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Engineered Valves

# Fabri-Valve<sup>®</sup> SV1

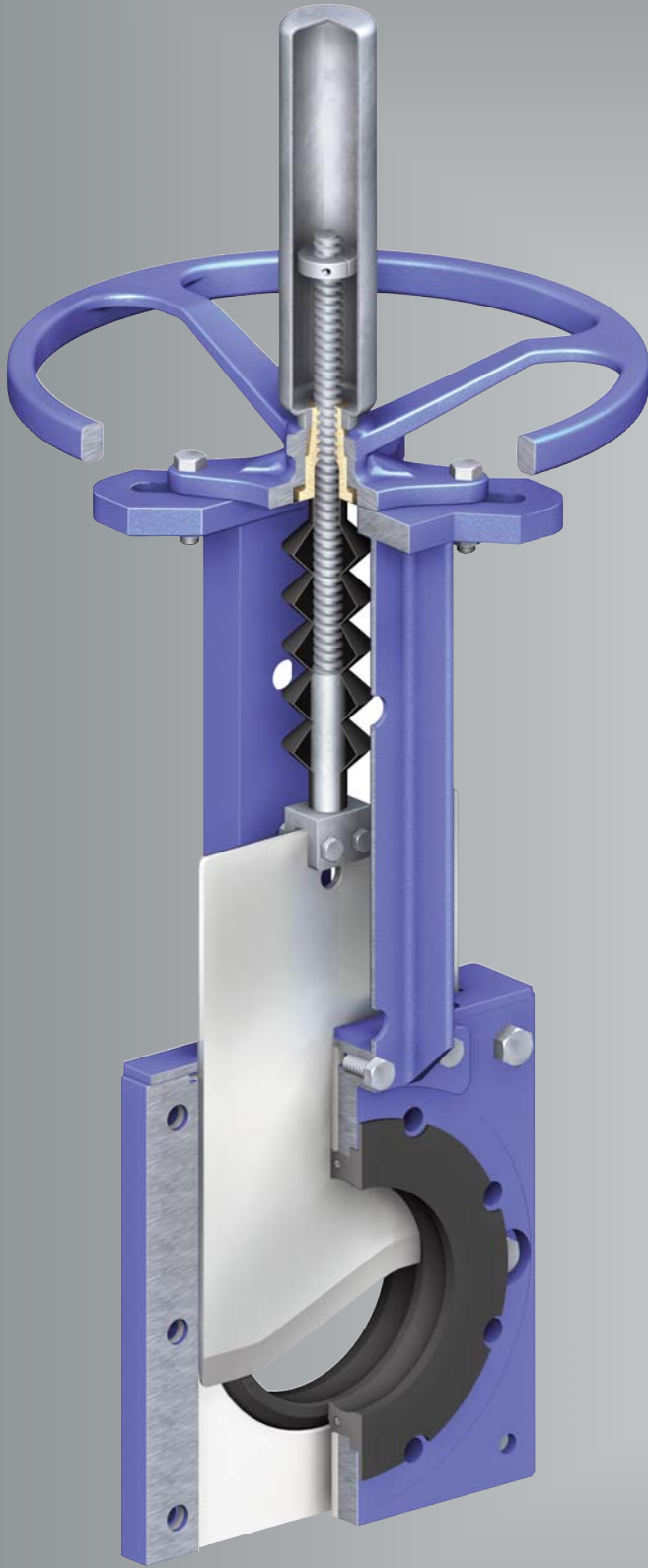
Next Generation Slurry Valve

Think About ITT.



*Engineered for life*

# Fabri-Valve® SV1 Slurry Valve



SV1 with Hand Wheel shown. Also available with Bevel Gear Actuator, Air Cylinder, Hydraulic Cylinder, or Electric Actuator.

## 150 psi CWP (10.3 Bar) Pressure Rating for ALL Sizes

- ❑ Pressure rating does not decrease with increase in valve size.

## True Full Port Design

- ❑ The SV1's Internal Diameter (ID) matches class 150 pipe ID's for full, unobstructed flow and maximum flow coefficients.

