



# TGB-24v / TGB-120v

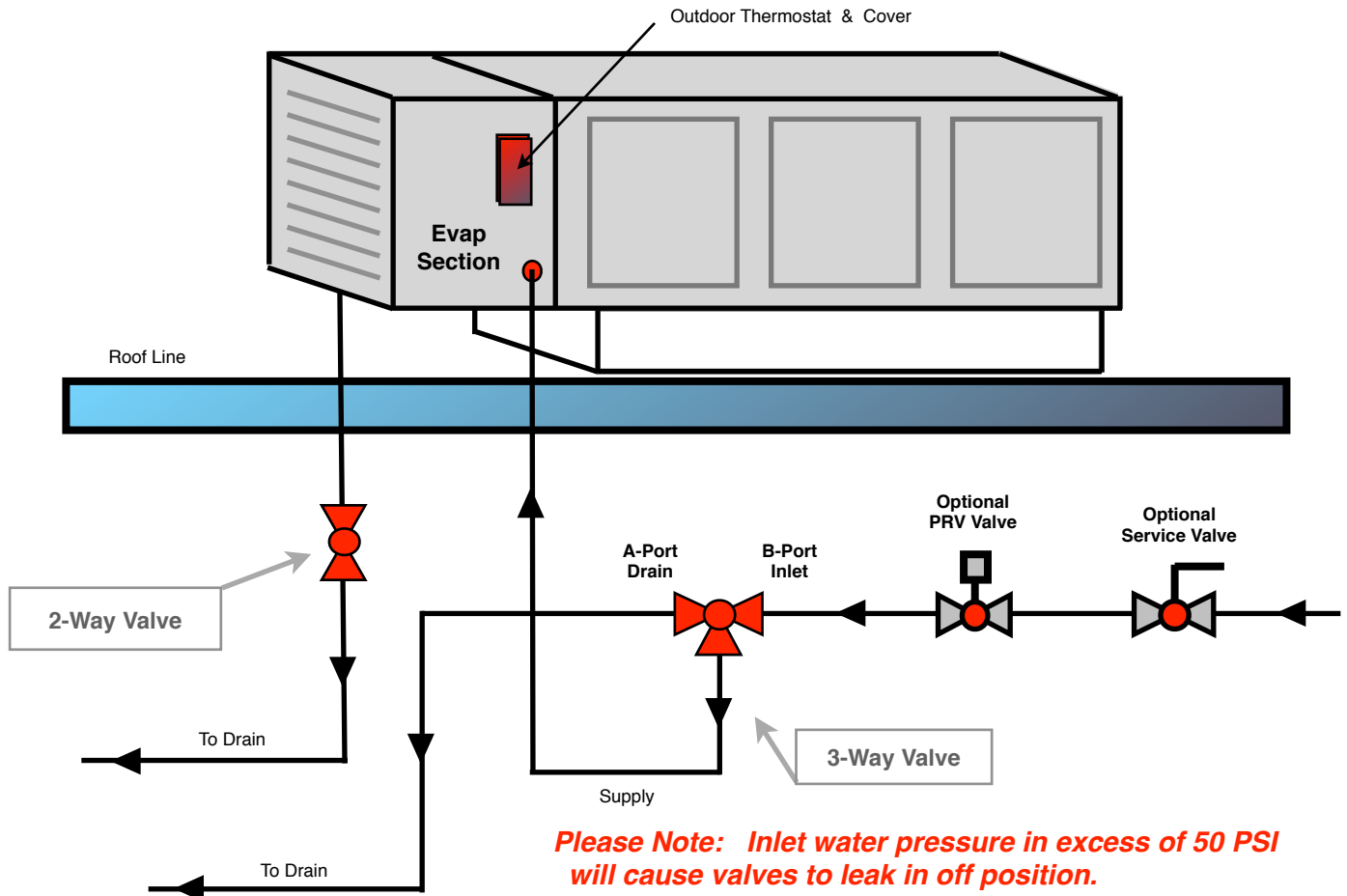
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## Automatic Fill & Drain Kit

The TGB Series of Automatic Fill & Drain Kits provide freeze protection for reservoir style, evaporative cooling systems. Upon a drop in the outdoor ambient temperature, the outdoor thermostat positions the three-way valve and the two-way valve to allow the reservoir and connecting water lines to drain any standing water below the roof line. Subsequently, a rise in ambient temperature, above the set-point of the outdoor thermostat (plus the designated differential built into the thermostat) allows the drain ports to close and the fill port to open, restoring the water level of the reservoir. It is recommended that the Outdoor Thermostat to be set at 60 degrees (F). The built-in differential is recommended to be set at 5 degrees (F).

The TGB series is available in Two Voltages... TGB-120v or TGB-24v.

- All valves are rated for a maximum inlet water pressure of 50 PSI...
- A Field-Furnished Pressure Reducing Valve may be required.
- Inverted Flair Fittings are included for ease of installation and service.
- A Rainproof enclosure is included for protection of the outdoor thermostat.
- 2-Way & 3-Way Valves to be mounted under the roof line, in a heated space.



**Please Note: Inlet water pressure in excess of 50 PSI will cause valves to leak in off position.**

**PRV valve is Highly Recommended ...**

**Adjust outlet pressure of PRV to 25 PSI to insure maximum valve life.**

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Available Voltages

TGB-120v 120 volt valves or TGB-24v 24 volt valves

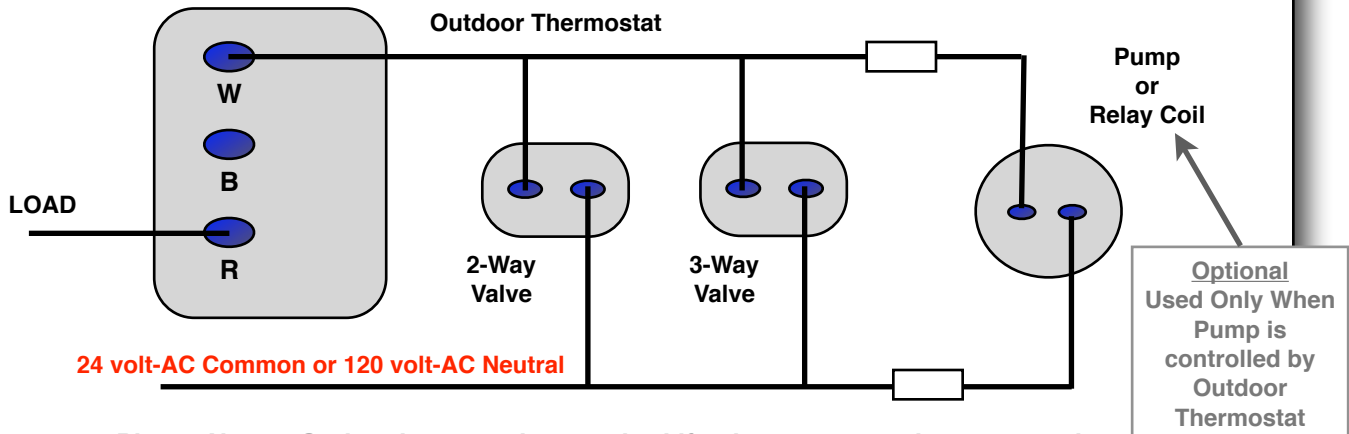


**2-Way Valve:** Drain Valve  
3/4" Copper Sweat - Inverted Flare Fittings

**3-Way Valve:** Fill & Drain Valve  
1/2" Copper Sweat - Inverted Flare Fittings



### Wiring Strategy



*Please Note: Optional pump relay required if voltage to pump is not 115 volts.*



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