

Blue-White®

PRECISION CHEMICAL METERING FOR OVER 60 YEARS

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DIAMOND SPONSOR

ProSeries-M® MD-3

HYBRID DIAPHRAGM METERING PUMP



**Now
Shipping!**

NSF

Standard 61

NEMA 4X
WASH DOWN

DFD system
Diaphragm Failure Detection

CE

ETL
Intertek

PRECISION CHEMICAL METERING FOR THE TREATMENT OF MUNICIPAL WATER & WASTEWATER

MD-3 DELIVERS A NEW LEVEL OF PERFORMANCE AND FUNCTION IN CHEMICAL METERING

MD-3 HIGHLIGHTS

- The best turndown in the industry at 2000:1.
- Flow rate: .03–57 GPH (.11–216 LPH). Maximum working pressure: 145 psig (10 bar).
- Smooth chemical dosing, no pulsation dampener needed.
- A single model number will handle all your needs.
- Equipped with Blue-White's exclusive DiaFlex® diaphragms.
- Multiple U.S. and International patents pending.

www.blue-white.com | www.proseries-m.com

ProSeries-M[®] MC-2 MC-3

|||CHEM-PRO[®] M

**DIAPHRAGM
CHEMICAL
METERING
PUMPS**



IP66

**NEMA 4X
WASH DOWN**

NSF

Standard 61

CE  Intertek

— PRECISION CHEMICAL METERING —

BLUE-WHITE'S CHEM-PRO[®] MC-2 AND MC-3 Diaphragm Chemical Metering Pumps, are specifically designed to meet the rigorous demands of municipal water and wastewater treatment applications.

Some additional Chem-Pro[®] M features and benefits include: A remote Start/Stop function; feed rate resolution from 1% to 0.1%; and a rugged Variable Speed Drive.

PRECISE CHEMICAL METERING EVEN AT HIGH PRESSURES

MC-2 & MC-3 HIGHLIGHTS

- Feed rates to 40GPH (153 LPH).
- System pressures to 175 PSI (12 bar).
- Diaphragm Failure Detection.
- PVDF/Ceramic head components.
- Quiet variable speed motor.
- Full stroke every time avoids vapor lock.
- NEMA 4X (IP 66) Washdown.
- 3 Year Warranty.

EXCLUSIVE

DiaFlex[®]
Diaphragm Technology

The Chem-Pro[®] M pumps are fitted with Blue-White's exclusive DiaFlex[®] single layer PVDF diaphragm. Manufactured 100% in-house, this single piece, longer lasting diaphragm design does not consist of multiple layers like traditional diaphragms. DiaFlex[®] exhibits zero breakdown or delamination, reducing field maintenance and downtime. The exclusive, efficient, patent pending design is available in four sizes, including the Micro-Feed diaphragm. Manufactured 100% in-house exclusively for use on Chem-Pro[®] Diaphragm Metering Pumps.

www.blue-white.com | www.proseries-m.com

ProSeries-M[®] M-2 M-3 M-4

PERISTALTIC METERING PUMPS



Multi-Tube Technology

HEAVY-DUTY PERISTALTIC PUMP TUBING

Multi-Tube is a multichannel pump tube assembly designed by Blue-White[®] exclusively for ProSeries-M[®] and Flex-Pro[®] Peristaltic Metering Pumps. Multi-Tubes are engineered for optimum performance, including up to four times longer service life than other pump tube assemblies.

IP66



— PRECISION CHEMICAL METERING —

PROSERIES-M[®] METERING PUMPS are well suited to pumping a wide range of the aggressive and viscous chemicals used in water and wastewater treatment. The operator simply changes the pump tube assembly to the appropriate material for the chemical to be injected. This permits standardization to a single pump model for several different chemical applications.

DESIGNED FOR SMALL TO HIGH VOLUME WATER AND WASTEWATER TREATMENT SYSTEMS

M-2, M-3 & M-4 HIGHLIGHTS

- Gentle, quiet and smooth efficient pumping action.
- Peristaltic pump design does not have valves that can clog and require maintenance procedures.
- Self priming – even against maximum line pressure. By-pass valves are not required.
- Cannot vapor lock or lose prime.
- Exclusive, Patented Peristaltic Pump Safety Switch – For operator safety, the pump only operates in maintenance mode while the front cover is removed.
- Patented Tube Failure Detection (TFD) system.
- Flow Verification Sensor (FVS) ready.
- Multiple signal inputs and outputs (4-20mA, etc.).
- Exclusive patented features and multiple patents pending.
- Pressures to 125 PSI (8.6 bar).
- DC motor.
- Revolution count display & alarm.
- 5 Year Comprehensive Warranty.
- Three models with flow ranges from .0002–158.5 GPH (.0007–600 LPH).

ProSeries®

S1

S2

S3

SONIC-PRO®

HYBRID ULTRASONIC FLOWMETERS



PRECISION — FLOW — MONITORING

IP66

NEMA 4X
WASH/DOWN



SONIC-PRO® HYBRID ULTRASONIC

FLOWMETERS can be used in Doppler or Transit Time operation modes. Sonic-Pro® will measure the flow of virtually any fluid in which sound waves can travel.

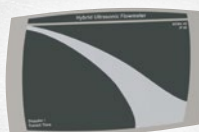
Because the ultrasonic sound transducers are clamped to the outside of the pipe wall, the Sonic-Pro® can measure flow in both clean and dirty fluids. In addition, because the meter does not come in contact with the fluid being measured, Sonic-Pro® is well suited for use in applications where harsh chemicals and other abrasive fluids are being used.

The meter can be equipped with a communications package for PC remote access allowing for program editing and downloading of data logs. Additionally, a relay package is available for process control and alarm functions.



AVAILABLE DISPLAY OPTIONS

- S1** No local display. Factory configured for one application. Communication package required to access configuration menu and data log.
- S2** High quality 320 x 240 pixel QVGA backlit LCD display. Two button interface, allows user access to clear accumulated total and swap rate and total display fonts. Communication package required to access configuration menu.
- S3** High quality 320 x 240 pixel QVGA backlit LCD display. Five button, fully configurable, tactile switch keypad interface. Security: master and configuration passwords.



PRECISION CHEMICAL METERING & FLOW MONITORING FOR OVER 60 YEARS

Blue-White®

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