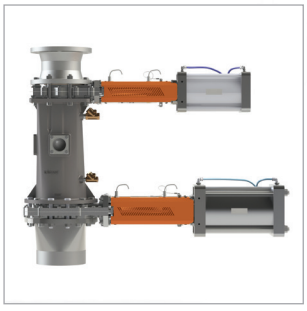
KADANT

FIBER PROCESSING

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

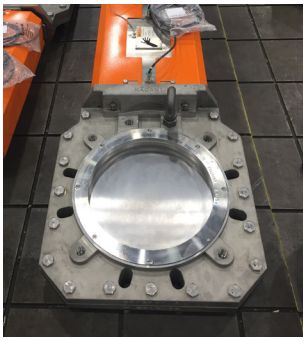
Safety, simplicity, and strength

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.

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

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

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

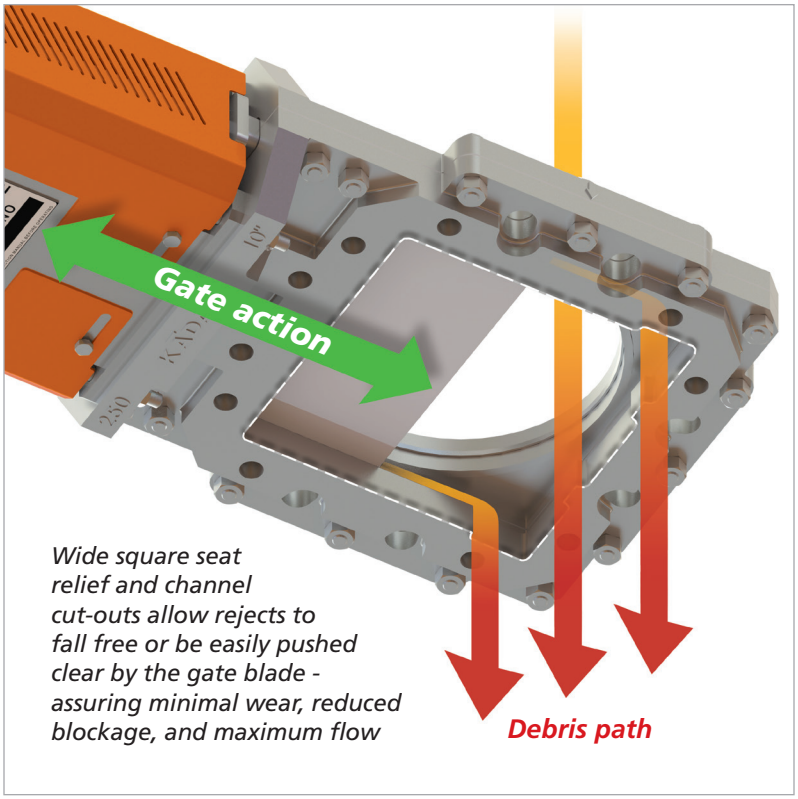
Low maintenance

- Simplified valves means minimum maintenance, parts, and labor

Cost effective

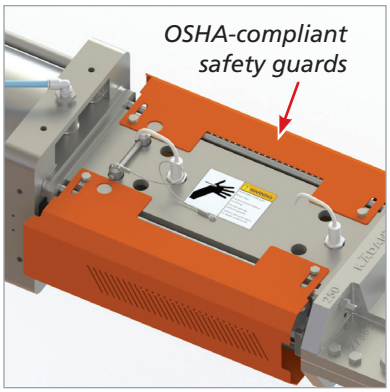
- Knife gate and cylinder assembly designed for easy maintenance
- Reduces water and fiber loss during debris discharge

Run strong, run secure

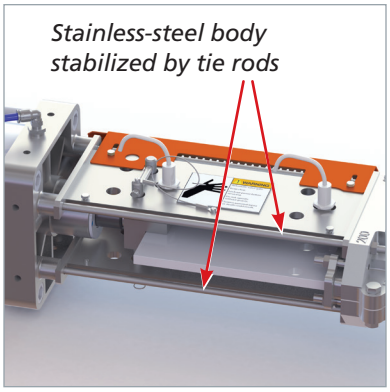


Top quality, heavy-duty air cylinders matched to valve size

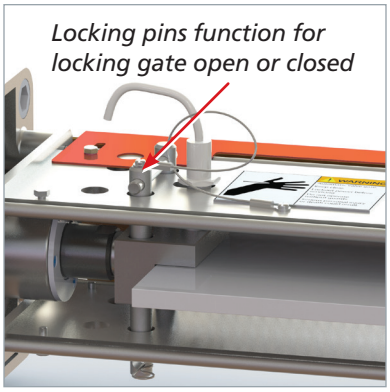
OSHA-compliant safety guards



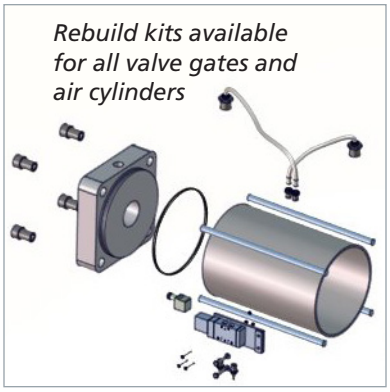
Stainless-steel body stabilized by tie rods



