

# Bi-Metallic Steam Traps

**Brand:** Watson McDaniel



## Short Description

The WPN Series Bi-Metallic Steam Traps are used in steam tracing, steam main drips and non-critical process equipment. They can be used with superheated steam or on outdoor applications that are subject to freezing. The WPN Series Traps are available in multiple sizes and pressures up to 2,260 PSI.

## Description

When the system is cold, the trap is fully open; discharging air and cold condensate. When the bi-metallic plates inside the trap heat up, they expand; pulling the seat closed and restricting Flow. Prior to steam temperature being reached, the trap shuts off tightly. Cooler temperatures cause the seat to open further. Therefore, trap capacity will increase when colder condensate is in contact with the Bi-metal element. Trap capacity is therefore given at different temperatures below saturated steam temperature.