

 **JOHN BROOKS**

# Pumps



Pump • Spray • Valve • Filtration

[johnbrooks.ca](http://johnbrooks.ca)

# Pump Solutions, Designed for Performance

From transfer to metering to complex process demands, John Brooks supplies pumping solutions engineered for reliability, efficiency, and long-term performance.

## What it means for our partners:

Expertise across pump technologies and applications.

Engineered solutions for complex process requirements.

Lifecycle support from specification to maintenance and commissioning.

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

1-877-624-5757 • [industrialsales@johnbrooks.ca](mailto: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 pumping solutions. Our team works upstream to understand operating conditions, flow requirements, and system demands before recommending the right pump technology.

By combining deep application expertise, trusted pump technologies, and long-term post-sale support, we deliver reliable pumping solutions that support efficiency, uptime, and long-term performance.

**Application Expertise. Trusted Technologies. Long-term Performance**

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 Pumps

# Positive Displacement

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## Applications

Washdown & sanitation  
Chemical injection  
Seal & gland flushing  
Chemical processing

# Hydraulically Actuated Diaphragm – Process



## Features and Benefits

- Sealless operation
- Accepts up to 500 PSI suction pressure
- Small footprint
- Available for a wide range of fluids, low to medium viscosities
- Can pump fine abrasive slurries
- Linear flow: speed ratio
- Runs dry without damage
- Smooth flow pattern (minimal pulsation)
- Some models API674 compliant

Up to 330 GPM Up to 5000 PSI



## Applications

Intermittent transfer  
Unloading/loading  
Injection & process  
Utility pump  
Sumps/pits  
Waste transfer  
Sanitary & food processing

# Air and Electric Mechanical Diaphragm - Process



## Features and Benefits

- Options for air or electric driven
- Air - ATEX Certified and CSA for natural gas drive available
- Self priming/submersible/pressure fed options
- Solids handling up to 2.75"
- Suitable for a wide range of viscosities and aggressive fluids
- Portable
- Simple controls

Up to 360 GPM Up to 250 PSI



## Applications

Transfer or injection of clean lubricating fluids  
Point of use lubrication  
Transfer or injection of very thick fluids

# Rotary Gear



## Features and Benefits

- Dimensionally interchangeable with other OEM Brands
- Viscosities to 1,000,000 cP
- Cast Iron, Ductile Iron, 316SS
- Multiple mechanical seal options including double & tandem
- Minimal piping changes to install
- Low maintenance requirements
- Energy efficient
- Some models API676 compliant

Up to 1200 GPM Up to 500 PSI



# Sealless Rotary Gear



## Features and Benefits

- Temperatures to 500o F
- 316SS, Alloy 20, Hastelloy C, PEEK
- Leak free sealless magnetic drive

Up to 500 GPM Up to 200 PSI



# Progressive Cavity



## Features and Benefits

- Handles extreme slurries up to 1,000,000 cP
- High efficiency
- Available in API676 configuration
- Extremely low shear
- Accurate dosing
- Excellent solids handling properties
- Auger and hopper designs for heavy solids or non flowing slurries

From 0.0044 GPM to 875 GPM Up to 720 PSI



# Sliding Vane - Sealed and Mag Drive



## Features and Benefits

- Can handle viscosities from less than 1 cP up to 4000 cP
- Can run dry and line strip
- Low NPSHr
- Maintains consistent flow despite changes in suction/discharge pressures
- Handles gas and vapour content well
- Available in a number of materials and configurations
- Can handle suspended solids
- Excellent self primer
- Low to medium viscosities

Flows to 2000 GPM Pressures to 250 PSI



## Applications

Chemical injection operation  
Transfer of dangerous or expensive product  
Environmentally sensitive fluids

## Applications

Transfer of non flowing slurries  
Transfer of extreme viscosities  
Dewatered cake transfer  
Transfer of abrasive lubricating slurries  
Transfer of shear sensitive product

## Applications

Process injection or transfer of light fluids  
Loading & unloading operations

## Applications

Metering & dosing - municipal

Metering & dosing - process

Metering & dosing - sanitary

API675 & NACE requirements

## Metering and Dosing

PULSAFEEDER

WANNER

SEEPEX.

