

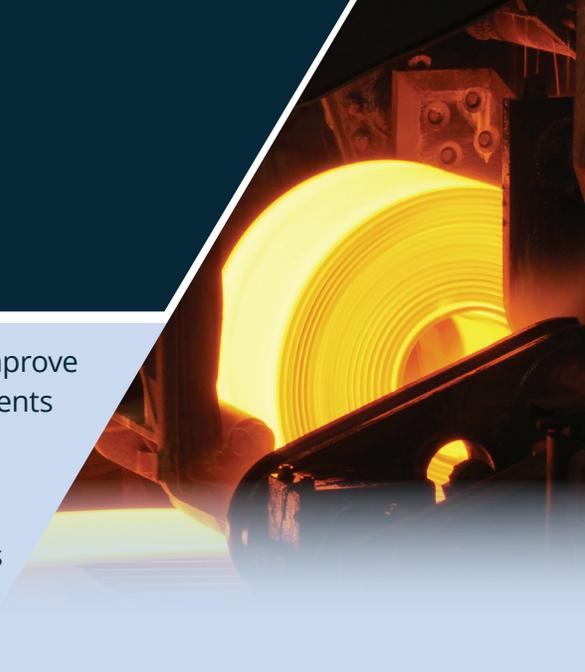


The Hunt Valve Advantage

In today's global economy, steel producers need to minimize costs and improve quality to compete. Hunt is delivering descale system valves and components that help producers reach their goals.

Hunt Valve Advantages:

- Advanced ceramic materials in both poppet- and plunger-style valves
- Electromechanical actuation to deliver proportional control
- Operating pressures up to 400 bar



Gain a Competitive Edge by Reducing Costs and Improving Quality

Problem: Increasing costs due to frequent pilot valve maintenance, seat leakage and replacement, pipe and pump damage, and increased scrap product.

Cause: Fast shifting metal seat poppet valves that use dirty descale water as the actuation media that causes water hammer and valve sticking.

Hunt Valve Solution: Our Proportional Poppet Valve utilizes ceramic seats and servomotor-controlled actuation to eliminate the problems that are associated with standard media-actuated metal seat valves.



Total Cost of Ownership Savings:

	Hunt	Competitor
Initial Valve Investment	\$70,000	\$40,000
Cost of Spare Parts Over Five Years of Service	\$15,000	\$75,000
Total Direct Cost of Ownership	\$85,000	\$115,000
Total Direct Cost for 6 Valves in System Over Five Years	\$510,000	\$690,000
Total Indirect Costs Over Five Years (System Damage Repairs and Scrap Product)	\$0	\$500,000
Total System Cost for Five Years	\$510,000	\$1,190,000
Hunt Valve Savings	\$680,000 57% Savings	

Problem: Increasing repair costs from frequent maintenance on the header prefill valve, breakdown orifice, balance chamber seals, and pneumatic pilot valve.

Cause: The contaminated high-pressure water induces wear to the orifice, prefill control valves, and descale valve seals. Contaminated wet air causes pilot valve sticking issues.

Hunt Valve Solution: The Mega-Flo C Plunger Valve features an electromechanical actuator (EMA) that eliminates the extra seals and components of a balance chamber, as well as the pneumatic pilot circuit and associated reliability issues. Due to the precision control of the EMA, the proven Hunt integral prefill design has full shut-off capability and eliminates extra prefill control valves and breakdown orifices.

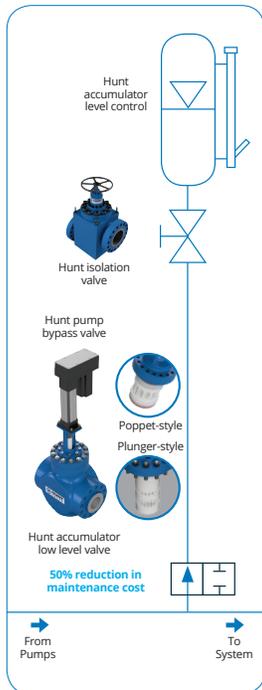


Total Cost of Ownership Savings:

	Hunt	Competitor
Initial Valve Investment	\$80,000	\$75,000
Cost of Spare Parts Over Life of Valve	\$12,500	\$12,500
Cost of External Header Prefill Valve and Orifice	\$0	\$20,000
Scrap Product Cost	\$0	\$50,000
System Maintenance Cost Over Life of Valve	\$0	\$37,000
Total Cost of Ownership	\$92,500	\$195,000
Hunt Valve Savings	\$102,000 53% Savings	

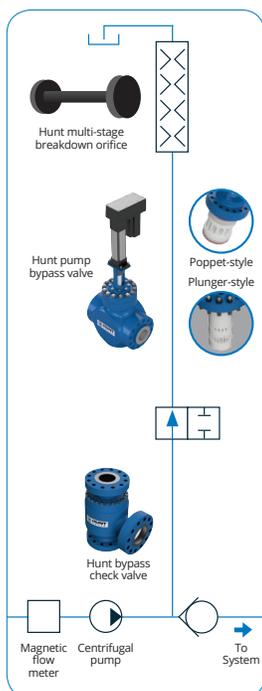
Learn more about the Proportional Poppet Valve and Mega-Flo C Plunger Valve at www.huntvalve.com.

Hunt Valve offers products for the complete descale system



Accumulator Level Control Solutions

Hunt's accumulator level control package optimizes system pressure and flow rates while minimizing pump duty. We configure our accumulator low-level control valve designs to fail in the closed position to prevent the release of the accumulator air charge in the descale system due to a low-level condition.



Pump Bypass Solutions

Our pump bypass solution utilizes a Hunt pump bypass valve, multi-stage pressure breakdown orifice and control method to provide energy saving, increased flow for descale and 5x the durability of competitor valves.

Mill Duty Series Descale Poppet Valves

Equipped with our durable ceramic spool pilot technology, the Mill Duty Descale Valves deliver 100% shifting reliability due to direct solenoid operation with a dry-pin armature to eliminate sticking due to varnishing, contamination, or dirt buildup.



Directional Control Valves

Our directional control valves are specifically designed for low-viscosity media such as water, 95/5 and other fluids. These valves are ideal for applications from pump unloading to coil handling due to their corrosion-resistant materials, zero-leakage design and ease of maintenance.

Specialty Cylinders

Hunt Valve supplies critical-duty specialty cylinders for the steel, aluminum, hydro power and mining industries. Applications include aluminum caster cylinders, aluminum furnace tilt cylinders, hydro dam and gate cylinders and nuclear fuel handling system cylinders. We specialize in unique custom design applications where reliability, a long-term service life, a detailed quality assurance program and comprehensive documentation are important.



Visit www.huntvalve.com to learn more about all Hunt Valve Solutions.