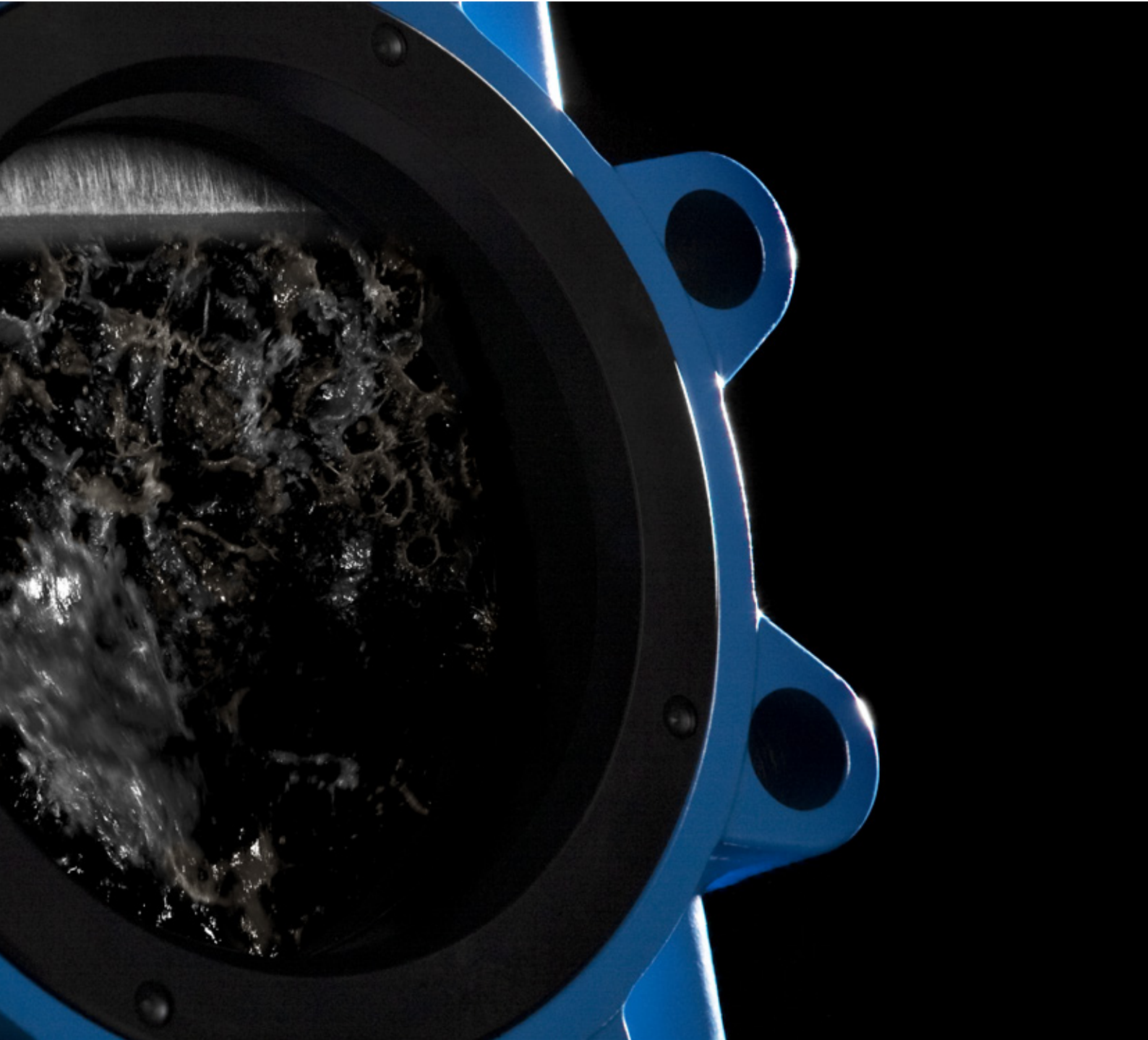
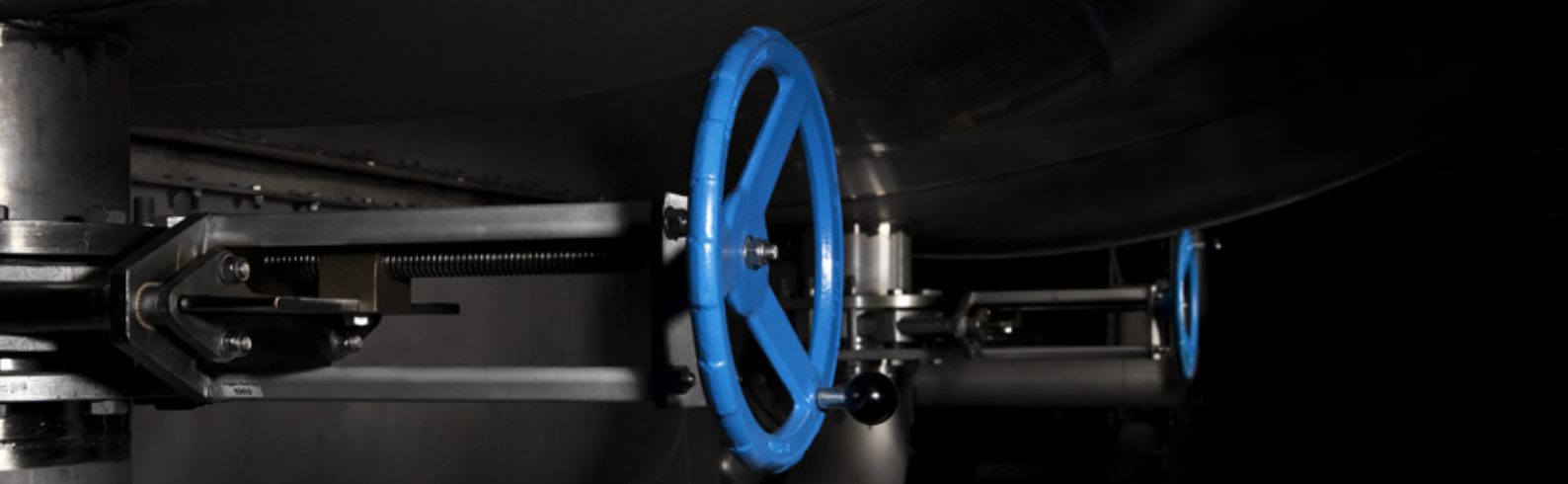


