

DESCRIPTION

The DREW Beta Metering Systems are designed to accurately dose selected marine chemical treatment products to pressures of up to 16 bar utilizing solenoid driven diaphragm metering pumps. Its efficient design, reliability, and accuracy are proven for the rugged shipboard environment and the chemical industry worldwide making it easy to support and maintain.

Each system consists of a tank and steel frame for 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. For specific applications not listed or for more information, contact your local Drew Marine representative.

APPLICATIONS

Evaporator Treatment: Beta 1605

- AMEROYAL® evaporator treatment
- AMEROYAL CF concentrated evaporator treatment
- AMEROYAL CF/HG concentrated evaporator treatment

Boiler Water Treatment: Beta 1605

- AGK®-100 boiler and feedwater treatment
- AMERZINE® corrosion inhibitor
- CATALYZED SULFITE™ corrosion inhibitor
- DREWPLEX® AT boiler water treatment
- DREWPLEX OX corrosion inhibitor
- SLCC-A™ condensate corrosion inhibitor

Cooling Water Treatment: Beta 0420

- AMERSPERSE® 280 seawater cooling treatment
- CIL™ corrosion inhibitor• DEWT® NC diesel engine water treatment
- DREWGARD® CWT diesel engine cooling water treatment
- DREWSPERSE® SWD seawater dispersant
- LIQUIDEWT™ cooling water treatment• MAXIGARD® diesel engine water treatment



PCN 1AA8978 - DREW Beta 1605 Metering System
 PCN 1AA8979 - DREW Beta 0420 Metering System

Fuel Oil Treatment: Beta 1605 or Beta 0420

Will vary depending on dosing location pressure and flow rates required.

- AMERGIZE® deposit modifier/combustion improver
- AMERGY® 1000 combustion improver
- AMERGY 5000 combustion improver
- AMERGY XLS low-sulphur fuel oil conditioner

SPECIFICATIONS

For All

Power Supply	100-230 VAC/50-60 Hz 23W 0.8-0.3 A
Tank Capacity:	60 liters (15.85 gallons)
Tubing:	10 meters flexible ½" PE

PUMPS

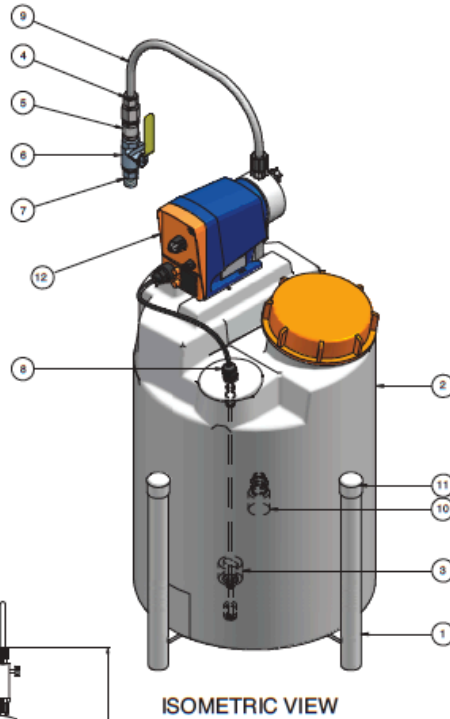
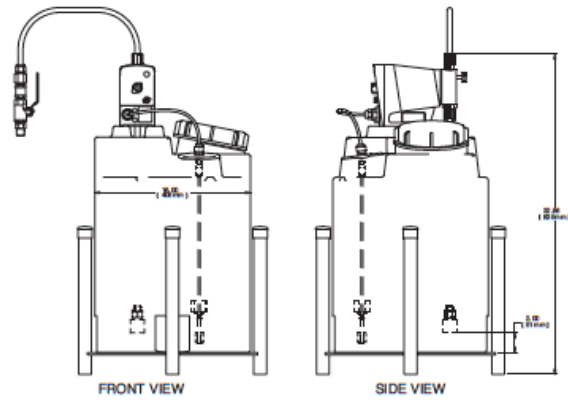
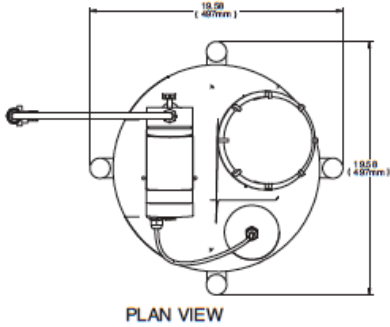
Pump	Beta 1605 Beta 0420
Medium Pressure	16 Bar (232 psig) 04 Bar (58 psig)
Flow Rate	5 L/h (1.3 GPH) 20 L/h (5.0 GPH)

Flow rates will vary slightly depending on the pressure.

 **Contact your Drew Marine representative for more information**

DWG No
7745833-200

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Drew Beta Metering System			
1605 - PCN 1AA8978 / 0420 - PCN 1AA8979			
#	PCN	Description	Qty
12	1AA8984	Pump, Beta 5 1605	1
	OR		
	1AA8985	Pump, Beta 5 0420	1
1	*(1AA9003)	Stand, Tank, CS	1
2	1AA9003	DREW Dosing Tank, 60 ltr/15 Gal, PE	1
3	1AA8988	Floatswitch, 2-stage, PVCC, with ceramic weight	1
4	*(1AA9001)	1/2" Tube x 1/2"FNPT Adapter	1
12	1AA9001	Fitting Kit - 1/2" Tube x 1/2"FNPT Adapter (#4) - 1/2" Check Valve, 1/2", MNPT, 316SS, 10PSI Cracking Pressure (#5) - Ball Valve, 1/2" 316SS, PTFE (#6) - Nipple, 1/2" x 2", 316SS, Hex, 6600 PSI (#7) - Tubing, 1/2" x 3/8, HDPE (10m/30 ft) (#9)	1
5	*(1AA9001)	Check Valve, 1/2", MNPT, 316SS, 10PSI Cracking Pressure	1
6	*(1AA9001)	Ball Valve, 1/2" 316SS, PTFE	1
7	*(1AA9001)	Nipple, 1/2" x 2", 316SS, Hex, 6600 PSI	
8	*(1AA8985)	Wire Fitting, PG 11, Black	
9	*(1AA9001)	Tubing, 1/2" x 3/8, HDPE (10m/30 ft)	1
10	1AA8989	Foot Valve, 12x9, PVT	1
11	*(1AA9003)	Cap, 1" Pipe, PVC, White	4
Pump Spares Kit			
not shown	1AA9004	Spares Kit, 1605 PVT	1
not shown	1AA9005	Spares Kit, 0420 PVT	1
not shown	*(1AA900x)	Diaphragm	1
not shown	*(1AA900x)	Suction Valve	1
not shown	*(1AA900x)	Discharge Valve	1
not shown	*(1AA900x)	Set of Seals, Valve Seats & Balls	1
not shown	*(1AA900x)	Connector Kit	1

PCN - When ordering spares, specify the PCN.

Indicates the spare part is not supplied separately.

* Indicates the spare part is included with the PCN indicated

NOTES:

1. ALL DIMENSIONS SHOWN ARE IN INCHES AND (MM) AND ARE SHOWN FOR REFERENCE ONLY.

2. DREW MARINE PART NUMBER: 1AA8979



Contact your Drew Marine representative for more information

Drew Marine maintains Safety Data Sheets on all of its products. These documents contain health and safety information for the development of appropriate product handling procedures to protect your employees. Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Drew Marine products.



Drew Marine®

**100 South Jefferson Road
Whippany, NJ 07981 USA
1-973-526-5700
Drew-Marine.com**

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