

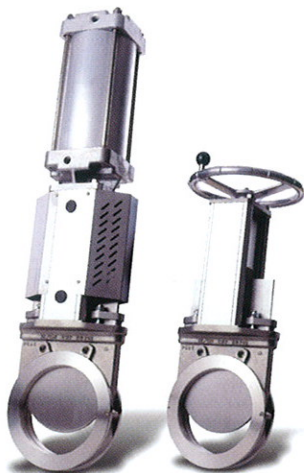


Knife gate valve

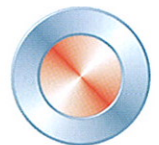
XV



- Unique flow characteristics
- Bi-directional sealing
- High differential pressure Δp
- Full port/bore
- Face-to-face DIN 3202 K1
- Compact design
- Low weight
- Easy maintenance
- 3 braids of box packing TwinPack™
- Low cost of ownership
- CE according to PED category II



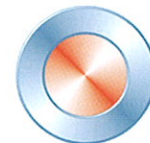
The unique XV is a compact, innovative, bi-directional seated valve with reduced cavities. The new inner geometry and gate will make your life much easier and more profitable.



Stafsjö
SINCE 1666

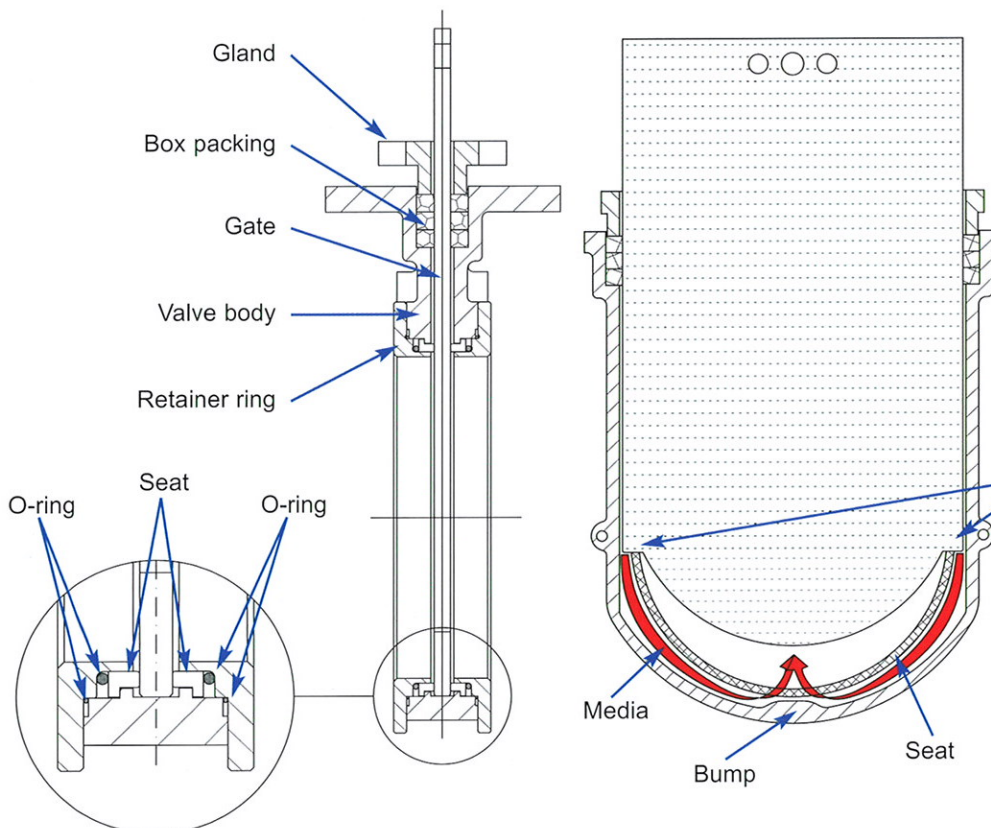
New concept for reliable shut-off

The XV valve is designed to meet increased demands from the process industry with regard to reliable shut-off and regulation of flow. With its high functionality and simple maintenance, the XV is excellently suited for liquids as well as dry media.



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Unique flow characteristics



Double seats guide the gate and provide for:
 → Bi-directional sealing
 → No leakage due to less movement of the gate in the box packing
 → Pressure shock tolerance

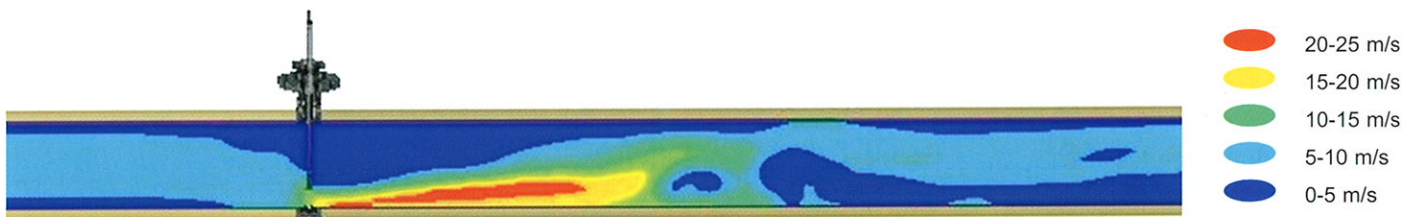
Self-cleaning valve → minimal risk for clogging

The inner geometry of the valve is designed with small cavities.
 → Prevents adherence of media in the valve.
 → Increases media velocity through the valve when closing (see chart below).
 → Low flow resistance and turbulence.

The edges on each side of the gate push the media down towards the bump. The bump forces the media upwards and into the pipe.
 → Minimal media residues left in the valve when closing.
 → The media residues are not compressed or jammed, they are rinsed out when closing.

The gate seals the valve against the seats before the gate hits the bump in the bottom of the valve.
 → The media does not get caught between the seats and the gate.

Media velocity



The picture shows the XV knife gate valve 75% closed. Due to the inner geometry of the XV knife gate valve, the media velocity increases considerably through the valve when closing, keeping an outstretched and streamlined flow profile with little disturbance.

The gate and the bump in the bottom of the valve interact, increasing the media velocity and forcing the media out of the valve. The valve self-cleans when closing, minimising the risk for clogging.