

DATASHEET

Economate Series

Brominator & Biocide Feeders



Economate Series

3" opening for "hockey puck" style tablets

Compact & economical low-cost design

See-through or solid body design

1" plumbing for high-flow systems

Optional 125LB Pressure relief valve

Sturdy bolt-down base



Overview

The Economate inline brominators are designed for use in commercial and industrial applications to provide disinfected or sanitized water commonly used in cooling towers and municipal pools. The brominators are available in white or clear CPVC suitable for use with **bromine (BDMH)** or **chlorine (trichlor)** tablets. Piping kits complete with valves and flow meters are also available.

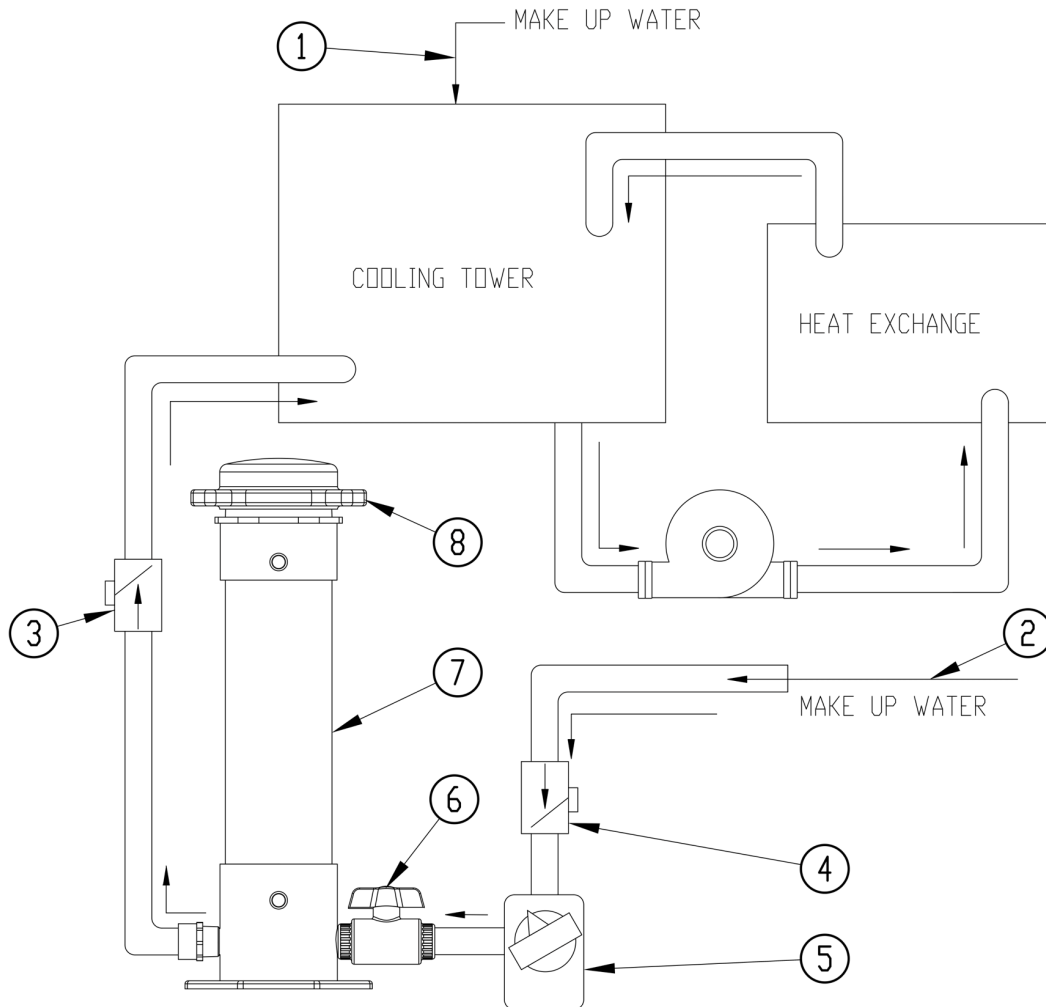


Specifications

MODEL	MATERIAL CAPACITY	COLOR	DIMENSIONS (H X W)	INLET DIAMETER	FLOW RANGE
Economate-5	5 lbs (2.2 kg)	Clear	23 in. x 10 in.	1 inch	1 inch
Economate-5W	5 lbs (2.2 kg)	White	23 in. x 10 in.	1 inch	1 inch
Economate-8	8 lbs (3.6 kg)	Clear	35 in. x 10 in.	1 inch	1 inch
Economate-8W	8 lbs (3.6 kg)	White	35 in. x 10 in.	1 inch	1 inch

