



# VALVES TRUSTED FOR GENERATIONS

Discover Armour Valve's industry-leading products, expert services, and partnerships that deliver lasting performance.

# TABLE OF CONTENTS

<b>ABOUT US</b>	<b>03</b>
<hr/>	
<b>OUR PURPOSE</b>	<b>04</b>
<hr/>	
<b>WHY CHOOSE ARMOUR VALVE</b>	<b>05</b>
<hr/>	
<b>OUR SUPPLIERS</b>	<b>06</b>
<hr/>	
<b>PRODUCT RANGE</b>	<b>7-16</b>
<hr/>	
<b>LET'S TALK SOLUTIONS</b>	<b>17</b>
<hr/>	
<b>AFTER MARKET SERVICES</b>	<b>18</b>
<hr/>	
<b>CLIENT SUCCESS STORIES</b>	<b>19</b>
<hr/>	



# About Us

[armourvalve.com](http://armourvalve.com)

## We keep energy and industrial producers producing!

Founded in 1971, Armour Valve began with a clear purpose: to bring high-quality, industry proven valve solutions to Canadian industry. Over five decades later, we remain proudly family-owned and focused on the same mission—supporting energy and industrial producers with reliable products, expert guidance, and long-term value.

Our culture is grounded in six core values—teamwork, health, respect, integrity, vision, and excellence—and a commitment to helping our clients solve their complex valve challenges. As industries evolve, so do we—continuously adapting to meet the demands of critical applications with solutions that perform well in severe service applications.



## OUR PURPOSE

We exist to transform infrastructure for a healthy, thriving planet.



### Vision

To be the partner of choice for forward-thinking leaders shaping—Industry 5.0; delivering advanced valve and equipment solutions that accelerate sustainable transformation and industrial resilience.

### Sustainability

We believe performance and sustainability go hand in hand. Our purpose drives us to deliver solutions that reduce emissions, extend equipment life, and improve efficiency.

We've **committed to net-zero emissions by 2040** and are already making progress—cutting our energy use by 29% in just one year. We work with manufacturers who share our values, offering products that help clients meet their environmental and operational goals.

Whether you are upgrading systems or planning new installations, we're here to support your sustainability targets with proven, high-performance solutions.

We're proud to have achieved **Diamond Status** in **Canada's Net-Zero Challenge**—reinforcing our commitment to helping customers operate more sustainably and efficiently.



### Mission

We deliver innovative specialty valve and equipment solutions that uphold the highest standards in quality, safety, and performance—, creating enduring value and equipping our clients to thrive in a future shaped by intelligent, sustainable industry.

# Why Choose Armour?

When you choose Armour Valve, you gain more than a supplier—you gain a trusted partner committed to your success. For over 50 years, we've helped customers overcome complex flow control challenges with confidence, delivering reliable solutions backed by deep technical expertise and responsive support.

As a Diamond-level Net-zero Challenge company, we take pride in our commitment to sustainability and inclusive business practices. Beyond pursuing our own net-zero goals, we help customers reduce emissions, improve safety, and minimize downtime—creating healthier, more resilient infrastructure. From hands-on training and field support to tailored solutions, Armour Valve is here to keep your operations running smoothly, efficiently, and with a lighter carbon footprint.



## 50+ YEARS IN BUSINESS

We are committed to helping you select the right solution the first time and will never compromise recommendations for the sake of a sale.



## SUPERIOR PRODUCT OFFERINGS

Through extensive engineering, state-of-the-art production, and rigorous testing, our products consistently outperform competing lines.



## COMMITMENT TO QUALITY

With strict quality control processes in each stage of our operation, we ensure that you only receive the highest quality products and services.



## VALUE ADDED SERVICES

We offer comprehensive after market support to our customers to help ensure their processes run as efficiently as possible.



## EXPERT CONSULTATION

Join countless satisfied clients who have relied on our expertise for their custom valve solutions.

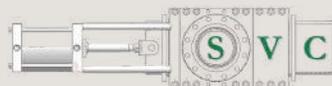
# Supply Partners

For more than 40 years, Armour Valve has proudly partnered with leading specialty industrial valve and process equipment manufacturers—brands that share our unwavering commitment to quality and customer service. In addition to our core product offerings, we provide solutions from a range of complementary brands to meet diverse application needs.

