Discharge Valve Assemblies

Tips for Improving Washer Performance

TRIOSIM CORPORATION

Go Further with Triosim

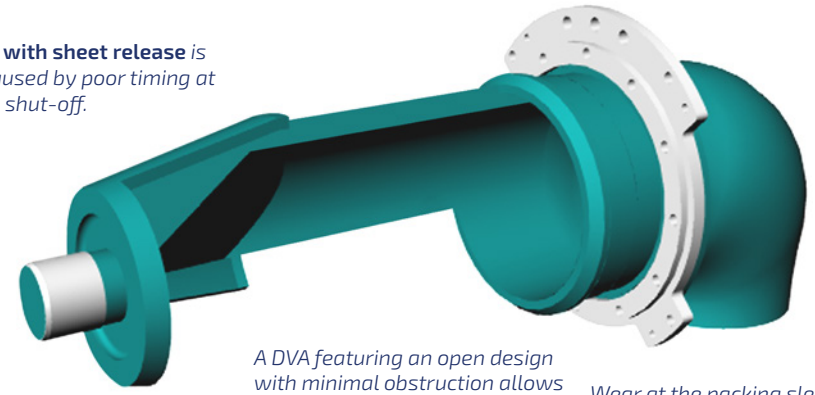
Troubleshooting washer drums requires careful observation of pulp washer operations along with an understanding of processes and equipment.

Experience has taught us that a wide range of washing problems are solved by adjustments at the Discharge Valve Assembly.

Poor discharge consistency *is often the result of inaccurate valve timing or poor clearance at the breaker.*

The radiused elbow is designed to minimize turbulence, which **reduces the requirement for defoamer** *and allows for enhanced vacuum and higher production.*

Trouble with sheet release *is often caused by poor timing at vacuum shut-off.*



Excessive wear or failure at the nose will cause the valve to drop, damaging the Inner Bearing Support, Valve Seat, and **disrupting vacuum**.

A DVA featuring an open design with minimal obstruction allows for **maximum vacuum and highest production rates**.

Wear at the packing sleeve can result in lost vacuum. Excessive pressure on packing will cause drag on the drum rotation, **prematurely wearing gears**.

Finding Solutions

Some washing problems can be solved with simple adjustments. Others can be the result of a Discharge Valve Assembly in need of rebuilding or replacement.

Many valves in service can be successfully rebuilt. They will provide additional years of service and, depending on the installation, will frequently improve washer performance.

Old style valves with poor hydraulic design are best replaced with a high capacity Discharge Valve Assembly, such as the Triosim Valve shown above. This design offers optimal hydraulic efficiency that is provided by the smooth radiused elbow and open design that is free of obstructions to flow. FRP (fiberglass reinforced plastic), allows the valve to be molded to its efficient design and is a material that is uniquely suited to equipment repair and rebuild.

Whether your solution lies with an adjustment to your existing equipment, or a new or rebuilt valve, we encourage you to call on Triosim to discuss your requirements.

A DVA that is properly designed, installed and adjusted will solve problems such as:

- **Poor discharge consistency**
- **Problems at take-off**
- **Excessive defoamer usage**
- **Failure of auxilliary components**
- **Excessive wear at the gears**
- **Production shortfalls**

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