

## SERIES 20 SS LUG STYLE KNIFE GATE VALVE FEATURES

### BODY:

- One-piece integrally cast stainless steel body with reinforced ribs in larger diameters for extra body strength
- Internal cast gate wedges and guides allow for tighter shut-off
- Port design according to MSS-SP-81 and Tappi TIS 405-8
- Internal design avoids any build-up of solids that would prevent the valve from closing

### GATE:

- Standard AISI 316 stainless steel gate
- Gates polished and lapped for a greater seal between the gate with both packing and seat
- Bottom of the gate edge is machined to a bevel to cut through solids for a tighter seal in the closed position

### SEAT (resilient):

- Unique design that mechanically locks the seat in the internals of the valve body with a stainless steel retainer ring
- EPDM, Viton, RTFE and BUNA-N available
- Optional metal seat design for heavy-duty solids

### PACKING:

- Standard braided PTFE impregnated fiber with EPDM o-ring for better shut-off
- Easily-accessible packing gland for tight seal

### STEM:

- The standard stainless steel stem offers a long, corrosion-resistant life. (NOTE: For rising stem handwheel actuators only, a stem protector is provided for additional protection against dust while the valve is in the open position.)

### ACTUATORS:

- All actuators supplied by BI-TORQ are interchangeable and supplied with a standard mounting kit for installation on site.

### YOKE OR ACTUATOR SUPPORT:

- Made of epoxy coated steel (stainless steel upon request)
- Compact design makes it robust under the most severe conditions

### EPOXY COATING:

- The epoxy coating on all cast iron and carbon steel valve bodies and components is applied electrostatically, making the valve corrosion-resistant with a high-quality finished surface.

### GATE SAFETY PROTECTION:

- BI-TORQ automated valves are provided with gate guards in accordance with EU safety standards
- This design feature prevents any objects from being caught accidentally while the gate is moving