High performance valves for mining and mineral processing





High performance and trusted shut-off for the most demanding mining and mineral processing

Stafsjö has a full range of knife gate valves developed for tough abrasive slurry and other related process media such as sludge and process water.

Our valves for slurry handling covers several pressure classes making the range complete for both the processing plant as well for the tailing system. Our slurry valve SLV is typically used in the sizing process on cyclones, as isolation valve around slurry pumps or tanks. For fast removal, old non-centered pipe lines or low pressure applications we recommend our fully flanged slurry valve SLF. For the tailing system typically higher pressure valves like our SLH (20 bar/290 psi) or SLX 50 bar (720 psi) are required.

The slurry valves are supplied with valve bodies in coated nodular/ductile iron, unique seats in low friction special EPDM or natural rubber and a specially machined and grinded gate in stainless steel. The top works is modular designed and there are several actuator types and accessories to choose from in our standard collection. Fully individual traceability, makes it also easy to supply spare parts and conversion kits to already installed valves.



SLX up to 50 bar/720 psi
SLH up to 20 bar/290 psi

SLF up to 10 bar/150 psi

SLV up to 10 bar/150 psi

Sealing principle of the slurry valves

Opened valve

When the valve is fully opened, the seats seal towards each other in the bore, thus forming a tight extension of the pipe line where only the seats are exposed to the media – no metal parts. Minimal seat cavity prevents accumulation of media in the bore.



Closed valve

When the valve closes the two seats are displaced axially forming a seal with the gate until it forms a complete closure of the bore to a 100% tight valve in either pressure direction. Residues during cycling will be discharged through bottom of the valve.



First in knife gate solutions

Stafsjö is a leading supplier of knife gate solutions for shut-off and flow control within the process industry. Our first valves were manufactured already in 1881. Decades of experiences from customer co-operations together with a continuously strong focus on quality, production efficiency and valve development, has resulted in a wide range of high performance and reliable knife gate solutions. Through the sister company Ebro Armaturen and external sales partners we are able to provide fast deliveries, high quality service and support to local markets worldwide.



Features to maximize the service life

A precise gate guidance extend the valve's service life

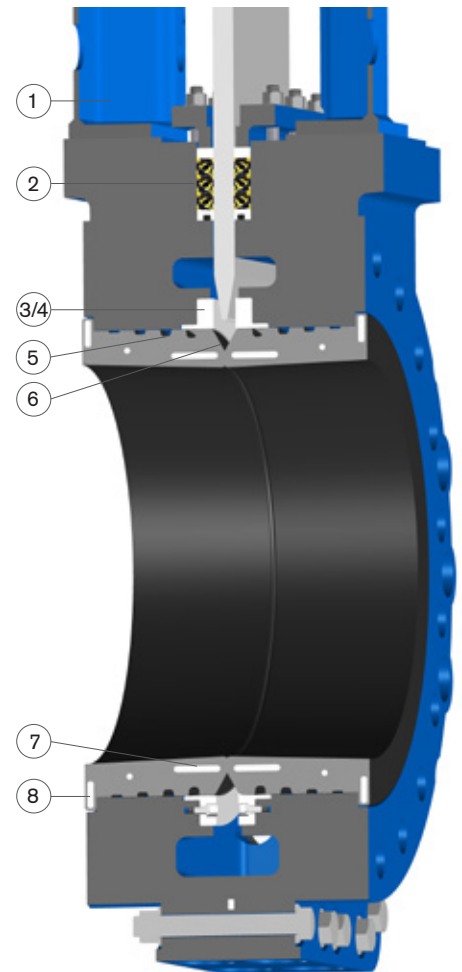
A solid top works (1), a robust gland box system (2), precisely machined gate supports (3) and internal guiding supports (4) on the high pressure SLH and SLX guarantee a precise gate guidance, which is crucial during cycling to minimize the wear on the seats.

Built in expansion areas reduce the stress on the rubber seats

To maximize the service life of the rubber seats, they have been designed with expansion areas (5) that allows the seats to be axially flexible. The gate entrance (6) area is designed for a smooth entry of the gate.

Solid and reinforced seats improve the stability and performance

The seats are reinforced with one or several steel core/s (7) to ensure that the seats shape, position and strength remain during operation. The seats are also reinforced towards the flanges (8) to secure a tight and exact position of the seats towards the gate and connecting flanges.



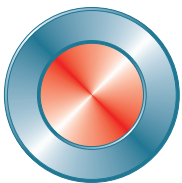
Knife gate valves for solids, light slurry, sludge and process water

The HG range offers excellent shut-off on highly concentrated and static media. This valve series has trough-going/o-port gates and they are available in different materials and in several pressure classes up to DN 1200/48".

The WB range offers bi-directional sealing and excellent flow characteristics. The WB range is very easy to install thanks to its lugged design and integrated flange gaskets. The WB range is available up to DN 1600/64".

The MV valve has a cutting edge design and offers a tight shut-off. It is easy to customize and available in stainless steel or nodular/ductile iron up to DN 1600/64".





Stafsjö
SINCE 1666



**Valve
& Automation**

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