

DESCRIPTION

The DREW GMXA Metering Systems accurately dose with minimal manual operation. The operation is based on an external control parameter or timed sequences, which can be planned up to seven days in advance. The system is designed for metering select marine chemical treatment products to pressures of up to 16 bar. It utilizes a microprocess or controlled, solenoid-driven diaphragm metering pumps. The metering pump's integrated, sensor-free pressure measurement system auto compensates programmed feed rates during backpressure fluctuations. This feature immediately and optimally matches the output to the pressure conditions and properties of the liquid medium while protecting the pump and piping systems from overload situations.

Each system consists of a tank and steel frame that enables safe mounting to a metal deck, a pump mounted on the tank, and a fitting kit necessary for suction and discharge. A sensor is provided to alert the user of low chemical levels. Additional electrical connections are provided on the pump to allow for integration into the vessel's existing boiler or engine room control and alarm panel.

The pump selected is dependent on the marine application. Recommendations listed below are based on chemical compatibility and the pressures and flow rates required for treating typical shipboard systems. The DREW GMXA Metering System automatically sets optimal speed and stroke based on the flowrate settings. For specific applications not listed or for more information, contact your local Drew Marine representative.

APPLICATION & USE

GMXA Metering System 1604: Cooling Water Treatment

- AMERSPERSE® 280 seawater cooling treatment.
- DREWSPERSE® SWD seawater dispersant

GMXA Metering System 1604 or 0424: Boiler Water, Fuel Oil, and Additional Cooling Water Treatments

Contact your local Drew Marine representative for more information and specific applications.



GMXA Metering System

SPECIFICATIONS

Operating Temperature: -10°C to 45°C (14°F to 113°F) Degree
of Protection: IP65

Power Supply: 100-230 VAC/50-60 Hz, 25/30W

Tank Capacity: 60 liters (15.85 gallons)

Tubing: 10 meters (32.8 feet),
flexible ½" PE

PUMP CAPACITY

Model	Maximum Pressure	Flow Rate	PCN
GMXA 1604 PVT	16 Bar (232 psig)	3.6L/h (0.95) gph	1AB5496
GMXA 0424 PVT	04 Bar (58 psig)	24L/h (6.34 gph)	1AB5497

Flow rates will vary slightly depending on the pressure at the injection point. Higher viscosity fluids will reduce capacity. Higher specific gravity fluids will reduce suction lift. Positive suction recommended.



Contact your Drew Marine representative for more information

ORDERING INFORMATION

Product	PCN
GMXA Metering System 1604 PVT	1AB5494
GMXA Metering System 0424 PVT	1AB5495
Spare Pumps/Kits	
Pump, GMXA 1604	1AB5496
Pump, GMXA 0424	1AB5497
Spares Kit, GMXA 1604 PVT	1AB5498
Spares Kit, GMXA 0424 PVT	1AB5499
Accessories	
METERING PLUG UA, 2M EU	1AB6257
METERING PLUG UU, 2M US	1AB6258
METERING PLUG U1, 2M OPEN	1AB6259



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