



**SPRAYING
PUMPING
FILTERING
AND VALVES**

Engineered Fluid Handling Solutions



We create solutions for the people who keep our world flowing.



The Engineering Experts You Need

The Engineered Solutions Team at John Brooks Company comprises professional engineers and application experts who specialize in fluid handling projects involving:

- ▶ Pumping
- ▶ Spraying
- ▶ Filtering
- ▶ Valves
- ▶ Heat Exchangers
- ▶ Compressed Air Dryers
- ▶ Pressure Vessels
- ▶ Controls
- ▶ Piping
- ▶ Mechanical Design
- ▶ Water & Wastewater Treatment
- ▶ And More!

We have the expertise and resources to tackle everything from **small custom equipment packages** to **complete system overhauls** and **turn-key solutions**. It's our job to react and adapt quickly to accommodate any unique requirements or specifications your application may have.



Industries We Serve

Founded in 1938, John Brooks Company has provided customized and pre-engineered **fluid handling solutions** that are **fit-for-purpose** in all segments of Canadian Industry including: Chemical & Petrochemical, Food & Beverage, General Industrial, Mining, Municipal, Oil & Gas, Pharmaceutical & Biotech, Power & Energy, Pulp & Paper, Water & Wastewater Treatment.



CHEMICAL &
PETROCHEMICAL



FOOD &
BEVERAGE



GENERAL
INDUSTRY



MINING



MUNICIPAL



OIL & GAS



PHARMACEUTICAL
& BIOTECH



POWER & ENERGY



PULP & PAPER



WATER &
WASTEWATER
TREATMENT



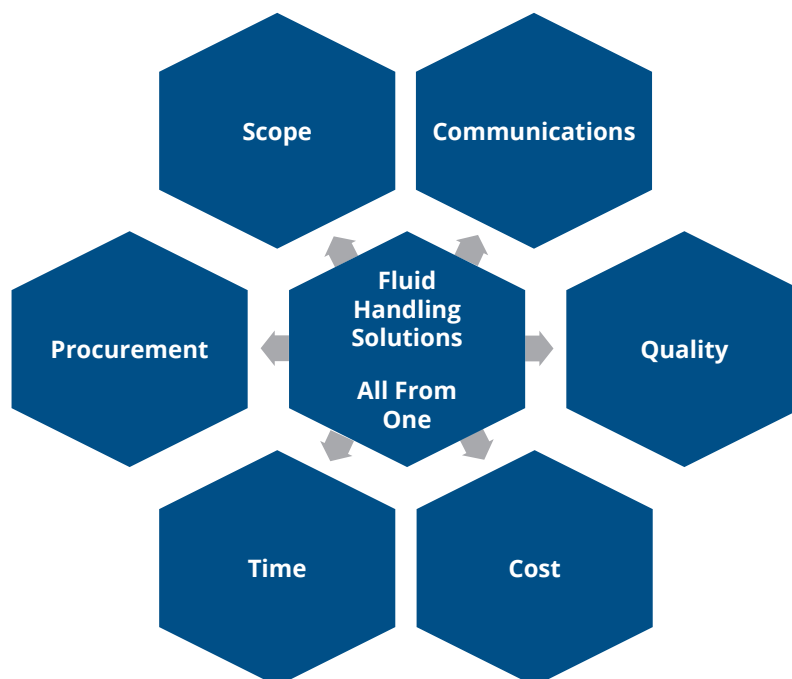
Our Engineering Capabilities

With respect to fluid handling systems, our primary engineering disciplines are Mechanical & Electrical, with significant experience in pumps, piping, filtering, and spraying applications. We also have extensive experience in the design, fabrication, assembly, and testing of these systems. Our design and drafting capabilities include Auto CAD and Autodesk Inventor.

Our Engineered Systems' work focuses primarily on designing and building custom, turn-key fluid handling systems featuring our core products that range from small stand-alone packages and skids to large, multi-million-dollar projects for many of Canada's largest companies, engineering firms and contractors.

Our Engineering Solutions Team Includes:

- ▶ Product & Application Specialists
- ▶ Professional Engineers (P.Eng.) registered in Ontario, Manitoba, Saskatchewan, Alberta, and British Columbia
- ▶ Certified Engineering Technologists (CETs) registered in Ontario
- ▶ Certificates of Authorization (COAs) for public service in Ontario, Manitoba, Alberta, and British Columbia
- ▶ Full-Time Contract Administrators
- ▶ A Complete Fabrication Facility — MDA Filtration — in Cambridge, Ontario





Our Fabrication & Assembly Capabilities

Fabrication & Assembly

Within our Mississauga facility, we typically focus on small-scale fabrication and assembly. Our ticketed welders concentrated primarily on pump sets and small systems skids. Material handling capabilities at this location include items and assemblies up to 3,000 lbs.