Technical Diagram

All Economate Variations



NOTE:
 *DO NOT REPLACE CHECK VALVES WITH BALL VALVES.
 *DO NOT ISOLATE FEEDER WITH BALL VALVES.
 PERFORMING EITHER OF THESE PRACTICES WILL RESULT IN TANK DAMAGE!

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CALL-OUTS: ECONOMATE FEEDER	
1	MAKE-UP WATER: (TOWER)
2	MAKE-UP WATER: INTO BIO FEEDER (DEDICATED)
3	BACK-CHECK VALVE
4	BACK-CHECK VALVE
5	MOTORIZED BALL VALVE
6	ISO/BALL VALVE: BIO-FEEDER SUPPLY
7	BROMINE FEEDER: BODY
8	BROMINE FEEDER: CAP/CLOSURE

Instructions

Caution

Personal Safety

- *Never inhale fumes or dust from the unit*
- Protection (polyvinyl gloves & safety glasses) should be worn when servicing the feeder.

Explosion Risk

All units are pressure-tested prior to shipping. To prevent buildup of gas in the unit:

- Make certain the discharge line to the feeder is unrestricted and not blocked by valves of any kind.
- NEVER add automated control valves downstream from the unit

Torque risk

- Do not over-tighten plastic fittings. They will break.

To Open The Economate

Always shut off the pump before servicing the tank.

1. Isolate the Economate by closing the inlet ball valve.
2. Open the drain/bleed valves as needed.
3. Carefully unscrew the closure & allow the unit to drain.
4. Do NOT strike closure with a metal hammer to loosen.

To Close the Economate

1. Check the sealing O-Ring is in place inside the cover.
2. Check that all drain/bleed valves are closed.
3. Adequately lubricate O-Ring & sealing surface.
4. Replace cover on unit and seal tightly.
5. Open the inlet ball valve and return to service.

Lubrication

Use only Silicone-based lubricants on the closure O-Ring & sealing surface. never use petroleum-type lubricants or vegetable oil. If the cover does not turn on easily, check that threads are free of debris and apply more lubricant as needed.

Winterizing

In situations where freezing temperatures can be expected, follow the "opening" procedure and drain all water from the Economate. Carefully remove undissolved tablets and thoroughly rinse the Economate with water. Proceed to place the closure back on the unit and leave all valves shut.

Featured Accessories

View all compatible accessories for our Economate Series at vector-industries.com



BioFunnel
4060F

BioFunnel (4060F)

This funnel is designed to make it easier when adding chemical to your Biomate 2000 or Economate biocide feeder. You can add chemical to your feeder without the worry of dangerous spills.

COMPATIBLE WITH

- Biomate 2000 Series
- Economate Series



Pressure Relief Valve
PRV-125

Pressure Relief Valve (PRV-125)

This thermoplastic-diaphragm pressure relief valve is the perfect insurance policy that protects your biocide feeder from over pressurizing. If for any reason pressure starts to build up in your biocide feeder, the diaphragm is forced up to relieve any excessive pressure. Comes in two variations of 80 or 125 PSI.

SPECIFICATIONS

Pressure Rating

125 PSI

COMPATIBLE WITH

- Biomate 2000 Series
- Economate Series



Economate Valve Package
ECO-VP

Economate Valve Package (ECO-VP)

This package includes everything you need for the Economate series. Made out of durable PVC, this package includes all ball valves, union, and cap for the Economate biocide feeder.

COMPATIBLE WITH

- Economate Series