

# OPTI-MAXX DOSING & METERING PACKAGED SYSTEMS

Standard and Custom Engineered Systems  
for Industrial and Municipal Applications



## OPTI-MAXX Standard or Custom Metering and Dosing Systems

Whether you require a complete Pre-Engineered Standard Metering and Dosing System or a Customized Metering and Dosing System, or you are looking for the components to build one yourself - John Brooks Company has the solution for you.

With John Brooks Company, you get a full-service partner who can support all phases of your project from Pre-Engineering, Construction, and Commissioning through to On-Going Operations & Maintenance.

You will have access to a broad selection of high quality, reliable and durable pumps, components and accessories, from well-known and well-respected global manufacturers and a Company who will work with you to ensure that the most appropriate and most cost-effective, product solution is chosen for your specific applications.

### Applications Include:

- Acids
- Alum
- Boiler & Cooling Water Additives
- Caustic
- Chelants
- CIP & Cleaning Chemicals; Foamers; Sanitizers; Enzymes
- Coatings
- Defoamers
- Dispersants
- Dyes
- Ferric Chloride
- Hydrogen Peroxide
- Methanol
- Phosphates
- Pigments
- Polymers
- Sodium Hypochlorite
- Specialty Chemicals
- Starches

**Call 1-877-624-5757 for a systems expert who will assist you with any of your application requirements.**



Custom Additive System in Stainless Steel



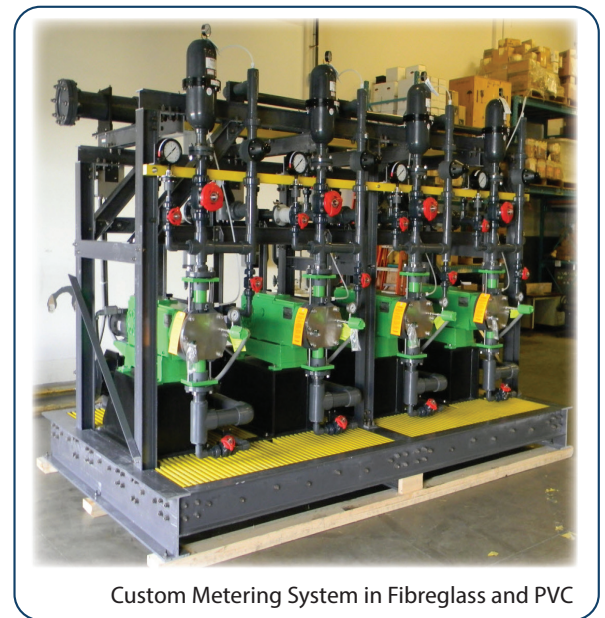
Metering Pump Skid with Makedown Tanks

# OPTI-MAXX DOSING & METERING SYSTEMS SAVE MONEY & IMPROVE PRODUCTIVITY

When individual components for your liquid metering applications aren't enough, the OPTI-MAXX Complete System can reduce cost, streamline documentation, eliminate construction delays and reduce start-up constraints.

## Advantages of the OPTI-MAXX Standard or Custom System Include:

- ➊ A single source supplier with extensive product knowledge and application experience who designs, assembles, and tests your system in-house and takes responsibility for the entire package.
- ➋ Utilization of the latest in Digital Communication Protocols – allows for ease of integration with new and existing Plant PLC/DCS.
- ➌ A wide range of metering and dosing pumps that meet or exceed API 674, 675 and 676 specifications.
- ➍ Piping and frames available in 316SS, Alloy 20, Carbon Steel, PVC, CPVC, PVDF or HDPE
- ➎ Certified ABSA and TSSA piping systems welded to ASME B31.1 and B31.3
- ➏ Skid construction can be designed to CSA, ASME B31.1/B31.3, API codes and requirements.
- ➐ Commissioning, Start-Up Service and Operator Training are available on all systems.
- ➑ Your Metering & Dosing System arrives assembled. Installation and start-up are simple - just three field connections are required. Simply provide power & any signals to the system and complete the suction and discharge connections.
- ➒ Systems are designed and built so that you have easy access to all components for efficient routine maintenance.
- ➓ The simplicity of a skid-mounted design allows your system to be mounted in a variety of locations and where limited space is a concern.
- ➔ Mounting Options include Wall or Floor Mounted with a variety of pump configurations and materials of construction available.



