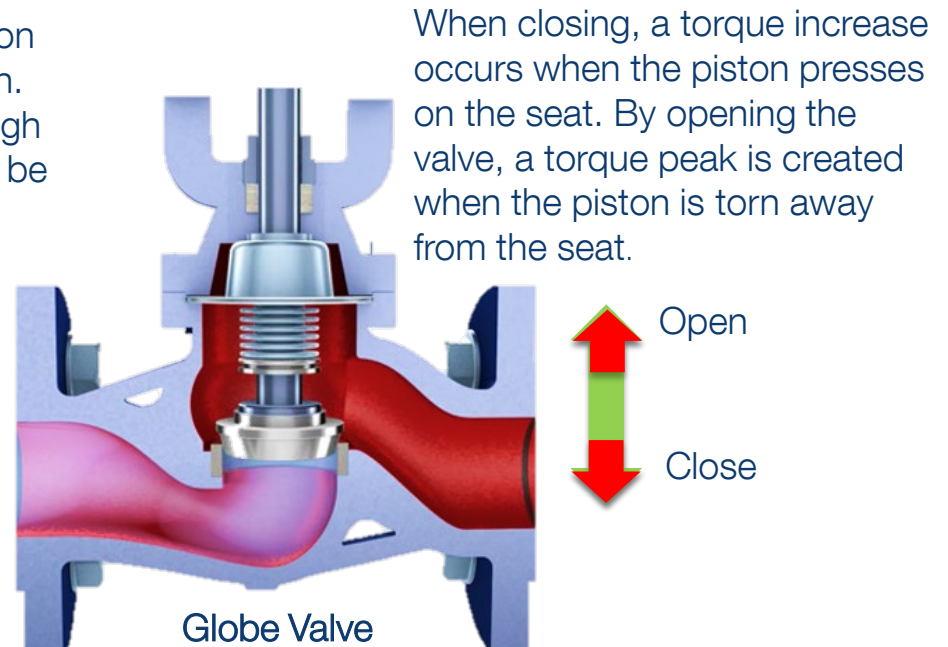
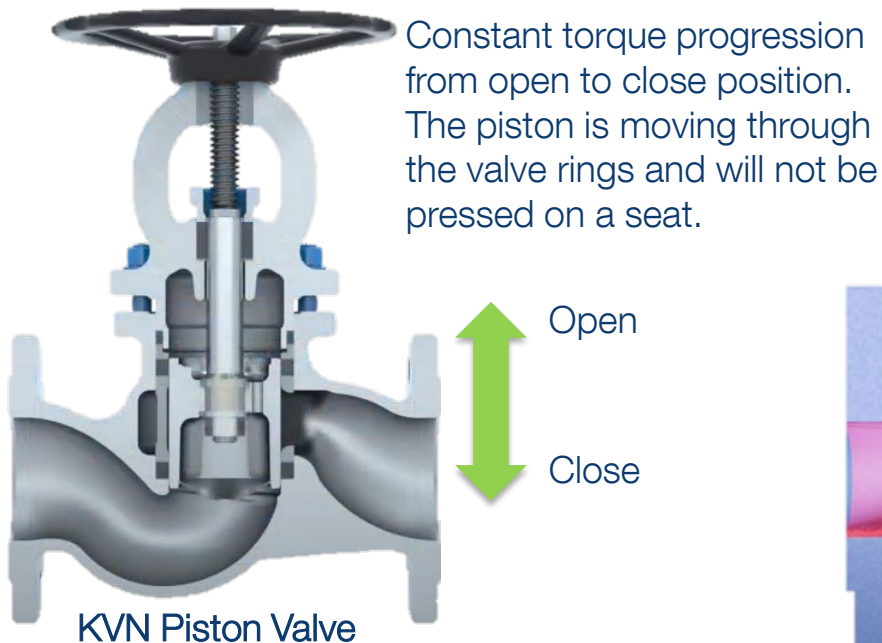


KVN COMPARISON WITH GLOBE VALVES:

The KVN piston valve from Klinger Fluid Control is a proven product that has been used successfully for decades in a wide range of industries and applications. Based on experience, the piston valve has significant advantages compared to conventional globe valves. Those advantages are:

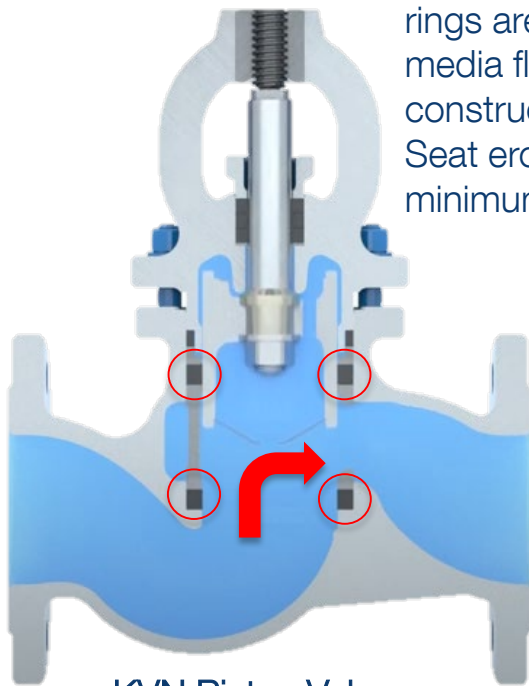
- (1) Torque characteristic: Constant torque from open to close and vice versa
- (2) Seat erosion: The seat rings are not directly exposed to the flow – no seat erosion
- (3) Particles in the media: „Self cleaning“ effect
- (4) Maintenance: Simple „inline“ service“

(1) Torque characteristic



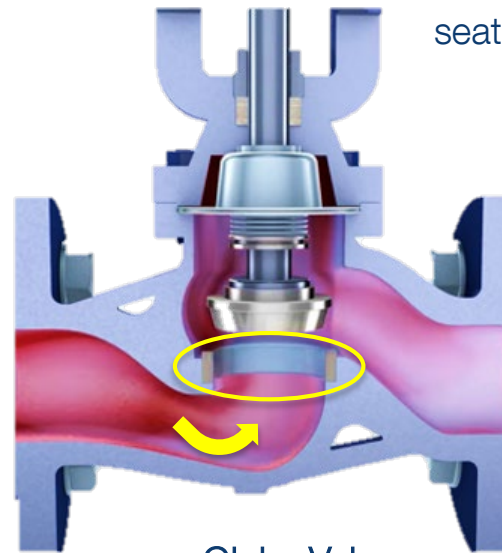
(2) Seat erosion

In open position, the valve rings are not directly in the media flow due to the construction of the valve. Seat erosion is limited to a minimum.



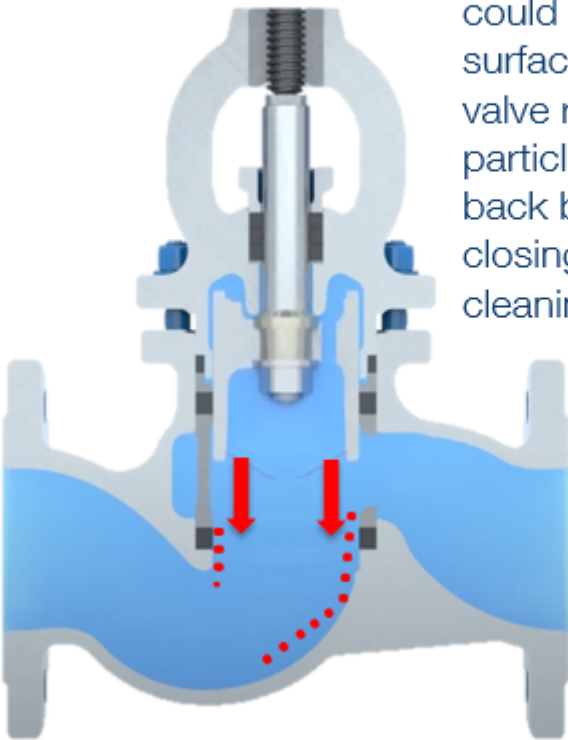
KVN Piston Valve

The valve seat is exposed to the flow in open position. Erosion could occur which is harming the seat.

