

JOHN BROOKS

Valves



Pump • Spray • Valve • Filtration

johnbrooks.ca

Valve Solutions, for Complete Control

Flow control is critical to safety, efficiency, and process integrity. John Brooks provides valve solutions engineered for precision, durability, and control in demanding industrial environments.

Broad valve technologies across industries.

Application-driven selection and specification.

Trusted brands with proven performance records.

Contact us for a free consultation or to request more information:

1-877-624-5757 • industrialsales@johnbrooks.ca



Industries Served



Food & Beverage



Oil & Gas



Pulp & Paper



Power & Energy



Water & Wastewater



General Manufacturing



Mining & Metals



Transportation



General Industry



Chemical & Biochemical



Pharmaceutical



Why John Brooks?

With decades of industry experience, we take a process-first approach to valve selection and flow control. Our team works upstream to understand operating conditions, control requirements, and system demands before recommending the right valve solution.

By combining deep application expertise, trusted valve technologies, and long-term post-sale support, we deliver dependable flow control solutions that support safety, reliability, and long-term performance.

Application Expertise. Trusted Technologies. Long-term Performance

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Function

Regulation/flow control

Types Available

Globe valve
Needle valve
Pinch valve
Diaphragm valve
V-port ball valve
Segmented ball valve

Flow Control Valves



Certification(s): (available upon request)*

Features and Benefits

- Precise flow regulation
- Variety of control mechanisms
- Stable/repeatable performance
- Wide range of sizes and configurations
- Durable construction materials for any media
- Accurate control of system performance
- Improved energy efficiency
- Enhanced equipment protection
- Greater process stability and quality
- Higher safety/reduced risk
- Flexible system integration
- Lower maintenance/long service life



Function

Equipment isolation

Types Available

Gate valve
Knife gate valve
Globe valve
Diaphragm valve
Pinch valve
Wedge gate/slide gate valve
Plug valve
Ball valve
Butterfly valve

Isolation Valves



Certification(s): (available upon request)*

Features and Benefits

- Full shutoff capability
- Quarter-turn or multi-turn operation
- Robust sealing technologies
- Wide range of pressure and temperature ratings
- Durable construction materials for any media
- Manual, automated, or remote operation
- Safe, reliable system shutdown
- Protection of downstream equipment
- Increased maintenance efficiency
- Reduced leakage and environmental risk
- Operational flexibility
- Long service life



Check/Non Return Valves



Certification(s): (available upon request)*

Features and Benefits

- Automatic
- Non-return operation
- Multiple internal mechanism options
- Protection against backflow and back-pressure
- Wide range of pressure and temperature ratings
- Durable construction materials for any media
- Low maintenance
- Protection of pumps, compressors, and process equipment
- Reduces water hammer
- Minimal operator involvement
- Long service life



Function

Protection against reverse flow and water hammer

Types Available

Swing check
Lift check
Piston check
Tilting disc check
Dual-plate/wafer check
Ball check
Stop check

Pressure Relief, Safety, & Air Release Valves



Certification(s): (available upon request)*

Features and Benefits

- Adjustable set pressures
- Wide material options
- High temperature, corrosion, and steam rated materials
- Prevention of overpressure conditions
- Protection of pumps, piping, vessels, instrumentation
- Increases equipment life
- Reduces risk of system failures
- Minimal maintenance and long service life



Function

Process or equipment over-pressure protection, air release, air lock mitigation

Types Available

Pressure relief
Safety
Safety relief
Pilot-operated relief
Vacuum relief

Function

On/off control in pneumatic/hydraulic systems

Types Available

Solenoid valves (2,3,5-way)
Angle seat valves
Pilot valves

Directional Control & Automated Valves

Certification(s): (available upon request)*



Features and Benefits

- Multi-port, multi-position designs
- Various actuation methods
- Fast switching capability
- Fail-safe configurations
- Smart positioners, I/O modules for precise control
- Feedback devices
- Automation of isolation and flow control
- Higher process accuracy
- Consistent performance
- Remote and real-time control
- Lower long-term operating costs



Function

Engineered valves designed for challenging media, extreme/severe conditions, or niche applications

Types Available

Cryogenic
Sanitary/hygienic
Ball-segment
Plug
Slurry (knife-gate, pinch, ceramic)
High-pressure
Chemical service (PTFE lined)
Sampling

Specialty Process Valves

Certification(s): (available upon request)*



Features and Benefits

- Application-specific designs
- Robust construction materials
- High cycle life under severe conditions
- Special sealing systems
- Options for full automation
- Compliance with specific industry standards
- Greater reliability in extreme applications
- Longer service life
- Reduced maintenance costs
- Improved process safety
- Higher uptime
- Customizable for the exact application