Custom Duplex Filter Skid- Typical Process:



JB Valve Automation

John Brooks Company provides a sole-source service for all valve and automation requirements - our Experts assist in selecting the best components for your application, as well as in-house manufacturing, assembly, and testing.



Visit Our Webpage and Learn More





Our ASME Manufacturing Capabilities

Manufacturing: John Brooks has a wholly-owned Fabrication facility called MDA Filtration located in Cambridge, ON. Strategically located in the industrial sector of Ontario, Canada, MDA Filtration is near major transportation networks which allow for quick service and delivery. Our full ASME shop provides the latest technology in precision manufacturing.

- ▶ Equipped to fabricate large-scale vessels and filtration and pump skids.
- ▶ **TSSA Certified** to manufacture piping assemblies to B31.3 and B31.1.
- ▶ Certified to manufacture pressure vessels as per **ASME Boiler and Pressure Vessel Code, Section VIII, Division I.**
- ▶ Accredited by the **American Society of Mechanical Engineers** for the use of the **U and UM Stamps** and the current edition of **CSA Standard B51, Boiler, Pressure Vessels and Pressure Piping Code.**

For over 30 years, MDA Filtration has been involved in the manufacturing and world-wide distribution of high rate industrial and environmental pressure vessels and filtration systems and our dedicated and enthusiastic craftsmen are eager to share their experience with our customers.

Expertise is applied to every manufacturing phase to ensure maximum performance. We monitor progress throughout the process by inspecting and testing, while documenting results with each project.



Take Advantage of our Value-Added
Fabrication and Assembly Services





Our Custom & Pre-Engineered Solutions

Our highly qualified in-house Engineering Team provides value-added services for customized engineered solutions built to your unique specifications.

We also offer pre-engineered systems that we can tailor easily to meet most standard fluid handling applications.

We handle the design, fabrication, assembly, and commissioning of your systems. John Brooks Engineered Systems are built to the highest quality and will maintain operations and production with a low cost of ownership.

Our Systems Include:



Gland Seal Filter Systems



2-Stage Reclaim Filtration Packages



Chemical Metering Packages



Diesel Fuel Pump & Coalescers Skids



Packaged Chemical Additive Facilities



High Pressure Wash Systems

[Click Here for More Examples of Our Custom and Pre-Engineered Solutions](#)





Our Aftermarket Parts & Services

Maintaining customer satisfaction is just as important as maintaining your equipment. That's why John Brooks Company offers a full suite of aftermarket supports and services that include:

- ▶ Replacement and Refurbishment Parts
- ▶ Certified Training
- ▶ Commissioning
- ▶ Start-Up Service
- ▶ Preventative & Predictive Maintenance Service
- ▶ Warranty Support
- ▶ Authorized Service Centers



Visit Our Webpage to Learn More About
Our Aftermarket Parts & Services





Our Technologies & Key Manufacturers

John Brooks Company is proud to serve a wide variety of markets and applications with a diverse selection of fluid handling technologies from world-class manufacturers.



Our Portfolio of Products Include:

- ▶ Pumps
- ▶ Filtration Equipment
- ▶ Spray Products
- ▶ Valves & Valve Automation
- ▶ Air Products
- ▶ Heat Exchangers
- ▶ Aftermarket Parts
- ▶ Controls & Instrumentation

[Download Our Product Line Card](#)



