



ENGINEERED SOLUTIONS FOR UPSTREAM OIL & GAS



Proven in major heavy oil facilities for 30+ years, the **Conval SaVD Assembly** offers double block and bleed in a compact design, with one installation weld. Simplify maintenance while ensuring safe depressurization with minimal fluid release for improved safety and environmental protection.

Conval Clampseal® Globe Valves provide in-line repairability in high-pressure, high-temperature applications. The pressure-actuated backseat ensures valve integrity while the pressure seal bonnet enables easy servicing. Repair success rates at one plant jumped from <50% to >90% after switching to Clampseal valves.



Conval Throttling Valves ensure repeatable flow control and dependable shutoff in severe service. The removable seat allows easy replacement, while the pressure seal bonnet enables quick, weld-free servicing. Trusted by plant operators for 50+ years.

Hora Automatic Recirculation Valves are engineered to extend centrifugal pump life. In-line serviceability cuts maintenance time, while a specialized piston reduces vibration impact. Proven to perform and cut costs in SAGD operations.



We can source or supply custom valve solutions to meet your specific requirements.



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SchuF is the original inventor of the **Lift Plug Valve** designed to deliver 100% seal tightness with non-wearing internal movement and full-bore unimpeded flow in severe applications. It's simple, gasket-free design minimizes maintenance and prevents clogging.

SchuF HP Angle Control Valves are designed to prevent particle impingement and buildup for extended service life. With 100+ years of experience and 20,000+ designs, SchuF products are trusted by plant operators to solve process challenges and minimize downtime.



Backed by years of established reliability worldwide, **SchuF Line Blinds** provide fast, reliable shut-off for critical applications with one-person operation and no bolts to remove. Available in various designs and materials to ensure safe blinding in minutes.

Frontier Valves' S3 Ball Valves are available in two- or three-piece configurations with threaded or bolt-together designs. Known for reliability and ease of maintenance, Frontier valves are made in Canada, with a production capacity of up to 1,000 units per week.





ENGINEERED SOLUTIONS FOR REFINERIES



Reduce maintenance costs and downtime with the **Conval Camseal Ball Valve**. The top-entry design enables in-line renewal and zero leakage restoration in just 30 minutes! Type-tested with high-pressure nitrogen, it achieved zero bubbles in four minutes—proof of superior sealing and durability.

Conval Clampseal® Globe Valves provide in-line repairability in high-pressure, high-temperature applications. The pressure-actuated backseat ensures valve integrity while the pressure seal bonnet enables easy servicing. Repair success rates at one plant jumped from <50% to >90% with Conval valves.



Proven in major heavy oil facilities for 30+ years, the **Conval SaVD Assembly** offers double block and bleed in a compact design, with one installation weld. Simplify maintenance while ensuring safe depressurization with minimal fluid release for improved safety and environmental protection.

Frontier Valves' S3 Ball Valves are available in two- or three-piece configurations with threaded or bolt-together designs. Known for reliability and ease of maintenance, Frontier valves are made in Canada, with a production capacity of up to 1,000 units per week.





ENGINEERED SOLUTIONS FOR REFINERIES



Backed by years of established reliability worldwide, **SchuF Line Blinds** provide fast, reliable shut-off for critical applications with one-person operation and no bolts to remove. Available in several designs and materials, achieve safe, efficient blinding in minutes.

SchuF HP Angle Control Valves extend service life by preventing particle impingement and buildup. Designed with a replaceable seat, these valves are trusted by plant operators to minimize downtime and reduce costs. With 100+ years of experience and 20,000+ designs, SchuF products are trusted by plant operators to solve process challenges and minimize downtime.



SchuF is the original inventor of the **Lift Plug Valve** designed to deliver 100% seal tightness with non-wearing internal movement and full-bore unimpeded flow in severe applications. Its simple, gasket-free design minimizes maintenance and prevents clogging.