We represent some of the world’s most respected manufacturers, each recognized for their expertise and innovation. Every product we recommend is carefully evaluated to ensure it meets or exceeds industry standards and delivers the right technical fit for your specific requirements.



## OUR CORE BRANDS





For nearly seven decades, Boehmer Ball Valves have set the standard in isolation performance across natural gas, hydrogen, and district energy hot water systems. When safety, durability, and reliability are non-negotiable, operators choose Boehmer.

Now officially TÜV NORD certified H2Ready, Boehmer Ball Valves meet the rigorous demands of next-generation energy systems—ready to support the global shift toward clean, sustainable energy.

With decades of experience designing and manufacturing ball valves, Boehmer produces a wide range of valves for various applications—and can customize solutions to meet each customer's unique requirements.



## Boehmer Fully Welded Ball Valve

When it comes to gas transmission and distribution, Boehmer valves are known for doing the job right and doing it for the long haul. Designed for both above-ground and buried service, these valves deliver tight shut-off, long service life, and dependable performance in demanding conditions.

Fully welded construction

PMSS sealing system

DIB-1 (with double piston sealing)

Hydrogen certified (TUV Nord)

## Industries Boehmer Supports

Boehmer's solutions can be found in various industries across Canada but not limited to:



District Energy



Oil & Gas



Scan to view full product line



Conval Inc. designs and manufactures high-pressure, high-temperature forged steel valves engineered for the world’s most demanding applications. As a leader in severe service, Conval delivers rugged, in-line repairable valves that consistently outperform industry standards—offering the lowest lifecycle cost in their class.

To maximize operational efficiency, Conval valves feature interchangeable parts across installations, allowing entire plants to be supported with minimal inventory. This reduces stocking costs, simplifies procurement, and streamlines maintenance training. Backed by a two-year warranty, every Conval valve reflects our commitment to long-term performance, reliability, and customer satisfaction.



### Conval Camseal® Ball Valve

Reduce maintenance costs and downtime with Conval’s Camseal® metal-seated ball valve for high-pressure, high-temperature applications. The Camseal features a unique top-entry design for quick in-line access and simple cartridge style trim replacement. Armour Valve distributes Conval in Canada—bringing you valves that work smarter, last longer, and save you time and money.

**In-line repairability**

**Cartridge style top entry**

**Provides zero leakage**

**Easy to read position indicator**

## Industries Conval Inc. Supports

Conval’s solutions can be found in various industries across Canada but not limited to:



Chemical & Petrochemical



Industrial Processes



Pulp & Paper



Oil & Gas



Fertilizer



Power Generation



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Headquartered in Spain and backed by over 40 years of experience, CMO Valves offers a comprehensive range of knife gate valves, dampers and penstocks designed to meet the diverse needs of industries worldwide. CMO products are built to perform reliably across a wide spectrum of applications—from dry bulk solids to slurries, liquids, industrial water and wastewater, pulp & paper and more.

With a strong focus on customization, CMO delivers engineered Knife Gate valve that align with each customer’s specific requirements. CMO manufactures the valves you need—engineered for performance and reliability.



### CMO XB Knife Gate Valve

CMO Valves manufactures high-performance knife gate valves built for every stage of the mining process—from extraction to thickening—alongside applications such as cement, pulp & paper and industrial water & waste water. The XB series is a bidirectional knife gate valve designed with a monoblock cast-iron body, a stainless steel gate, and a polyurethane inner body liner that ensures durability and reliable performance. Engineered to deliver high flow rates with minimal pressure losses. Sealing joints between flanges are not required, as they are incorporated directly into the body, simplifying installation and maintenance.

