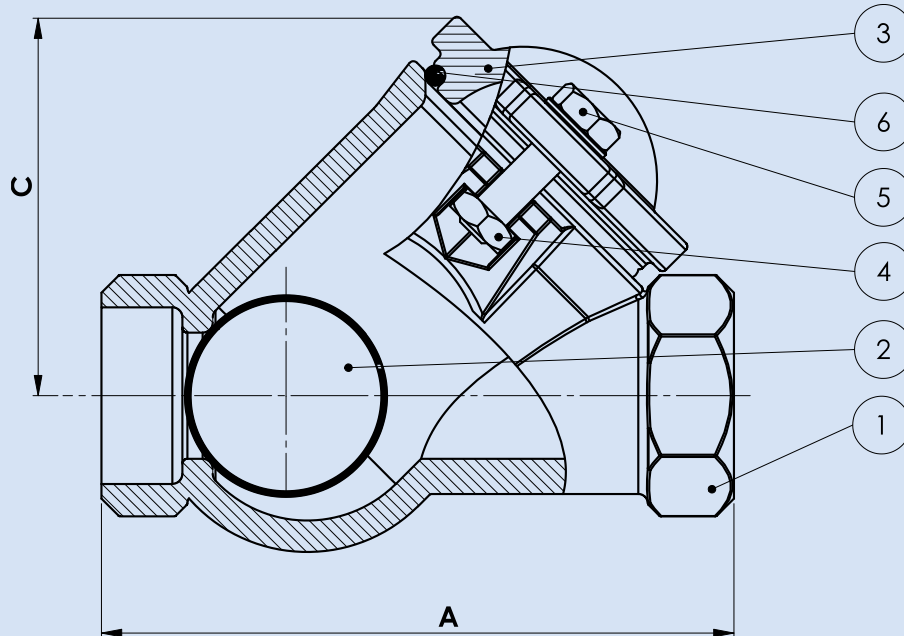
OPERATION:

Check valve does not require any specific action by the system operator for correct operation once installed. When the inlet pressure drops below the outlet pressure, the check valve will close to prevent reverse flow. When the inlet to outlet differential pressure exceeds the cracking pressure, then the check valve will open to allow forward flow.

DISASSEMBLE AND MAINTENANCE:

- Before disassembly or maintenance, assure that the pressure is not present in the pipeline. To check and maintain the valve that it is being used for a longer period, the main steps are:
 - Check the wear of the seal surface. Once it is damaged, it shall be repaired or replaced.
 - Check the bolts and nut, assure tight connection.
 - Check for eventual damages or abnormalities. If necessary, parts have to be replaced. Before replacement make sure pressure is not present in the system.





1	Body	Ductile Iron – GGG40
2	Ball	Aluminium NBR wrapped
3	Cover	Ductile Iron – GGG40
4	Nut	Carbon Steel Zinc plated
5	Bolt	Carbon Steel Zinc plated
6	O-Ring	NBR