Standard Design - Stainless Steel



Standard Design - PC Pumps



Standard Design - Gear Pumps



Hypochlorite Metering Panel

# OPTI-MAXX DOSING & METERING SYSTEMS SAVE MONEY & IMPROVE PRODUCTIVITY

## Save Money & Improve Productivity with an OPTI-MAXX System

- Lower Chemical Usage
- Increase Efficiency
- Lower Operating Costs
- Improved Product Quality
- Improve Safety
- Improve Reliability

Call 1-877-624-5757 for a systems expert who will assist you with any of your application requirements.



Custom Simplex Metering Skid



Standard Design - Diaphragm Pump



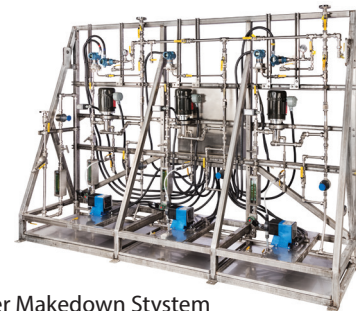
Custom Duplex Metering Skid

## Polymer Makedown Systems for Bulk Dry and Neat Liquid

The innovative DFC Series features one of the most efficient wetting systems available. PLC and operator interface are used to provide automatic control and monitoring.

### Specifications

- One Makedown System for both BULK DRY and NEAT LIQUID Polymer Solution Preparation
- Feed Rates to 5,000 lbs/day
- Less than 1% Concentrations
- Elimination of "Fish-Eyes" with Dust-Free Wetting
- Rugged Stainless Steel Tank Construction
- Robust, Simple and Versatile with PLC Controls
- PEO, Cationic, Anionic Polymers with Same System
- Variable Speed Mixer Options



Polymer Makedown System



Liquid Polymer Makedown



Dry Polymer Makedown

# PUMPS FROM JOHN BROOKS COMPANY - THE HEART OF YOUR SYSTEM

Metering & Dosing Pumps are typically positive displacement chemical or additive pumps with the ability to vary capacity manually or automatically as process conditions require.

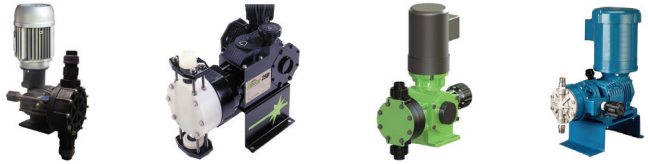
They feature a high level of repetitive accuracy and are capable of pumping a wide range of chemicals & additives, including acids, bases, corrosives or viscous liquids and slurries.

Metering pumps are generally used where one or more of the following conditions occur:

- Low Flow Rates are typical (i.e. gph, gpd, lph, lpd, ml/min)
- High System Pressures exist
- High Repeatable & Accurate Feed Rates are required
- Dosing is Controlled by Computer, Microprocessor, DCS, PLC, or Flow Proportioning Device
- Corrosive, hazardous, or high temperature fluids are used
- Viscous fluids or slurries need to be pumped accurately

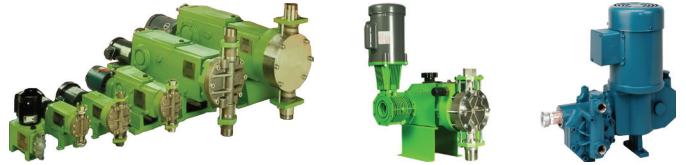
John Brooks Metering Pump Selection includes a wide variety of high-quality pumps from trusted manufacturers. Call **1-877-624-5757** and let the team at John Brooks Company assist you in selecting the best model for your application.

## Diaphragm Pumps - Motor Driven Mechanically Actuated



**PULSAFEEDER** **PULSAFEEDER** **ENGINEERED PRODUCTS** **Neptune**

## Diaphragm Pumps - Motor Driven Hydraulically Actuated



**PULSAFEEDER** **ENGINEERED PRODUCTS** **Neptune**

## Gear Pumps



**TUTHILL Pump Group** **PULSAFEEDER** **ENGINEERED PRODUCTS**

## Pulseless, Sealless Diaphragm Metering Pumps



**Hydra-Cell**  
METERING SOLUTIONS

## Peristaltic Pumps



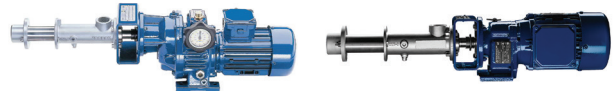
**albin pump**  
since 1928

## Diaphragm Pumps - Solenoid Driven Electromechanically Actuated



**PULSAFEEDER**

## Progressive Cavity Pumps



**SEEPEX.**  
ALL THINGS FLOW