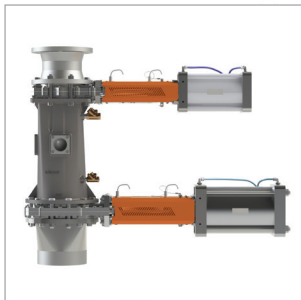


# STR Valves

Severe-duty valve  
for cleaning and  
detrashing  
applications

*Robust design handles  
high concentration of  
heavy contaminants*



*STR Valves with the  
STR 8-10 Reject Chamber*



# STR Valves



## Safety, simplicity, and strength

The STR valve is severe-duty stainless steel knife gate valve for use in high and medium density cleaning systems. Its rugged construction makes quick work of high concentration contaminants such as glass, sand, staples, nuts, bolts, and other hard debris. These durable valves are now produced in the following sizes.

<b>STR 4</b>	4 inches	100 mm
<b>STR 6</b>	6 inches	150 mm
<b>STR 8</b>	8 inches	200 mm
<b>STR 10</b>	10 inches	250 mm
<b>STR 12</b>	12 inches	300 mm
<b>STR 14</b>	14 inches	350 mm
<b>STR 16</b>	16 inches	400 mm

- Easy retrofit to all Liquid Cyclones and most competitive cleaners
- Excellent for detraghing units such as the Continuous Light Detragher

## Meets the additional challenges of heat and high-viscosity black liquor found in pulp mill applications



### Benefits



#### Improved performance

- Enables constant and continuous output of either reject material or defibered accept pulp
- Meets the additional challenges of heat and high-viscosity black liquor found in pulp mill applications



#### Heavy-duty construction

- Reliable service components with extended life operating cycles
- Auxiliary threaded mounting support points provided



#### Maximized flow

- Kadant designed rectangular relief platform expels debris with minimal blockage and wear



#### Safety in mind

- Valve locking pins, to lock open or closed, for safe lock out / tag out



#### Low maintenance

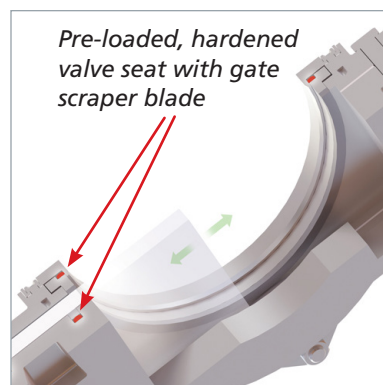
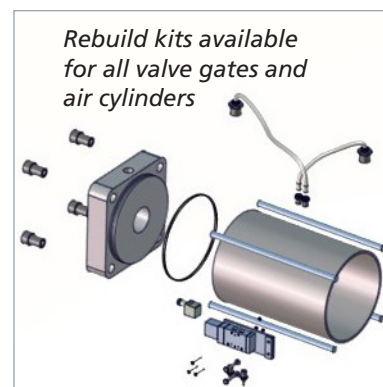
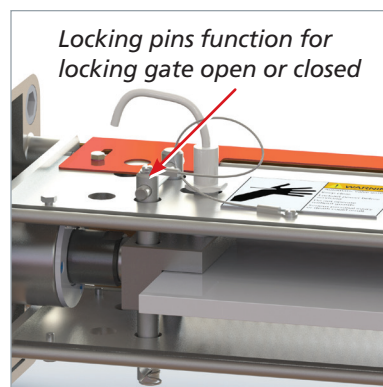
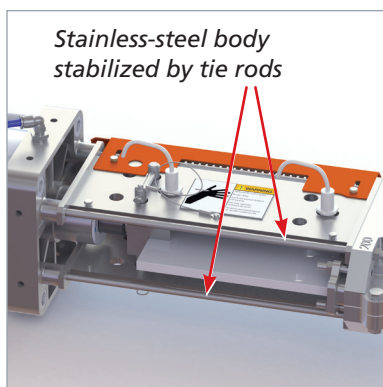
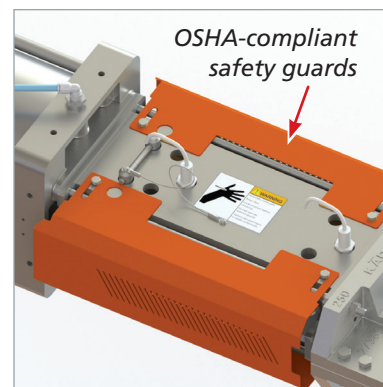
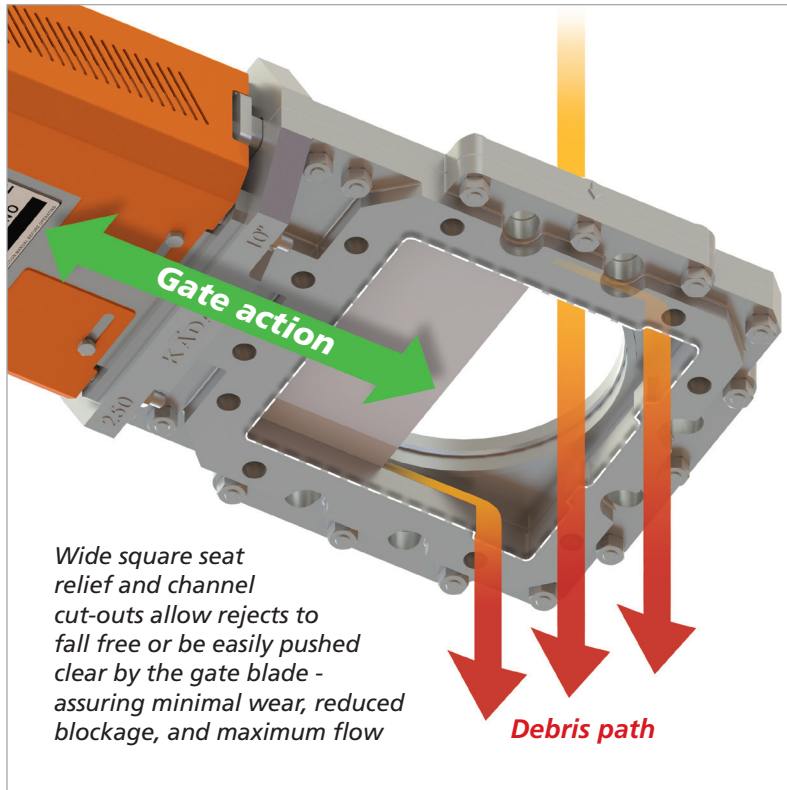
- Simplified valves means minimum maintenance, parts, and labor