Actuator Types

Certification(s): (available upon request)*



Features and Benefits (Electric)

- Motor driven with precise positioning
- Built-in diagnostics and smart actuator options
- Clean operation - no air or hydraulic fluid required
- Available in weatherproof, explosion proof, and marine enclosures
- Excellent accuracy and repeatability
- Easy PLC, SCADA, DCS integration
- Low maintenance

Features and Benefits (Air/Pneumatic)

- Use compressed air for fast, strong movement
- Simple, rugged construction
- Compatible with smart positioners and solenoid valves
- Perform well in hazardous/explosive environments
- Fast, high-cycle operation
- High reliability
- Lower upfront cost
- Easy to maintain



Function

Operation of linear and quarter-turn valves, manual or mechanized

Types Available

Manual (handwheel, lever, gearbox)
Electric
Pneumatic (spring return or double acting)
Hydraulic
Electro-pneumatic positioner
Smart actuators

Packaged/Custom Valve Assemblies

Certification(s): (available upon request)*



Any of our Valve products can be packaged/automated; in addition we can incorporate customer-issued valves/actuators/accessories.

Features and Benefits

- Factory/supplier assembled and tested
- Can include actuator, mounting kit, limit switch
- Positioner, solenoid, etc.
- Mechanical and electrical compatibility guaranteed
- Reduced installation time
- No compatibility guesswork
- Lower lifecycle costs
- Faster commissioning



*Certifications: API 520 / 521 / 526 / 527, API 598 / 600 / 602 / 603 / 608 / 609, API 6A / 6D, ASME B16.34 / B16.5 / B16.47 / B31.1 / B31.3, ASME Section I / IV / VII, ASTM A216 / A351 / A105 / A182, AWWA C507 / C508 / C509 / C515 / C540, AWWA C512 / C541 / C550, ATEX, CE, CRN, CSA, CSA / CRN / NFPA 13 / 20 / 25, IEC 60529, IECEx, ISO 9001, ISO 17292 / 5208, ISO 4126 / 5208, ISO 4401 / 5599 / 5781 / 15407 / 4414 / 19973, ISO 4413 / 4414 / 5210 / 5211, MSS SP Series, NACE, NACE MR0175 / MR0103, NFPA, PED, PED / CE, PED / CRN, RoHS, SIL, UL 429, UL / CSA, UL / FM, WRAS, NSF 61, NSF 372

Your complete connection to fluid handling solutions.

Pump • Spray • Valve • Filtration

Since 1938, John Brooks has been helping engineering teams, contractors, plant operators and municipal infrastructure professionals keep their operations flowing. Leveraging integrated solutions, engineered products and proven technical expertise, we support the full lifecycle of fluid handling systems from design and specification through installation and ongoing performance.

Pump

Whether you're looking for a positive displacement or centrifugal pump, we'll help you select and specify the fluid handling technology that best suits your application. By working closely with you to understand your process, fluid characteristics, system requirements, and product expectations, we determine which pump technology best suits your needs. With our extensive portfolio of leading global manufacturers in both categories, we can match you with the right pump to meet your overall requirements.

What we offer:

- Extensive portfolio from leading global manufacturers plus Canadian service and parts support.
- Simple base sets to custom pump packages with controls, piping, valves and enclosures designed and fabricated to your application requirements.
- OEM and aftermarket parts, onsite service and maintenance programs.
- Applications spanning general industrial, municipal water/wastewater, food and beverage processing, oil and gas, and mining.

Spray

From cleaning and coating to dust control and humidification, our spray systems deliver high performance and minimal downtime across industrial and municipal applications. We support your process with nozzle-and-system pairing, full installation support and maintenance programs.

What we offer:

- Standard and custom spray nozzles, lances, manifolds, and systems for a wide range of industrial uses.
- Applications include cleaning/washing, cooling/quenching, coating, descaling, dust suppression, and humidification.
- Partnering with top manufacturers to provide reliable system design and long-term performance.
- Full-service support: installation guidance & replacement parts.

Filtration

Filtration plays a critical role in protecting equipment, ensuring compliance and maintaining fluid integrity. We provide everything from bag-and-cartridge filters to engineered vessels and skids, all backed by expert selection and support.

What we offer:

- Bag filters, cartridge filters, strainers, and self-cleaning systems for a range of applications.
- Large-scale engineered solutions fabricated in-house for fluid handling, process and environmental systems.
- Leading manufacturer partnerships that deliver consistent, long-term support and performance.
- Integrated systems with our pumps and valves for seamless performance.

Scan the QR code to access the detailed line card and the full product catalog.