VERDERFLEX

Neptune

IR Ingersoll Rand

### Features and Benefits

- Extreme accuracies - can meet or exceed API675 requirements
- Sealless operation
- Accepts up to 500 PSI suction pressure - Wanner
- Point of use control
- High accuracy dosing
- Small footprint
- Available for a wide range of fluids
- Linear flow: speed ratio
- Runs dry without damage
- Manual stroke adjustment - Pulsafeeder/Neptune
- No risk of product contamination
- Ranging from single pumps to turnkey packages
- Low to medium viscosities

Flows as low as **0.0044 GPM** Pressures Up to **180 PSI**



## Applications

Food & high purity transfer

Filter press feed

Sludge & slurry transfer

Chemical dosing

Aggressive fluid transfers

High accuracy flow control

Waste processing

## Peristaltic

WANNER

VERDERFLEX

albin pump

### Features and Benefits

- Runs dry
- Excellent self priming capabilities
- Handles extreme slurries with very low abrasion wear
- Accurate dosing with simple onboard controls
- Leak free design - no dynamic seals
- Easy maintenance - only 1 primary spare part (hose)

Up to **396 GPM**



## Sanitary

Ampco Pumps Company

SANDPIPER

VERDERFLEX

GRACO

SEEPEX.

Packo Pumps

WILDEN

### Features and Benefits

- Handle up to 2.5" solids
- FDA compliant and approved models
- 3A and EHEDGE certified options
- Viscosities up to 2,000,000 cP
- Low shear pumping action to minimize product degradation
- CIPable
- Precise/constant flowrate

Up to **572 GPM** Up to **350 PSI**



## Lobe

VOGELSANG

IR Ingersoll Rand

### Features and Benefits

- Viscosities up to 4,400,000 cP
- Transfers solids laden or viscous slurries that challenge other technologies
- Smooth flow
- Energy efficient
- Solids handling
- Self priming

Up to **1900 GPM** Up to **450 PSI**



## High Pressure Piston (Reciprocating)

Pratissoli

### Features and Benefits

- Solid ceramic or tungsten-carbide plungers
- Nickel plated 420 stainless steel, or nickel plated
- Spheroidal cast iron pump heads
- Babbitt bushings on drive train components
- Self-lubricated leak free packing design

Up to **236 GPM** Up to **21,755 PSI**



## Applications

Transfer applications ranging from 24/7 process, to tote, bin, & drum unloading

Sanitary & high purity process blending & injection

Plant washdown systems

Transfer of delicate materials without damage

## Applications

Municipal waste

Industrial sludge

Oil slurry transfer

## Applications

Pressure trucks

Washdown

Hydro-excavation

Disposal

### Applications

Evacuates pails, totes, drums & bins with ease

## Drum/Piston



WILDEN

### Features and Benefits

- Intrinsically safe
- Viscosities to 1,000,000 cP
- Priming piston design for uniform & easily-controlled delivery
- Available with air or electric drive

Up to 40 GPM Up to 4750 PSI



### Applications

Bulk loading & unloading of viscous fluids

Sanitary food products

CIP systems

Tailings pond treatment

## Screw



### Features and Benefits

- Can handle multi phase products
- Smooth low shear pumping action
- Pulse free
- Excellent self-priming capabilities

Up to 11,007 GPM Up to 870 PSI



### Applications

Solids maceration

Slurry conditioning

Solids reduction

Pump & system protection

Packaged pump stations

## Macerators and Grinders



SEEPEX.