#### Cost effective

- Knife gate and cylinder assembly designed for easy maintenance
- Reduces water and fiber loss during debris discharge

# Run strong, run secure



- BSPT or NPT solenoids (24V or 120V available)
- Open-close limit switches (20-250 VAC, 20-300 VDC operating voltage)
- ANSI and DIN standard bolting connections
- Auxiliary threaded support points
- Low profile fittings



# Paired for perfection with STR reject chambers

Created specifically for our STR valves, these durable cast iron STR reject chambers are available in two sizes to match. The 8-8 reject chamber (with an 8" entrance and exit) and the expanded 8-10 reject chamber (with an 8" entrance and 10" exit) which provides an additional 50% reject capacity.

Both chambers feature two elutriation ports and a visual observation sight glass to optimized performance and reduced maintenance demands. Complete valve and reject chamber assemblies are also available that include square to round transition discharge pipes, shown below.



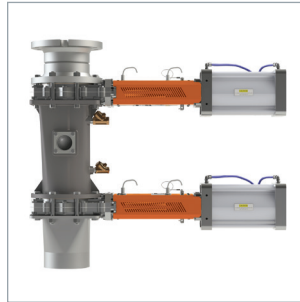
**STR 8-8  
Reject Chamber**



**STR 8-10  
Reject Chamber**



*STR 8-10 Reject Chamber  
with 8 and 10" STR Valves*



*STR 8-8 Reject Chamber  
with two STR 8 Valves*

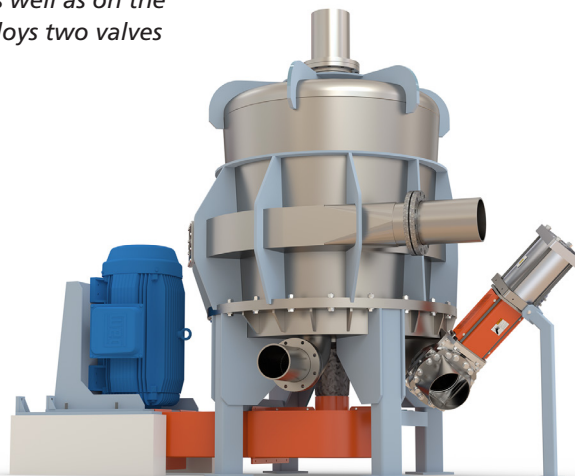
Kadant offers a full range of fiber processing equipment and services. Here you can see the STR valve fitted on our Continuous Lights Detrasher as well as on the Liquid Cyclone cleaner, which employs two valves and a reject chamber.

## Foundations Fiber Product Line

We understand what it takes to remain competitive, protect your investment, and extend the life of your stock preparation assets.

**Certified Parts and Service 24 Hour Hotline for North America:**  
**1-800-448-5422**

For patent information about this and other Kadant products visit <https://kadant.com/en/patents>



Continuous Lights  
Detrasher



Liquid Cyclone™  
Cleaner

# KADANT

[fiberprocessing.kadant.com](https://fiberprocessing.kadant.com)

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STR Valves  
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