## UHMW Gate Support Liner

- ❑ The gate is fully guided throughout the entire stroke; reducing downstream gate deflection, which prevents the seat from being cut by the gate.
- ❑ Shields the valve body from direct contact with media when the valve is being stroked.
- ❑ UHMW's low coefficient of friction reduces required actuation force.

## Guillotine Gate™ (patent pending)

- ❑ Inhibits the collection of seat rubber at the 6 o'clock position when cycling closed.
- ❑ Prevents seat tearing. Longer seat life.
- ❑ Allows for a sharper knife edge which reduces external discharge.

## EPDM Seat / Sleeves

- ❑ Proprietary engineered polymer seats include synthetic fibers that improve the seats performance and increases seat life.
- ❑ Integrated load distribution ring eliminates mating flange connection issues.
- ❑ Can be used with or without flange gaskets.

## Features

Size range: 3"-24"  
(DN80 – DN600)

Pressure:  
150 psi CWP  
(10.3 bar)

Temperatures up  
to 170°F (77°C)

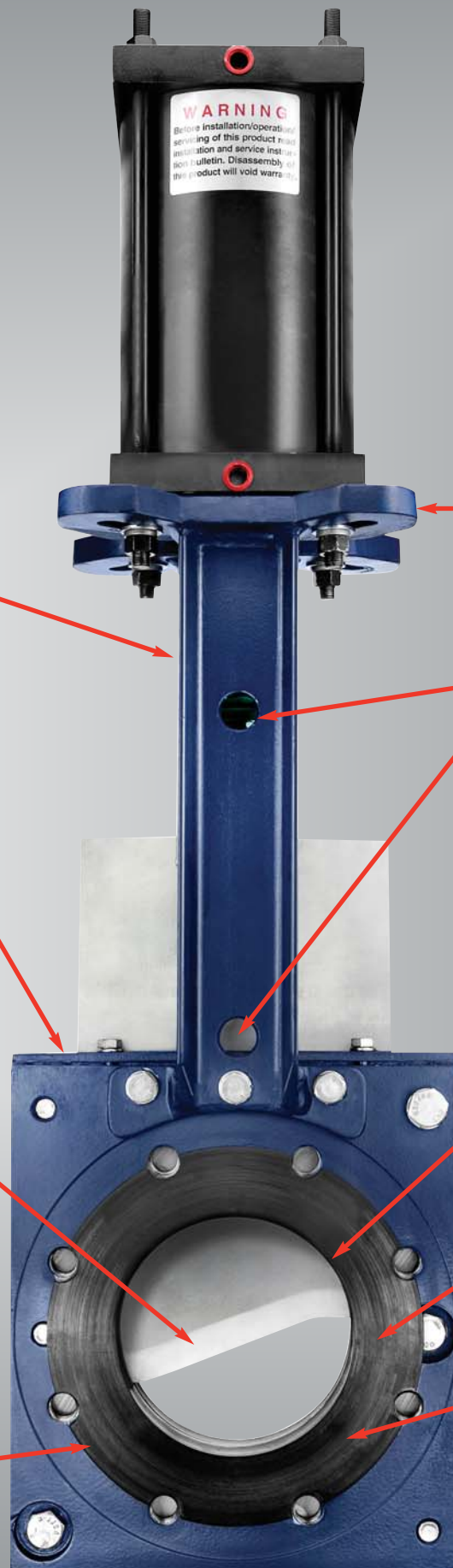
Heavy duty self-supporting yokes are standard on double acting air cylinder and manually operated valves.

Wiper packing cleans the gate during every stroke. Also prevents any discharge from being sprayed out the top (protects employees and valve instrumentation).

The shape of our patent-pending Guillotine Gate™ slices right through slurry without cutting the seat.

- Prevents seat tearing, extending service life.
- Allows for a sharper knife edge which reduces discharge.

Integrated load distribution rings ensure proper seat support independent of the type of mating flange.



Standard yokes accept manual, pneumatic, hydraulic, or electric actuation for easy conversion in the field.

