

Wey Knife Gate Valve VN

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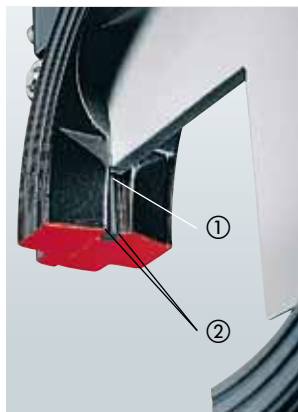
PN 10



Wey Knife Gate Valve VN

The unique Wey sealing system for high performance duties:

The Wey Knife Gate Valve VN is built to high quality manufacturing standards and combines rugged construction with time-tested design refinements found in no other knife gate valve. This unique valve design assures long-life reliability and bubble-tight shut-off due to the joint action of various factors during the closing stage.



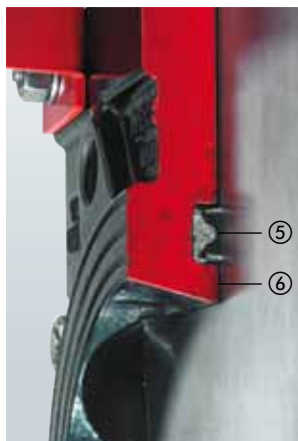
① Tight shut-off due to the **sealing function on the lateral gate side**. Fine surface ground finish of the gate ensures smooth operation and long-life seal performance. Mechanically retained seal prevents «pull-out».

② **Gate guides on full stroke length** ensure flutter and noise-free operation and bi-directional bubble-tight shut-off at full design pressure in combination with above sealing features.



③ During final closing stage, remaining solids are sheared off by **knife-like gate** and body cutting edge.

④ Special gate geometry prevents jamming during closure because deposits are pushed ahead by the gate into **enlarged flushing corners** of the body. Contoured body interior initiates flushing action to prevent build-up and jamming of deposits in seat area.



⑤ Unique Wey **transverse seal** eliminates stuffing box. A special lip-seal profile ensures for no leakage to atmosphere. Diamond shaped, compressed sealing compound provides necessary sealing pressure, compensates for wear and stands for outstanding service life performance under normal conditions.

⑥ **Minimized chest area** between port and transverse seal leaves no space for solid build-up or jamming.

⑦ By tightening **packing screws** or inserting sealing compound pellets, repacking under full pressure and without system shut-down is always possible. Considerable time/cost savings in maintenance work persuaded customers for decades to install Wey Knife Gate Valves.