Pumps

ANSI Process Pumps



AODD Pumps



API 610 & 685 Pumps



Base-Mounted Pump Sets



Booster Packages



Chemical Process High-Temperature Metallic Centrifugal Pumps



Chopper Pumps



Disc Pumps



Drum Pumps



FRP Pumps



High Pressure Diaphragm Pumps



High-Flow High-Pressure Diaphragm Pumps



High Pressure Piston Pumps



Hydraulic Diaphragm Pumps



Hydraulic Mixing Pumps



Pumps

Mag Drive Sealless Pumps



Metering & Dosing Packaged Systems



Metering Pumps



Packaged Pump Stations



Peristaltic Tube & Hose Pumps



Priming Assisted Pumps



Progressive Cavity Pumps



Rotary Gear Pumps



Sealless Diaphragm Pumps



Self-Priming Solids Handling Pumps



Sliding Vane Pumps



Solids Handling Pumps



Split Case & Vertical Turbine Pumps



Submersible Pumps



Submersible Pump Stations



Filtration Equipment, Air Dryers & Heat Exchangers

Air Intake Filters



Bag Filters



Cartridge Filters & Capsules



Centrifugal & Cyclone Separators



Coalescer Element Style Gas and Liquid Separators



Cyclone Style Gas & Liquid Separators and Exhaust Heads



Degassing Systems



Filter Vessels



Multi-Media Filter Vessel and System Fabrication



Oil Mist Eliminators



Self-Cleaning Filtration



Strainers



Water & Wastewater Treatment Systems



Compressed Air Purification Systems



Heat Exchangers



Valves & Valve Automation

Actuators
Pneumatic, Electric
and Pneumatic Vane



Ball Valves



Butterfly Valves



Check Valves



Diaphragm Valves



Direct Steam Injection
Hydro-heaters



Gate & Globe Valves



Relief Valves



Solenoid Valves



Valve Automation



Valve Controls



Valves for Severe Service



Download our Valves &
Valve Automation Line Card

Spray Products and Instrumentation

Spray Assemblies, Manifolds and Pumps



Spray Nozzles, Lances and Quills



Tank Cleaning Devices



Trim Nozzle Machines



Portable Ventilators



Instrumentation



Proven Solutions Provider

Our team of application experts here at John Brooks have extensive experience in finding the best solutions to fit the needs and requirements of our customers.

No matter how challenging your application is – if you have a fluid handling problem, our experts are ready to assist you in choosing the right product and developing a solution that will improve safety, increase efficiency, and lower costs.

To check out more details about the fluid handling challenges we face and how we overcome them, have a look at our Case Studies!

[Explore Our Case Studies](#)

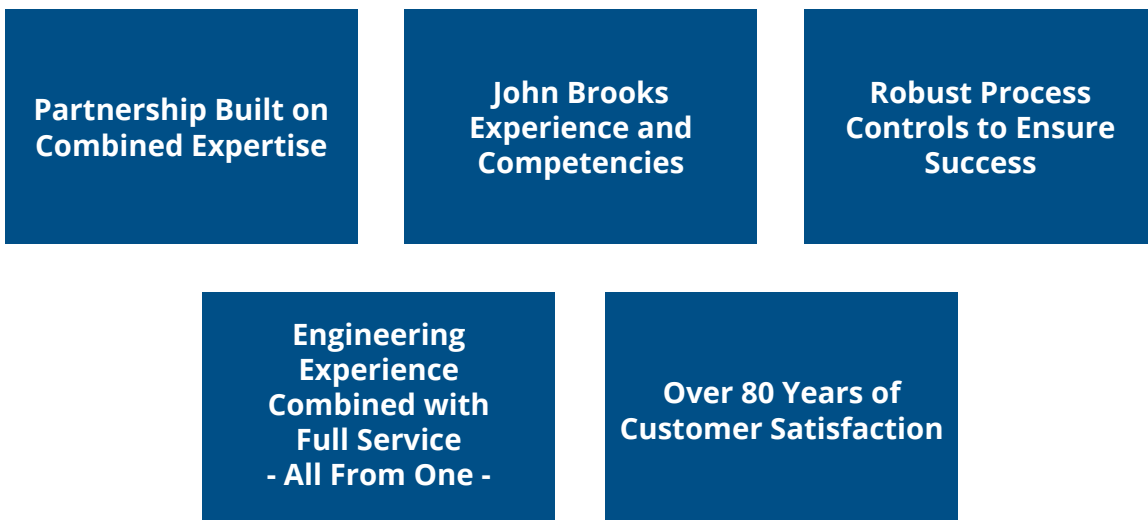


Why Partner with John Brooks Company for Engineered Solutions?

We are your project partner from concept to commissioning to aftermarket support. Product and service quality is paramount to the success of your business and is our top priority during the complete life-cycle of your project. This is all done under one roof through the collaboration of our experienced engineering staff; application specialists; sales, commission, and service teams; and state-of-the-art fluid handling products.

What We Have to Offer:

- ▶ Focused Project Management
- ▶ Testing & Documentation
- ▶ Dedicated Engineering Capabilities
- ▶ Experience with Custom & Pre-Engineered Project Solutions
- ▶ Quality Manufacturing, Fabrication and Assembly
- ▶ World-Class Technology and Products
- ▶ Aftermarket Support





Focused Project Management

Since 1938, John Brooks Company Limited has provided stakeholders with solutions fit for purpose, whether selecting the right equipment for the job or meeting compliance standards. At the heart of every solution is the company's Custom Solutions Team (CST), which concerns every aspect of a project.

Your CST works directly with EPC and end-users to identify your project requirements. Together, we identify process essentials, including technical, commercial, and site-specific issues, to devise and propose ideal solutions.

Your team acts as a single focal point where coordination between the consultant, engineering, suppliers, manufacturing, sales, and you all come together. In doing so, your team coordinates all the technical and commercial elements of the project, including effective communication, custom documentation, and quality assurance.