Lock-outs in the open and closed position keep employees and equipment safe during maintenance.

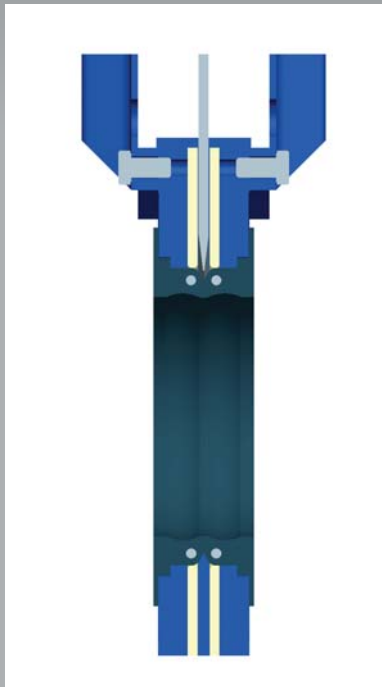
UHMW gate support liner guides the gate throughout the entire stroke, reducing downstream gate deflection and cutting of the seat by the gate.

Rubber lined port with no metallic components in the flow when valve is open.

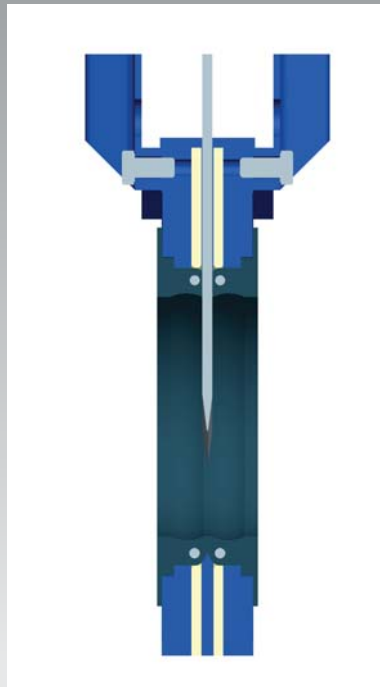
Proprietary engineered polymer seat with synthetic fibers increases seat life, especially in high-solid slurries.

Load distribution rings (polymer encapsulated) eliminate the need for gaskets.

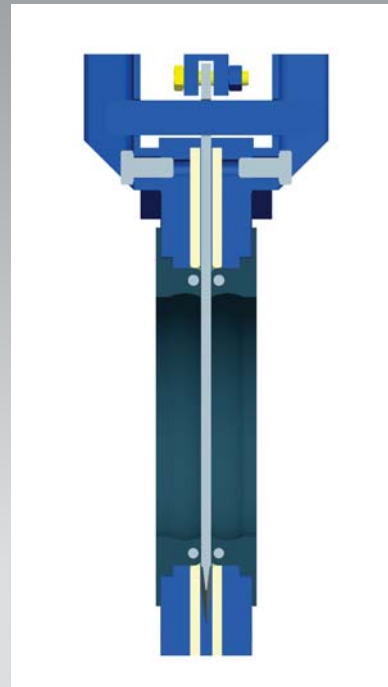
# The Fabri-Valve® SV1 Slurry Valve in Action



Open Position



Mid Stroke



Closed Position

## Contact IP Valves for your Slurry Valves

IP Valves is a global valve company serving North and South America, Europe, Middle East, Africa, Asia, and Australia from several production facilities, numerous local Sales and Customer Support offices, and a network of local Distributors.

IP Valves' global scope means local service and support close to your operations.  
*"IP Valves thinks global, acts local."*

- ❑ Local IP Valve Distributors for SV1 Slurry Valves are found on the internet at [http://engvalves.com/worldwide\\_sales\\_and\\_service.html](http://engvalves.com/worldwide_sales_and_service.html).
- ❑ To contact IP Valves directly, please send your e-mail to [engvalves.custserv@itt.com](mailto:engvalves.custserv@itt.com) or visit our Web site at [engvalves.com](http://engvalves.com)