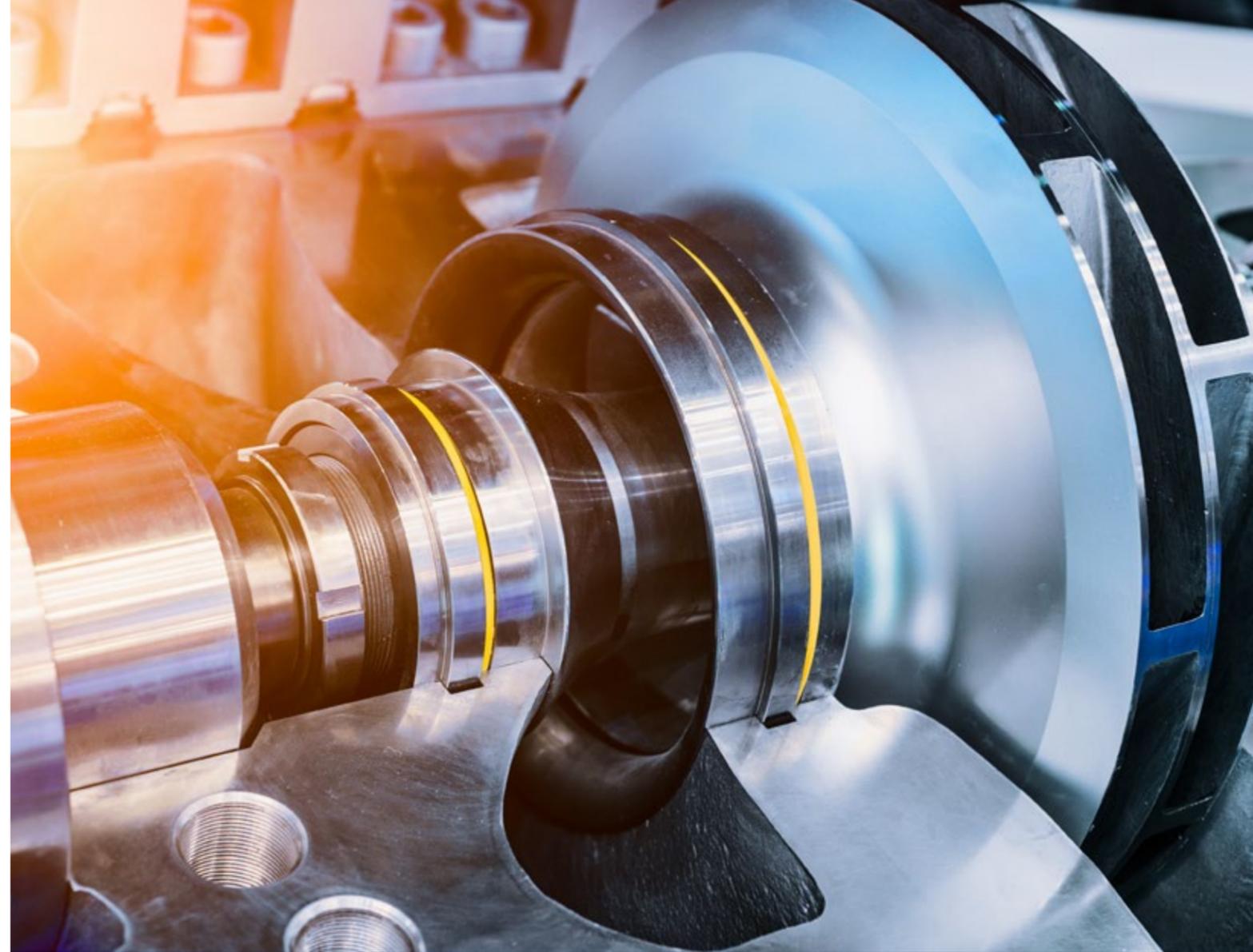
### Features and Benefits

- Patented, one-piece monolithic ripper rotor technology
- Easy on-site maintenance with simple cutter stack removal
- Industry-best warranty
- No high-maintenance center bearing or supports required
- Solids up to full carcasses

Up to 31,000 GPM



JOHN BROOKS



# Pumps

# Centrifugal

johnbrooks.ca

## Applications

Clean fluids  
 Solid laden fluids  
 Sump dewatering  
 Industrial waste transfer  
 Lift stations  
 Basin drainage  
 Collection systems  
 Tank unloading  
 Process water transfer

# Self Priming/Solids Handling



## Features and Benefits

- High and dry installation reducing the need for confined space entry.
- Lightweight inspection cover for impeller access.
- Ease of access.
- Reduced maintenance cost/increased productivity.
- Automatic reprime.
- No foot valves to unclog or maintain.
- Available in a variety of metallurgies.

Up to **6000 GPM** Up to **300 ft**



## Applications

Solids laden fluid  
 Waste transfer  
 Paper stock  
 WAS/RAS  
 Low viscosity sludge transfer  
 Fluming  
 Vegetable transfer

# Solids Handling



## Features and Benefits

- Semi-open, recessed and screw type impellers available.
- Available in a variety of metallurgies.
- Handle up to 4" solids.
- Moving solids with minimal damage.

Up to **15000 GPM** Up to **530 ft**



## Applications

Clean fluids  
 Solid laden fluids  
 High temp sumps  
 Mixing  
 Sump dewatering  
 Industrial waste transfer  
 Lift stations  
 Sump or pit drainage

# Submersible



## Features and Benefits

- Guiderails and base elbows available.
- Semi-open, recessed and chopper type impellers available.
- External clearance adjustments on many models.

Up to **10,000 GPM** Up to **190 ft**



# Portable Packages



## Features and Benefits

- Electric or engine driven packages.
- Self-priming and vacuum assisted designs.
- Silent enclosures for sound sensitive locations available.
- DOT approved trailers an option.
- Run dry capable (vacuum assisted only).

Up to **15000 GPM** Up to **530 ft**



# Process & ANSI



## Features and Benefits

- Materials of construction options DI, 316SS, CD4MCu, Alloy 20, Hastelloy C, Kynar and FRP.
- Pumps and parts interchangeable with most other OEM brands.

Up to **6000 GPM** Up to **730 ft**



# Mag Drive Sealless



## Features and Benefits

- Temperatures to 250F, SG's over 1.8 capable.
- ANSI dimensions available.
- Polypropylene, PVDF and ETFE materials available.
- Removes the need for expensive mechanical seals and reduces spills.