Additionally, your team's integrated project management includes a compliance process based on PMI standards. John Brooks Company's Customer Solutions Team service aims to propose innovative solutions and execute and communicate the process to all stakeholders properly.

To that end, John Brooks Company offers Gantt charts to show how it plans to execute all project phases – from purchase order to commissioning and training.



Next Step

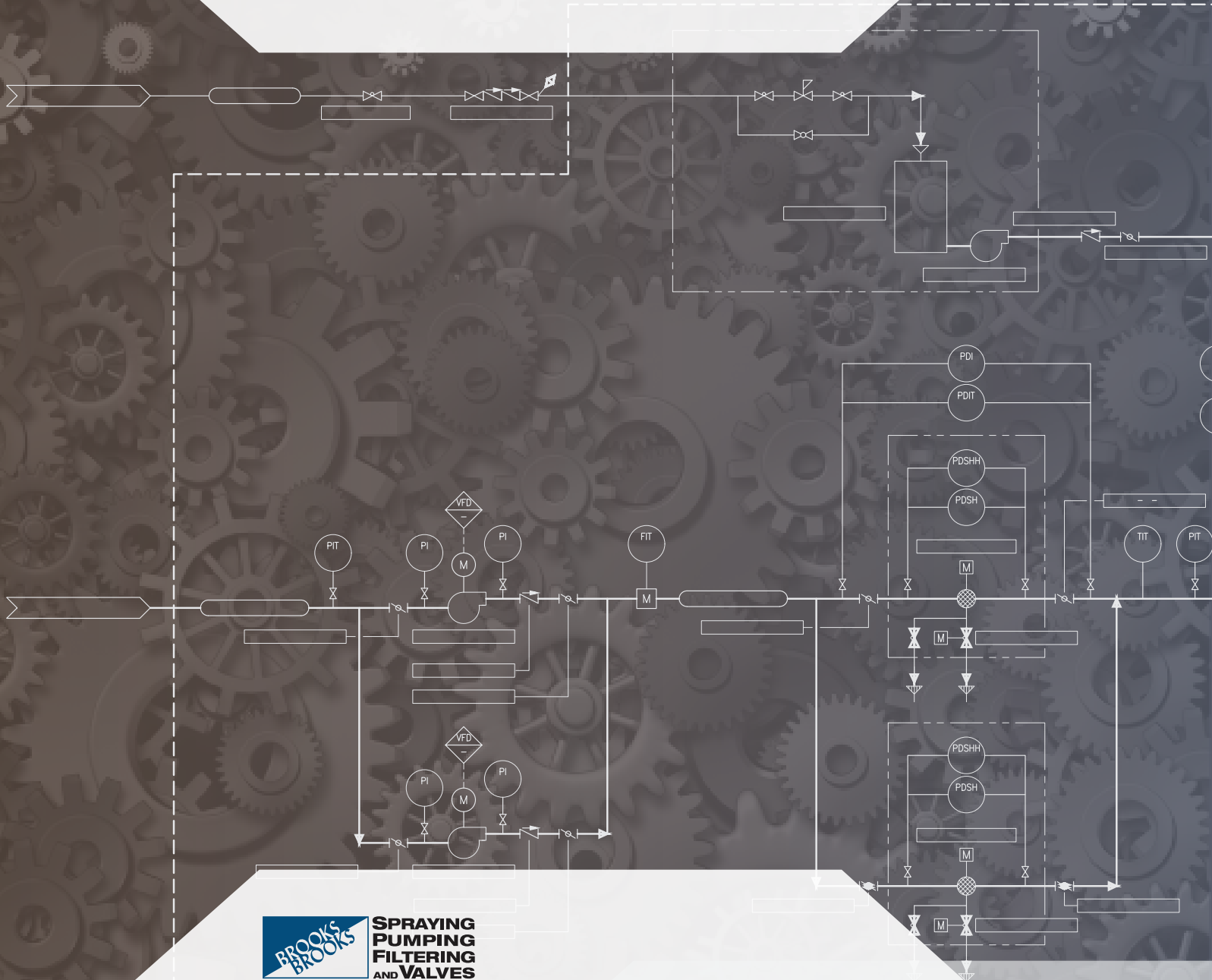
When you choose John Brooks Company for your next project, you can be sure that you have a reliable team of experts you can trust to provide the innovative solution you need.

We will support you from conception to completion on large projects with substantial complexity and small projects requiring cost-effective solutions. Our team will handle all aspects of your fluid handling projects, and we would be honoured to assist you in complementing the engineering efforts of your next project.

[Contact Our Engineering Solutions Team](#)



No Challenge Too Big No Detail Too Small



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Canada-wide Locations Call Toll Free
1-877-624-5757 for the Office Nearest You.



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