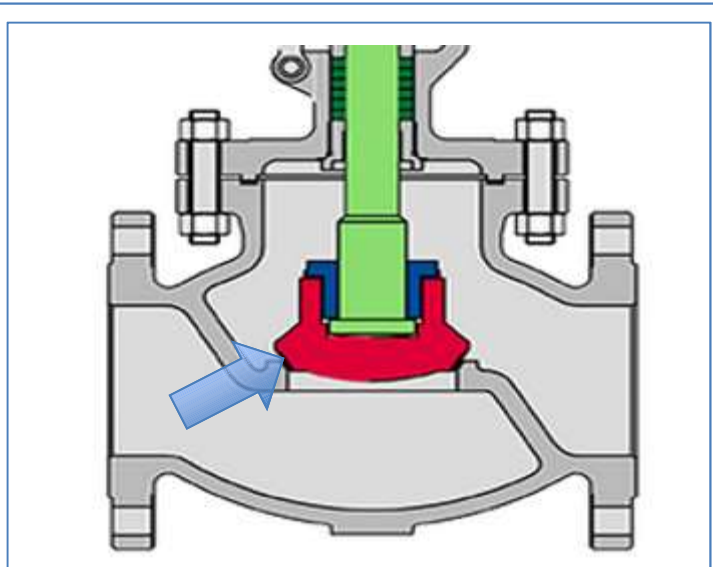


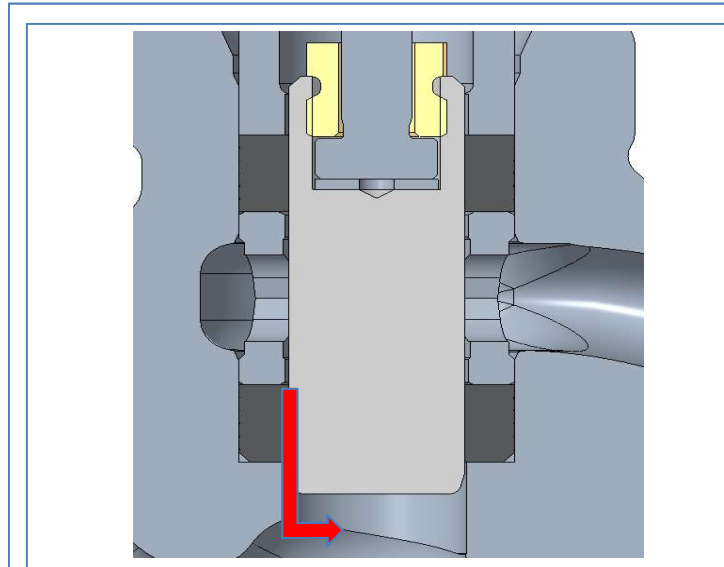
# DO YOU KNOW...?

## KVN SELF CLEANING PISTON EFFECT:



Plug, Globe, & Bellow seated valve:

- » Based on the construction of these valves, the sealing seat is totally exposed to the media when the valve is open.
- » Possible contained particles in the media easily can adhere on the sealing seat and build a thin film.
- » By closing the valve, the „particle film“ will be pressed into the seat by the piston. At every closing operation this layer becomes larger and leads to a leakage at a certain point.
- » The lifetime of the valve is limited and depend on he number of operations.



KLINGER KVN Piston valve:

- » Due to the piston – lantern – sealing ring design, the valve rings are not totally exposed to the media.
- » Particles only can stick on the inner ring surfaces of the valve rings.
- » By closing the KVN, the piston is moving through the valve ring and lantern areas. Adherent particles will be pushed back in the pipe line. There is no possibility that particles can penetrate into the sealing surfaces (self cleaning effect).
- » The lifetime will be increased based on the self cleaning effect.