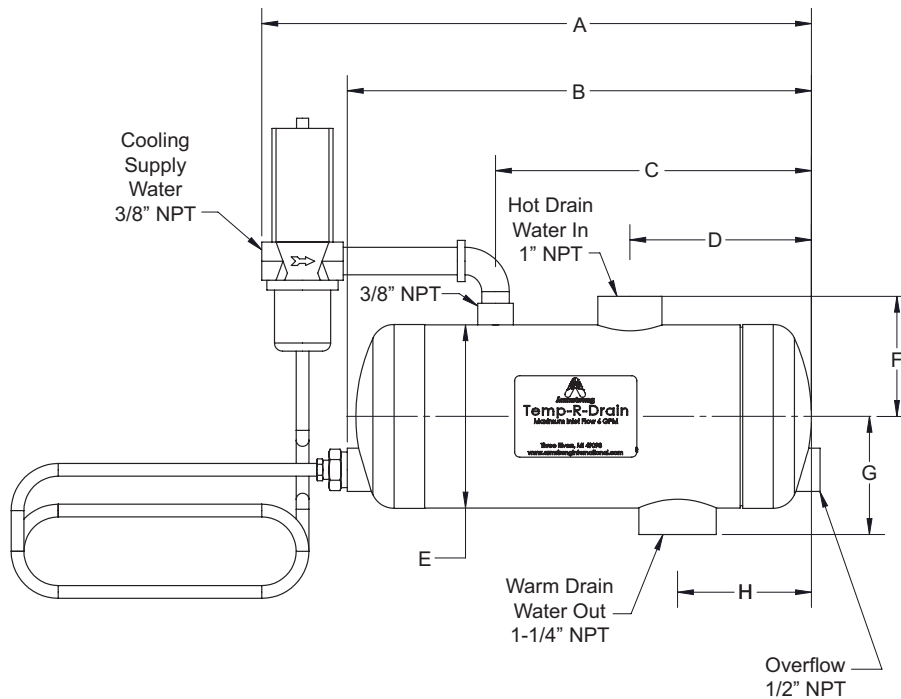




Temp-R-Drain for Condensate Cooling

Figure 158-1.



The Temp-R-Drain is a device that mixes hot condensate and cold supply water to maintain a drain outlet temperature suitable for drainage directly to any plumbing system. The Temp-R-Drain's body and fittings are constructed 304 stainless steel coupled with a brass-bodied thermostatically controlled tempering valve. When hot condensate is drained into the Temp-R-Drain's body, the tempering valve opens, allowing cold water to enter the chamber and mix with the hot condensate cooling the water to be drained.

Features

- Fast acting mixing valve to monitor and control outlet drain temperature.
- Standard pipe sizes and integral air gap, which allows unit to be hard piped into plumbing system.
- Rugged construction: Body and fittings of 304 stainless steel, brass-bodied tempering valve.
- Maximum capacity: Temp-R-Drain will temper 3 gpm of 212°F water to 140°F when supplied with 70°F or cooler water at 20 psi or more.

Suggested Specification for Temp-R-Drain

Drain tempering device:

- Body and fittings shall be constructed of 304 stainless steel with welded seams.
- Cold water supply valve shall be brass, controlled by thermostatic
- element.
- Drain temperature shall be factory preset to 140°F and shall be field adjustable.
- Unit shall have integral air gap to allow for hard piping into plumbing system.
- Unit shall be installed horizontally and shall drain completely without using separate drain valve.

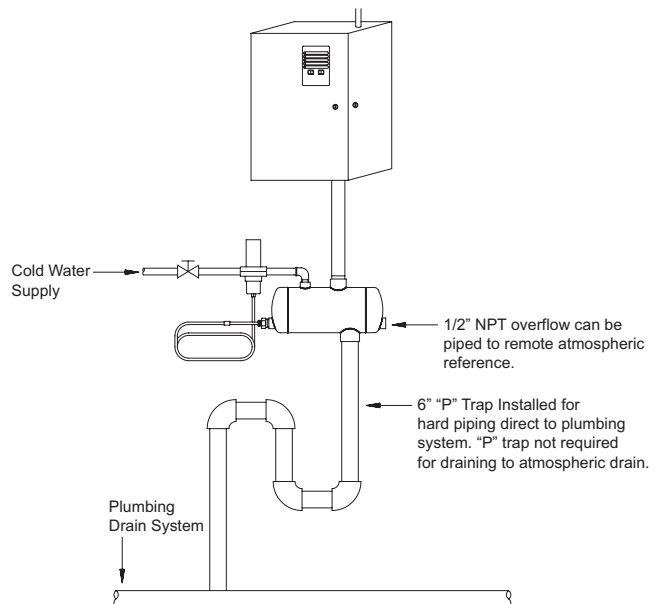
Table 158-1. Temp-R-Drain List of Materials

Mixing Chamber & Fittings	304 Stainless Steel
Tempering Control Valve	Brass Bodied

Table 158-2. Temp-R-Drain Dimensions

Item	Description	in	mm
A	Overall Length	13-1/2	343
B	Vessel Length	11-4/5	299
C	End Cap to CW Inlet	7-7/8	197
D	End Cap to HW Inlet	4-1/2	113
E	Vessel Diameter	4-1/2	114
F	Vessel C to Inlet	3-1/8	79
G	Vessel C to Outlet	3-1/8	80
H	End Cap to Outlet	3-3/8	83

Figure 158-2. Typical Installation



Designs, materials, weights and performance ratings are approximate and subject to change without notice. Visit www.armstronginternational.com for up-to-date information.