One-piece cast body

High flow rate, low pressure drops

Custom engineered solutions

Hydrostatically tested in-house

## Industries CMO Valve Supports

CMO Valves solutions can be found in various industries across Canada but not limited to:



Mining & Ore Processing



Pulp & Paper



Industrial Water & Wastewater



Power Generation



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For over 25 years, Flow Control Industries (FCI) has delivered high-performance pressure independent control valves for commercial heating and cooling systems. Through a consultative approach, FCI helps clients improve energy efficiency, and reduce total cost of ownership. The DeltaPValve®, FCI's flagship product, is the only variable flow hydronic system that guarantees Delta T—setting a new benchmark for system performance. Trusted in projects worldwide, DeltaPValves are consistently saving customers millions of dollars in first costs, operating costs, and deferred capital costs.



## Flow Control Industries DeltaPValve

The DeltaPValve restores up to 30% of lost system capacity while delivering consistent, year-round performance. Its patented pressure-independent design helps district energy systems run smarter — saving energy, cutting costs, and avoiding unnecessary upgrades. Proven to save millions annually, the DeltaPValve is a smart investment for efficient, scalable heating and cooling networks.

**Reduce energy costs and maintenance**

**Recover system capacity**

**10-year warranty**

**Lowest cost of ownership**

## Industries FCI Supports

FCI solutions can be found in various industries across Canada but not limited to:



**District Energy**



**Scan to view full product line**

# HORA



Trusted for over 50 years, HORA specializes in high-performance control valves for water and steam applications in power plants. Built with meticulous material selection and engineered for durability, HORA valves deliver reliable operation—even under extreme conditions.

Partnering with HORA means gaining access to decades of engineering expertise, innovative technology, and custom solutions tailored to your precise specifications. HORA's feedwater control valves are especially valued by our customers for their cost-efficiency—featuring an integrated design that combines two control functions into a single valve, simplifying installation and reducing system complexity. HORA also supplies service friendly Automatic Recirculation Valves that help reduce maintenance time and extend equipment life.



## HORA Steam Conditioning Valve

HORA steam conditioning valves combine pressure-reducing and desuperheating performance in a single mechanical solution. HORA's steam conditioning solutions offer multi-stage pressure control and high rangeability to handle a wide range of load conditions. HORA valves deliver the reliability and efficiency your process demands—without the downtime.

Field  
serviceable  
design

Pressure-  
reducing and  
desuperheating

Customizable  
configurations

Multi-stage  
pressure  
control

## Industries HORA Supports

HORA's solutions can be found in various industries across Canada but not limited to:



Power Generation



Pulp & Paper



Oil & Gas



Chemical &  
Petrochemical



Mining & Ore  
Processing



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product line



# ONYX VALVE



Onyx Valve Company is a trusted manufacturer of durable, high-performance flow control products designed to meet a wide range of industrial process needs. Known for its straightforward designs and reliable performance, Onyx delivers solutions that are easy to maintain and built to perform under pressure.

All Onyx products are engineered and manufactured in-house at their modern facility in New Jersey. From rubber sleeves to valve castings, every component is crafted to exact specifications using advanced machining and molding techniques. This hands-on approach ensures consistent quality and allows Onyx to respond quickly to customer needs. The team includes experienced valve specialists who work closely with clients to solve complex challenges and deliver tailored solutions.



## Onyx Isolator Ring

The Onyx Isolator Ring offers a straightforward solution for capturing accurate pressure readings in systems handling abrasive slurries and corrosive fluids. Designed for compatibility with flanged piping, the PSW series fits neatly within the bolt circle of mating flanges—ensuring precise alignment, reduced weight, and a cost-effective installation. And thanks to the patented Module Seal, instruments can be installed, calibrated, or replaced quickly—keeping downtime to a minimum and operations running smoothly.

**Clog-resistant design**

**Tool free instrument change**

**Integral block valve and module seal**

**Superior accuracy to diaphragm seals**

## Industries Onyx Supports

ONYX's solutions can be found in various industries across Canada but not limited to:



Municipal & Regional Services



Pulp & Paper



Oil & Gas



Chemical & Petrochemical



Mining & Ore Processing



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Trusted for over 70 years, Persta delivers forged valve solutions built for demanding service. Engineered for high-pressure, high-temperature applications, Persta valves provide exceptional leak tightness, low maintenance costs, and long service life. Manufactured from in-house forged steel, each valve guarantees durability, performance, and uncompromising product quality.



