

MADDEN

MANUFACTURING, INC.

Simple, Rugged Quality

Diaphragm Metering Pumps for simple, rugged and accurate metering of acids, caustics, polymers, boiler chemicals and many other fluids, 24 hours a day, 365 days a year.

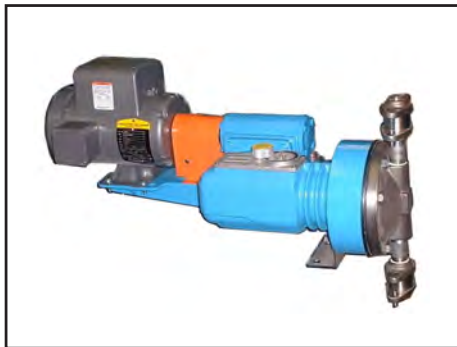
- Many metal, plastic and rubber materials available from stock.
- Adjustable flow, with manual knob or automatic controller, 10:1 turndown range.
- Precision steel and bronze worm gearing, continuously lubricated in an oil bath.

See Madden brochure No. P04 or our website at www.maddenmfg.com for complete details.



JN Series - 6 Models

- Output from 1 to 11 GPH
- Pressure to 250 psi.
- Simplex, Duplex, and Triplex models available.
- See any JN data sheet for details.



MH Series - 4 Models

- Output from 96 to 180 GPH
- Pressure to 150 psi.
- Simplex and Duplex models available

MF Series - 11 Models

- Output from 5 to 75 GPH with Simplex models
- Pressure to 300 psi.
- Simplex, Duplex and Multiplex models available



Chemical Feed Systems *(not shown)*

- Pre-engineered systems available from stock components
- Stainless steel or plastic tank
- Custom systems available to meet customer specifications
- Includes Madden metering pump, mixer, tank platform and suction piping
- Boiler water treatment chemicals, waste water chemicals, many other applications
- See brochure CF01 for details

Metering Pump Accessories:

Variable speed drives, back pressure valves, relief valves, pulsation dampeners, calibration columns and more.

Boiler System Equipment



Continuous Boiler Blowdown Heat Recovery Systems

- Recovers 90% of heat that may be lost from continuous top blowdown flow.
- Pays for itself in a matter of months.
- Compact and durable for years of tough service with minimal attention to repairs.
- Complete with drain valve, heat exchanger, flash tank relief valve and gauges.
- 3 different styles to choose from.
- 20 standard models from 1,200 to 50,000 PPH of blowdown flow.
- Hundreds in service, for over 50 years.
- See any Heat Recovery system data sheet for details.



Orifice Meter for Boiler Continuous Blowdown Flow Control

- Precise, repeatable flow control of hot, dirty top blowdown water.
- Two models, 250 psi and 650 psi.
- 17 different set points to control blowdown flow.
- Built-in strainer and flush valve.
- Stays accurate for a minimum of 10 years.
- Better control reduces chemical costs and improves water and steam quality.
- See any Orifice Meter data sheet for details.



Sample Coolers

- Cools hot condensate and blowdown water so chemical analysis and instrument monitoring can be done.
- Ten models, up to 5,000 psi coil rating.
- Copper and stainless steel coils.
- Durable, repairable.
- See any Sample Cooler data sheet for details.

Bottom Boiler Blowdown Flash Tanks, Separators and After Coolers

- Rugged equipment to cool intermittent boiler blowdown for discharge to sewer systems
- Enables operator to meet thermal discharge limits
- Standard systems for boilers up to 300 psi include flash separator, aftercooler, temperature gauge and temperature activated cooling water valve
- Custom engineered systems to customer's conditions or specification, see brochure BDS01

MADDEN Manufacturing, Inc.

P.O. Box 387 • Elkhart, Indiana 46515
Phone 574-295-4292 • 1-800-369-6233
Fax 574-295-7562
e-mail: info@maddenmfg.com

Sold By

Yates & Co., Inc.

1 Hollywood Ave - Unit 22
Ho-Ho-Kus, NJ 07423
info@yatesco.net - 201-345-3101

Website: www.maddenmfg.com