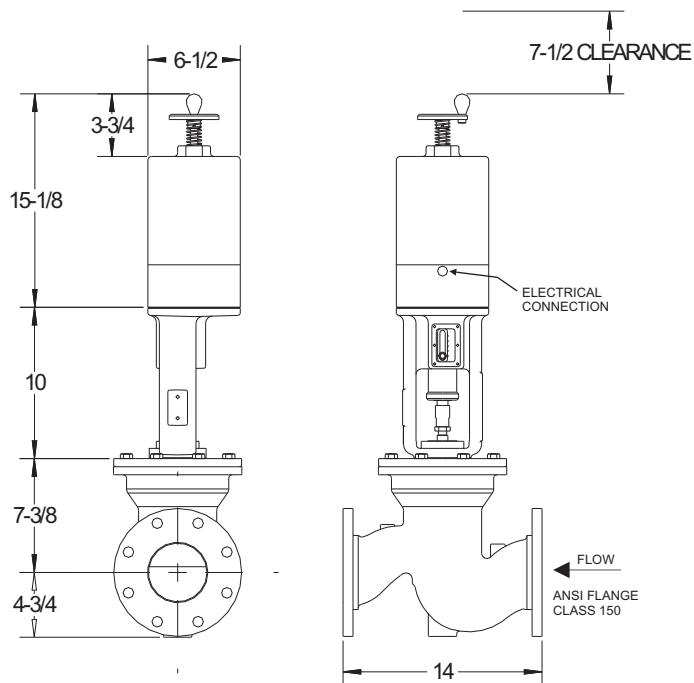


## SELECTION CRITERIA

- Seawater service
- 115 VAC, 60Hz, 1 PH, 1A
- 4-20mA, 0-5 VDC or 0-10 VDC Command Signal
- Cv = 94, 50 or 36
- Manual Override
- ANSI Flanges, Class 150
- 2-Way configuration
- 4" NPS
- 150 PSI water pressure rating
- 220 PSI proof pressure

## CONSTRUCTION DETAILS

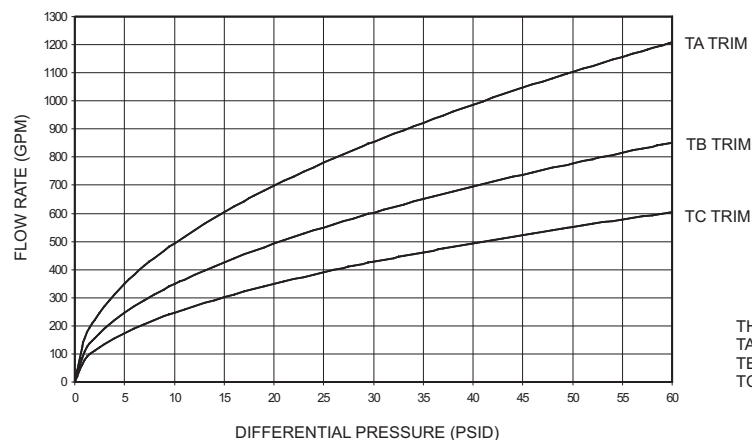
- Monel internals
- Buna-N seals
- Body material: Bronze (ASTM B61)



VALVE WEIGHT: 120 LBS.

## FLOW DATA

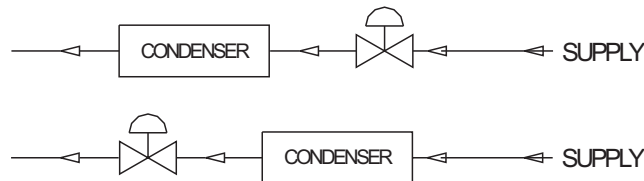
DIFFERENTIAL PRESSURE VS FLOW  
(with valve full open)



THREE TRIM SELECTIONS:  
TA Trim: Cv=156  
TB Trim: Cv=110  
TC Trim: Cv=78

## HEAD PRESSURE REGULATOR TYPICAL APPLICATION

- Typically used to modulate the cooling water through a condenser in response to a control signal from the condenser. Refrigerant head pressure is maintained over a wide range of operating conditions for a maximum system operating efficiency.



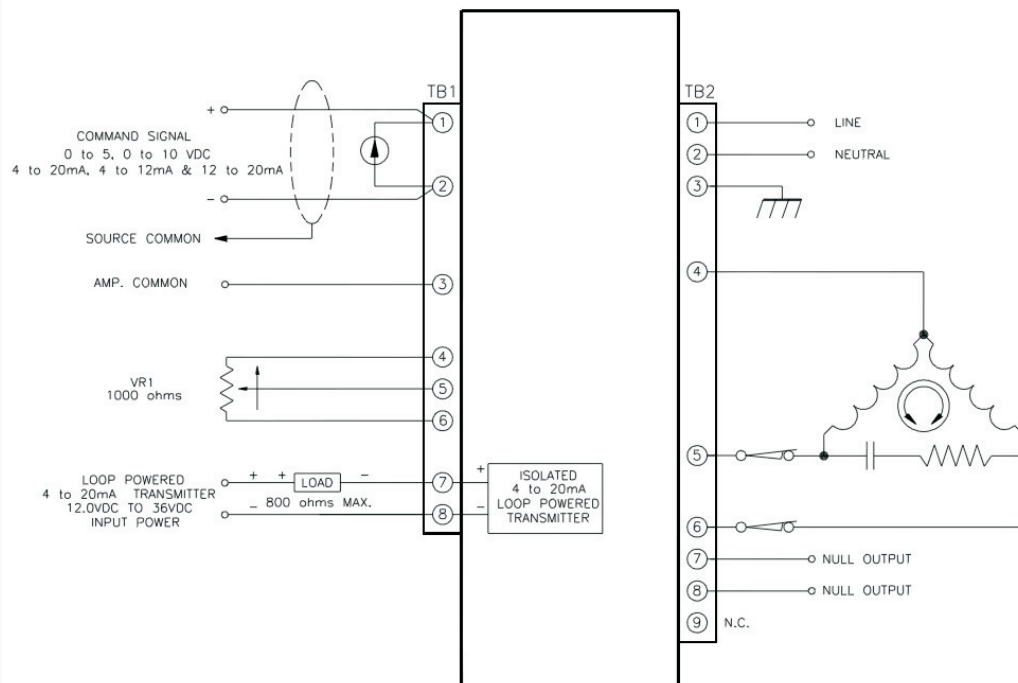
## INSTALLATION & OPERATION

Valves can be mounted in any position without affecting performance. However, consider the accessibility of the electrical connections and the manual hand crank.

The valve features a Rotork MV-1500 Series linear actuator. The MV-1500 Series is a full featured unit with the ability to accept analog control signals.

The built-in servo drive amplifier controls the stepper motor's speed and direction. It also controls the actuator end limits, motor torque, deadband and 4-20mA transmitter.

The design offers smooth, highly accurate positioning, with positive position locks when not in motion.



TYPICAL WIRING DIAGRAM