### Persta High Pressure Forged Valve

Persta manufactures high-pressure die-forged gate, globe, and check valves, and line blinds for steam and water applications. Persta valves are available in a range of materials and body designs to suit a variety of application and installation requirements. The Persta valve design allows for easy and efficient maintenance using conventional tools.

**Forged steel construction**

**Field friendly maintenance**

**Rated for extreme conditions**

**Tight seal for long service life**

## Industries Persta Supports

Persta’s solutions can be found in various industries across Canada but not limited to:



Oil & Gas



Mining & Ore Processing



Chemical & Petrochemical



Power Generation



Pulp & Paper



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With over one million valves delivered worldwide, SchuF brings a century of experience to the design and manufacture of process-critical, dead-space-free valves. Renowned for engineering excellence, SchuF collaborates closely with customers to invent, design, and build valves tailored to exact specifications—ensuring durability, reliability, and performance across industries.



## SchuF Sampling Valve

These offer a smart and reliable way to extract or inject fluids from tanks, reactors, and pipelines while ensuring operational safety. Built for durability and ease of use, they perform consistently even in the most challenging process conditions. With one of the most extensive product ranges in the industry, SchuF delivers solutions that match your exact priorities—whether that’s fire safety, high-temperature tolerance, zero leakage, or simplified maintenance. The modular design allows for flexible installation—top, bottom, or side—and features a self-cleaning, dead-space-free seal system that ensures clean, clog-free sampling every time.

**Dead space free**

**Bottle systems available**

**Low maintenance and longevity**

**Various end connections and accessories**

## Industries SchuF Supports

SchuF’s solutions can be found in various industries across Canada but not limited to:



Oil & Gas



Mining & Ore Processing



Chemical & Petrochemical



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Somas designs and manufactures high-quality control and on/off valves using acid-proof stainless steel. Driven by decades of expertise and a passion for solving complex process challenges, they combine advanced technology with a commitment to sustainable, customer-focused solutions. Backed by more than 75 years of collective experience, their team delivers reliable products and tailor-made service packages that meet the highest industry standards. From valves and actuators to positioners, every Somas product is built for ease of use, long-term performance, and simple maintenance—no matter where it's installed.



### Somas Ball Segment Valve

The Somas ball segment valve is an excellent choice for demanding pulp and paper applications—particularly for handling black liquor—thanks to its high flow capacity, tight shut-off, and precise control capabilities. Designed for smooth operation and quick servicing, the Somas ball segment valve delivers consistent performance in demanding environments.

Backlash-free performance

One-piece shaft

Minimizes clogging risk

High flow capacity

## Industries SOMAS Supports

SOMAS' solutions can be found in various industries across Canada but not limited to:



Power Generation



Mining & Ore Processing



Chemical & Petrochemical



Pulp & Paper



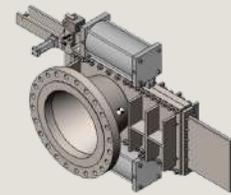
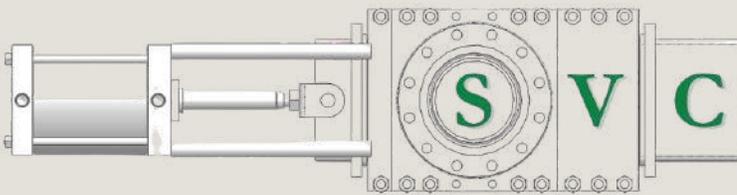
Industrial Processes



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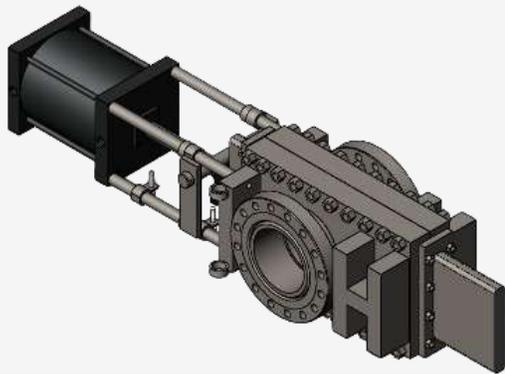


Sombook



Stainless Valve Company (SVC) specializes in custom-built O-port valves designed for the most demanding applications. Each valve is tailored to meet specific process and installation requirements, delivering reliable performance in severe service environments.