Up to **1500 GPM** Up to **500 ft**



## Applications

Lagoon and pond by-pass  
 Dewatering

## Applications

Chemical processing  
 Pulp & paper  
 Oil & gas  
 Food & beverage  
 Chemical transfer and handling  
 Clean in place (CIP return)

## Applications

Hazardous fluid transfer  
 Bulk loading/unloading  
 Chemical processing

## Applications

Solids reduction  
Resolve clogging issues  
Condition wetwells and tanks  
Hydraulic mixing

# Chopper

Unscreened Solids  
**Vaughan**

### Features and Benefits

- Hardened cutting components to Rockwell 60C.
- External clearance adjustments for optimal cutting.
- Multiple cutting locations optimize solids reduction and prevent clogging.
- Available with recirculator to agitate and condition the wet well.
- Handle and chop unscreened waste without clogging.

Up to **12000 GPM** Up to **300 ft**



## Applications

Slurries upto 80% solids  
High viscosity fluids  
High abrasive fluids

# Disc

**DISCFLO™**  
PUMPS

### Features and Benefits

- Innovative discpac technology with no close tolerances.
- Handle fluid viscosities over 10,000 cPs.
- Handle high solids, abrasive and air entrained fluids.
- Low shear.

Up to **8000 GPM** Up to **1200 ft**



## Applications

Water booster  
Chemical transfer  
Machine coolants  
General fluid transfer  
Ligh duty applications  
NSF potable water  
Tank to tank transfer  
Cooling loop (coolant)

# General Purpose

**SUMMIT**  
PUMP

**PRICE PUMP**

**GOULDS**  
WATER TECHNOLOGY  
a xylem brand

### Features and Benefits

- Materials of construction options Cl, 316SS, Hastelloy C, Bronze, Various polymers.
- Various drive and mount configurations close-coupled or base mount to vertical or horizontal.

Up to **5000 GPM** Up to **800 ft**



# Sanitary

Ampco Pumps  
Company

**Packo**  
Pumps

### Features and Benefits

- Handle up to 8" solids.
- FDA compliant and approved models.
- 3A and EHEDGE certified options.
- Wetted components electropolished.

Up to **8000 GPM** Up to **700 ft**



# Split Case & Vertical Turbine

**xylem** **NATIONAL PUMP COMPANY**

### Features and Benefits

- Sizes up to 32" discharge.
- API 610 available (VTP only)

Up to **60000 GPM** Up to **3000 ft**



## Applications

Beverage  
Cosmetics  
Pharmaceutical  
Water treatment  
Dairy  
Hot frying oil  
Powder mixing and blending  
Clean In place processes  
Air handling fluids

## Applications

Water distribution  
Cooling water systems  
Raw water intake  
Deep well  
Feed water plant  
Cooling water

# Pump Packages

Partnering with John Brooks means your packaged system is designed, assembled and supported by a team that understands how to keep your operations flowing.

Whether you need a straightforward pumpset or a fully engineered municipal or industrial solution, we bring the technical expertise, trusted products and project support needed to take your system from concept to commissioning with confidence.

## Base-Mounted Pumpsets

A straightforward, reliable way to get a pump package built to your requirements. We take proven pump and motor combinations, and mount them on fabricated bases that are ready for installation.

## Pump Stations

Fully designed, sourced and factory-tested pump stations from leading OEMs. These packages offer consistent performance and simplified commissioning, offering a dependable, ready-to-run system.

## Booster and High-Pressure Wash Packages

Turnkey packages that deliver dependable pressure whether your looking to boost water pressure or wash down your facility. These packages can be supplied with controls, valves and washdown accessories, and arrive ready to integrate.

## Metering & Dosing Packaged Systems

Precision-built systems designed for highly specified metering and dosing applications. These packages incorporate the right pumps, components and testing to meet strict performance requirements.

## Custom Engineered Packages

For projects with unique or challenging requirements, our in-house engineering team designs complete, integrated systems tailored to your process. We coordinate pumps, controls, piping and instrumentation across multiple suppliers to deliver a cohesive, fully supported solution.

# 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.

## 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.

## Valves

Without properly engineered valves, even the best systems fall short. We help complete your fluid handling ecosystem with the right valves, controls, and automation. Our team selects and integrates fit for purpose solutions that deliver reliable, efficient performance.

### What we offer:

- Comprehensive valve portfolio including automated and manual valves, full assembly and testing in-house.
- Our own fabrication facility supports custom skids and assemblies, giving you a streamlined solution.
- Ideal for flow regulation, safety shut-off, control logic, municipal and industrial systems.
- We manage everything: valves, controls, integration, service.

## 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.