Locking pins function for locking gate open or closed

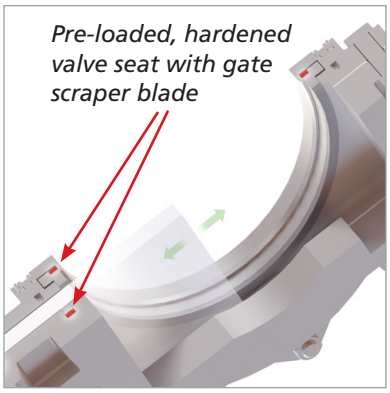


Rebuild kits available for all valve gates and air cylinders



Hardened 410 stainless-steel knife gate

Pre-loaded, hardened valve seat with gate scraper blade



- **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**

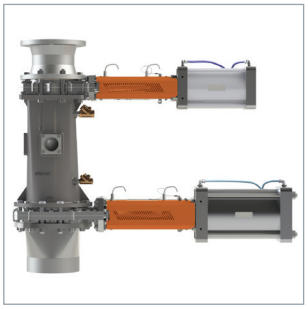
Paired for perfection with STR reject chambers

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.

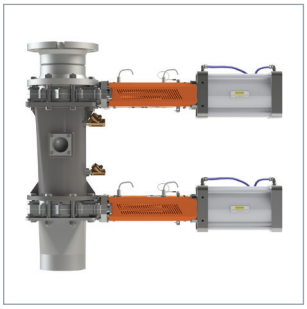
Both chambers feature two elutriation ports and a visual observation sight glass to optimized performance and reduced maintenance demands. Complete valve and reject chamber assemblies are also available that include square to round transition discharge pipes, shown below.

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

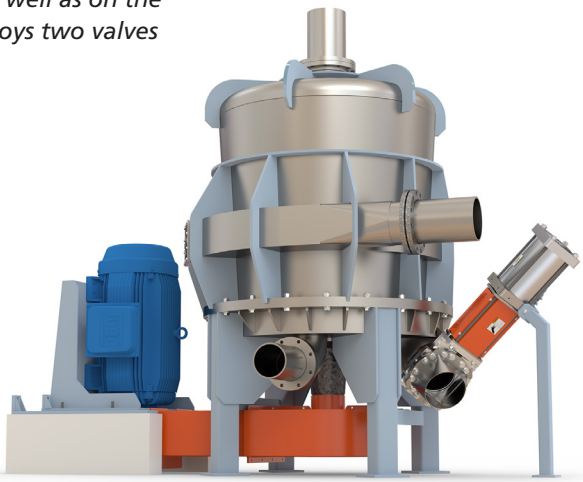
Kadant offers a full range of fiber processing equipment and services. Here you can see the STR valve fitted on our Continuous Lights Detrasher as well as on the Liquid Cyclone cleaner, which employs two valves and a reject chamber.

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

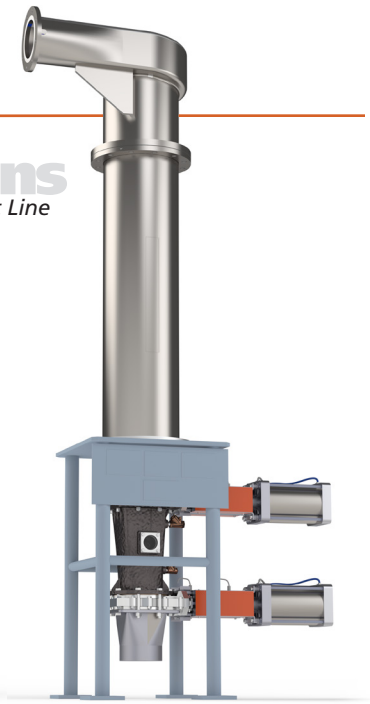
Certified Parts and Service 24 Hour Hotline for North America: 1-800-448-5422

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

Foundations
Fiber Product Line



Continuous Lights Detrasher



Liquid Cyclone™ Cleaner

KĀDANT

fiberprocessing.kadant.com Kadant is a global supplier of high-value, critical components and engineered systems used in process industries worldwide.

North America, Central America, and Japan:

Kadant Black Clawson LLC
1425 Kingsview Drive
Lebanon, OH 45036 USA
Tel: +1-513-229-8100
Email: info@kadant.com

China, Taiwan, and South Korea:

Kadant Fiberline (China) Co. Ltd.
STE 1960, Beijing Sunflower Tower
37 Maizidian Street, Chaoyang District, Beijing 100125 China
Phone: +86-10-65813011/12/13
Email: Marketing.KFC@kadant.com

EMEA, APAC, and South America:

Kadant Lamort SAS
39, rue de la Fontaine Ludot,
B. P. 30046
Vitry-le-Francois cedex 51302
Phone: +33-26-74-80-80
Email: kadant.lamort@kadant.com

Kadant Noss AB
Malmgatan 25
602 23 Norrkoping, Sweden
Phone: +46-(0)-11-23-15-00
Email: info.kadantnoss@kadant.com

STR Valves
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