Mascot Valves delivers highly engineered **Control Valves** with solid tungsten carbide and ceramic trims for the most demanding applications. The **GFlo Control Valve** with a spring-cylinder actuator for accurate positioning and high-speed control, surpasses traditional diaphragm-operated valves.





PROVEN SOLUTIONS FOR NATURAL GAS SERVICE



Boehmer Fully Welded Gas Ball Valves

German-engineered to withstand the highest loads, these fully welded gas valves feature a PMSS sealing system for superior durability and tight shut-off. Certified hydrogen ready (up to 100%)!

VRG Valve Pilot Controllers. Designed for precision and reliability in natural gas regulation, VRG's valve pilot controllers ensure zero emissions at steady state, full open, and full closed. Modular "plug & play" design integrates 5 controllers into a single platform, ensuring efficient, eco-friendly control for transmission pipelines.



VRG Red OX Regulator features a single-piston design for enhanced reliability and low maintenance. Fully tested for hydrogen applications up to 100%, the Red OX regulator ensures performance in gas distribution, transmission, and industrial settings.

VRG Rotary Control Valves feature a trunnion-mounted design with a full-bore opening, delivering high capacity and exceptional flow rangeability for natural gas control applications.



We can source or supply custom valve solutions to meet your specific requirements.



PROVEN SOLUTIONS FOR NATURAL GAS SERVICE



Frontier Valves' S3 Ball Valves are available in two- or three-piece configurations with threaded or bolt-together designs. Known for reliability and ease of maintenance, Frontier valves are made in Canada, with a production capacity of up to 1,000 units/week.

Goetze Pressure Relief Valves offer a compact design for the protection of pressure tanks and pressure systems. These angle-type valves made of durable gunmetal with threaded connections are available in a gas-tight version or with a lifting lever.



Goetze High Pressure Safety Valves can be used in industrial gas applications up to 21,756 psi and are installed in hydrogen refueling stations around the world. Goetze also manufactures **pressure reducing valves** for gas regulation with a cartridge design for easy servicing without valve removal.

Hora Axial Valves are a superior alternative to conventional globe valves. The flow-optimized housing minimizes turbulence, ensures smooth operation, and delivers precise control. The fully balanced design reduces actuation force, lowering energy consumption and overall operating costs.





SAFETY IN HYDROGEN APPLICATIONS



Boehmer Ball Valves have been used in 100% hydrogen applications for 20+ years. The first company in the world tested for service in hydrogen and with a signed TÜV test report, Boehmer's forged body and fully welded design deliver superior reliability and tight shut-off.

Goetze Safety Valves can be used in hydrogen applications up to 21,756 psi and are installed in hydrogen refueling stations around the world.



Tested and proven for up to 100% hydrogen content, the **VRG Red Ox Regulator** is zero steady state emissions capable. Fully "hydrogen-ready" version with 316SS metallurgy available.

SchuF Cryogenic Globe Valves are utilized in liquid and green hydrogen applications. The integral seat and self-aligning disc ensure bubble-tight shut-off and extended seal life while the back-seat sealing design prevents moisture and impurities from leeching into the packing.



We can source or supply custom valve solutions to meet your specific requirements.

Contact: sales@armourvalve.com



SAFETY IN HYDROGEN APPLICATIONS



Conval Globe Valves have been installed in Hydrogen applications for 15+ years. Valves meet or exceed all known standards for fugitive emissions, are in-line repairable and designed for ease of service and operation.



Conval SaVD – A safe, environmentally friendly venting and draining of hydrogen piping systems. Requires only one installation weld and is easy to maintain in-line.



OS&B Industrial HP double and triple offset butterfly valves and ball valves are available for hydrogen and hydrogen peroxide service. Adjustable stem packing affords easy access to the gland bolts without removing the operator.



Hora Gas Valves are hydrogen ready! Plug-in arrangement of the inner trim saves maintenance time and costs. Hybrid seat gasket enhances the functional safety of actuators.