In Canada (excluding the Maritime provinces), Armour Valve proudly represents SVC across key industries including Pulp & Paper, Mining, Biomass/Waste to Energy, and Petrochemical. Together, we're committed to providing problem-solving valve solutions backed by exceptional technical support and service.



### Stainless Valve Co. Stargate O-Port Valve

The Stargate-O-Port-Valve® is a high-performance maintenance-free solution for severe service applications. Its defining feature is a well-guided blade that passes through both ends of the valve body, with a central port that creates a direct, unobstructed flow path—essentially functioning like a “flat” ball valve. This unique design eliminates internal volume change during actuation, preventing buildup and ensuring consistent sealing. Unlike traditional ball or knife gate valves, it eliminates dead space, requires minimal maintenance, and offers versatile installation in any orientation.

No clogging or jamming

Custom engineered valves

Handles solids with ease

No lubrication required

## Industries SVC Supports

SVC solutions can be found in various industries across Canada but not limited to:



Mining & Ore Processing



Oil & Gas



Chemical & Petrochemical



Pulp & Paper



Industrial Processes



Scan to view full product line

# LET'S TALK SOLUTIONS

At Armour Valve, we help you solve complex process challenges—not just select products. Our team works with you to find the right valve solution for your performance goals, environmental targets, and budget. With technical experts across Canada, we're ready to support you wherever you operate.

**Let's tackle your toughest severe service valve challenges. Together, we'll find the right solution.**

## REAL RESULTS WE'VE DELIVERED

- Saved weeks of road disruption for a municipality with flexible piping and horizontal drilling
- Cut downtime costs by 87.5% for a methanol producer using SchuF Cam-Set® line blinds
- Increased steel output by 500 metric tons/day with a SchuF goggle valve solution
- Eliminated bi-monthly maintenance for a mining operator with SchuF Ram valves
- Solved autoclave solidification issues by extending uptime

## Our Coast-to-Coast Coverage



## CONTACT US

### Western Team

Northern Alberta & Manitoba.....	198
Alberta Central & South.....	189
British Columbia & Saskatchewan.....	202

### Eastern Team

Ontario East & Quebec.....	86
Ontario North & West.....	201
Atlantic Canada.....	162
Toll-free number .....	1-800-268-3508

Email us at [info@armourvalve.com](mailto:info@armourvalve.com)



# AFTER MARKET SERVICES

Our certified technicians and tailored programs empower your team to maintain performance, reduce downtime, and stay ahead of maintenance challenges. With a proven track record across industries, we're the partner you can count on when reliability matters most.

- ✓ Materials Planning
- ✓ Hands-on Training
- ✓ Field Maintenance & Repair
- ✓ Shutdown Lockbox
- ✓ Conval Service Toolkit
- ✓ Fixed Price Contracts
- ✓ Commissioning Support

Armour Valve offers a range of complimentary and preferentially priced services to valued customers.

Contact us at [info@armourvalve.com](mailto:info@armourvalve.com).

# CLIENT SUCCESS STORIES

VALVE REPAIR SUCCESS RATE INCREASED FROM <50% TO >90% WITH ARMOUR VALVE SUPPORT



## 1. ISSUE

A major Canadian power plant was running into a frustrating issue—valves were failing too often, and repairs were slow and costly. Every time a valve needed fixing, it had to be cut out of the line, which meant longer outages. Their repair success rate was under 50%, and reliability was becoming a real concern.

## 3. IMPACT

The result? A 90% valve repair success rate, less downtime, and lower maintenance costs. The plant now runs more reliably, with safer operations and better long-term performance.

## 2. SOLUTION

Armour Valve stepped in with a smarter solution: Conval in-line repairable valves built for high-pressure, high-temperature service. These valves could be serviced without removing them from the line, saving time and simplifying maintenance. We also trained their team to ensure repairs were done consistently and confidently, increasing their success rate from <50% to >90%.



Scan for more Case Studies

**WE EXIST TO TRANSFORM INFRASTRUCTURE FOR A HEALTHY, THRIVING PLANET**

## **CONTACT US**

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