

# Temperature & Pressure Relief Valve Introduction

As a dual automatic safety protection device installed in boiler, water heater or controlled pressure storage water heater, TPR valve can prevent excessive temperature and pressure. Wax probe will automatically open the seal mechanism to release the hot water and steam when the temperature and pressure meet the preset rating. In addition, TPR valve will automatically reset quickly to avoid the waste of hot water resource when the pressure or temperature reduced a certain value.



## Specifications

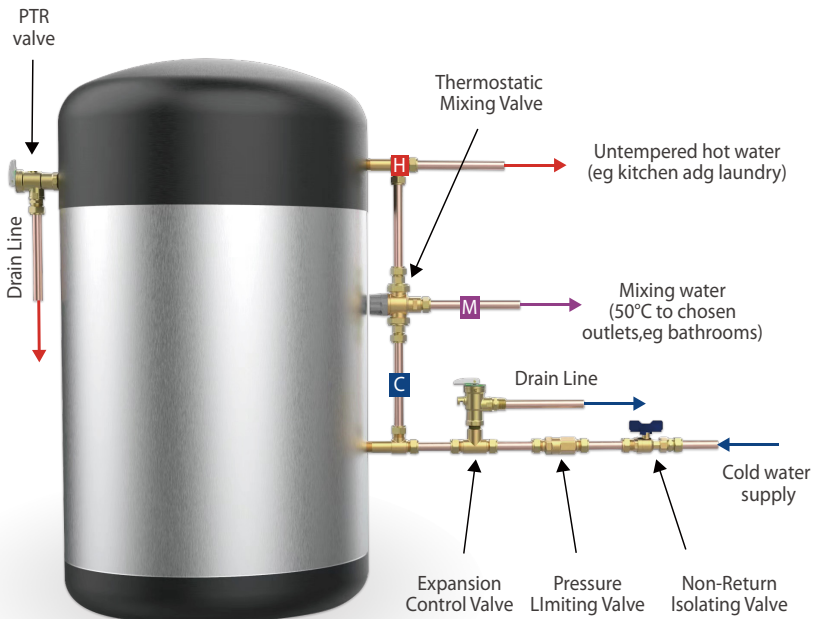
- Material: Brass
- Opening Temperature: 90 °C ~99 °C
- Resetting Temperature:  $\geq 70$  °C
- Pressure Rating: 500Kpa、600Kpa、700Kpa、800Kpa (850Kpa)、1000Kpa、1200Kpa、1400Kpa
- Resetting Pressure:  $\geq 85\%$
- DN size: DN15(1/2") DN20(3/4")
- Standards compliant: ANSI Z21.22&EN1490

## Dimension Drawing

Model	Specification	Dimension						Temperature steam rating
		A(mm)	B	C(mm)	D(mm)	E(mm)	F	
930008NT	1/2"	φ37	Rp1/2"	51	94	φ7	R1/2"	15,000 BTU/hr
			1/2" NPT				1/2" NPT	
930003NT	3/4"	φ37	Rp3/4"	41	105	φ7	R3/4"	105,000 BTU/hr
			3/4" NPT				3/4" NPT	

## ⚙️ Installation:

1. The rated parameters of the equipment must be matched with the parameters marked on the products.
2. The pressure & temperature relief valve must be installed by a trained and experienced plumber to assure the installation installed successfully.
3. A thorough check must be made after the installation.
4. To assure the successful installation, the drainage must be flush out completely to remove any debris or dirt particles that may cause the valve to malfunction. Remove all filtering equipment before flushing out so as to make the waterways clear.
5. Use the standard thread connection.
6. When installing, make sure the flow direction of medium should be consistent with the arrow direction of valve body.



## ! Noted

Following installation, TPR valve must be operated at least once a year to ensure that the water-ways are clear. Certain naturally occurring mineral deposits may adhere to the valve, rendering it inoperative. Before operating lever, check to see that a discharge line is connected to this valve directing the flow of hot water from the valve to a proper place of disposal, otherwise personal injury may result. If no water flows, valve is inoperative. Turn off the water heater and call a plumber immediately.