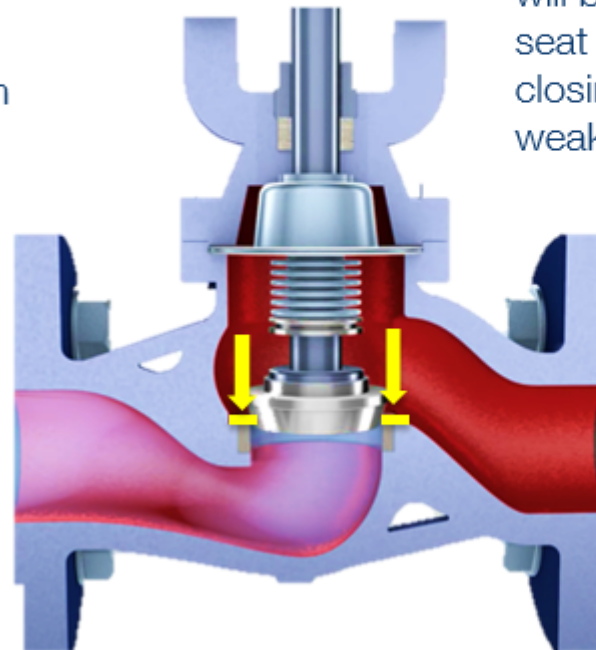


Globe Valve

(3) Particles in the media

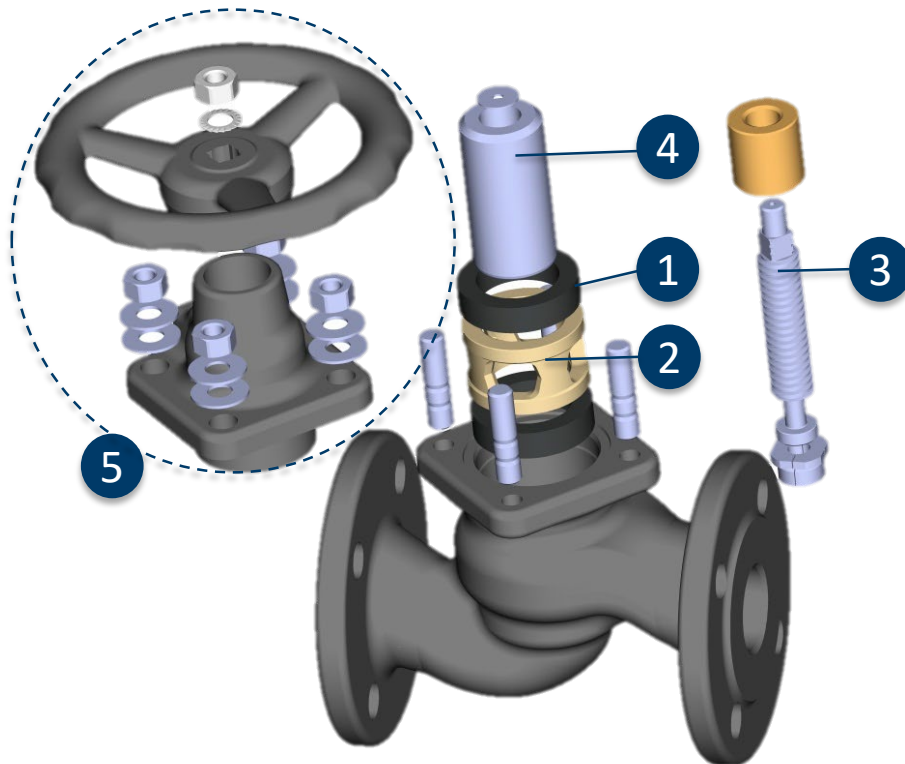


Particles in the flow could stick to the inner surface of the lower valve ring. Those particles will be pushed back by the piston when closing the valve (self cleaning effect).



Particles from the flow stick on the surface of the seat. Those particles will be pressed into the seat by the piston when closing the valve which weakens the seat material.

(4) Maintenance



The KVN piston valve can be maintained „inline“. It is not necessary to remove the valve from the pipeline for maintenance.

A service should always be done in a depressurised state of the valve.

All important parts of the valve are available as spare parts. The maintenance can be carried out easily and in a time-saving manner.

Spare parts:

- (1) Valve rings
- (2) Lantern
- (3) Spindle
- (4) Piston
- (5) Complete bonnet