STR Valves

Robust design handles high concentration of heavy contaminants

Severe-duty valve for cleaning and detrashing applications.
STR Valve

The STR valve is a severe-duty stainless steel knife gate valve for use in high and medium density cleaning systems. Their 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 two sizes.

STR Valves

• **Heavy-duty construction**
  - Reliable service components with extended life operating cycles
  - Auxiliary threaded mounting support points provided

• **Improved performance**
  - Constant and continuous output of both reject material and defibered accept pulp

• **Maximized flow**
  - Kadant designed rectangular relief platform expels debris with minimal blockage and wear

• **Safety in mind**
  - Valve locking pins, to lock open or close, 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
  - Recaptures water and fiber often lost with debris maintenance

**Benefits**

- **STR 10** (250mm)
- **STR 8** (200 mm)
Run strong, run secure

All STR Valves feature:

- Hardened 410 stainless-steel knife gate
- Pre-loaded, hardened valve seat with gate scraper blade
- Stainless-steel body stabilized by tie rods
- Locking pins function for locking gate open or closed
- Wide square seat relief and channel cut-outs allow rejects to fall free or be easily pushed clear by the gate blade - assuring minimal wear, reduced blockage and maximum flow
- Top quality, heavy-duty air cylinders matched to valve size
- OSHA-compliant safety guards
- Rebuild kits available for all valve gates and air cylinders
- BSPT or NPT solenoids (24V or 120V available)
- Open-close limit switches (20-250 VAC, 20-300 VDC operating voltage)
- ANSI & ISO standard bolting connections
- Auxiliary threaded support points
- Low profile fittings
Paired for perfection with your choice of 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 elutriation ports and a sight glass for optimized performance and reduced maintenance demands. Depending on chamber port size, STR valves are common to the top and bottom reject chamber positions.

Complete valve and reject chamber assemblies are also available and include square to round transition bottom discharge pipes.

Get you running, keep you running

Stock preparation is in our blood. We know this industry like few others – your equipment, your processes and your challenges. We have the know-how and tools to elevate the efficiency of your production. Our team can help monitor, maintain and upgrade your line, providing process improvements, replacement parts, rebuilds and comprehensive maintenance plans.

We provide superior guidance in the planning, design, engineering, installations and start-up of your systems. Our products and expertise cover the full range of stock preparation and pulping.

STR Valve Exchange Program:
The cost effective way to upgrade

Swap STR Valves in need of repair with a new upgraded version. Contact your Kadant representative to learn more.

Specifications and information subject to change without notice.