

**For Water Heater/Tank Applications**

Job Name _____	Contractor _____
Job Location _____	Approval _____
Engineer _____	Contractor's P.O. No. _____
Approval _____	Representative _____

# Model N36-M1

## Vacuum Relief Valve

Sizes: 1/2" and 3/4" (15 and 20mm) Male NPT

### FEATURES

- ✦ Low profile
- ✦ All brass body
- ✦ Protective cap
- ✦ Suitable for low pressure steam and water service
- ✦ Tested and rated to ANSI Z21.22
- ✦ CSA certified

### APPLICATIONS

- Domestic water heaters and supply tanks
- Table top heaters
- Jacketed steam kettles
- Unit heaters
- Low pressure steam systems
- Steam coil heaters

**Note:** Vacuum relief valves are not designed or approved as back-siphonage backflow preventers. For protection against back-siphonage install Watts Series 288A vacuum breakers.

### STANDARDS

Tested and rated to ANSI Z21.22  
CSA certified

### SPECIFICATIONS

A Watts Model N36-M1 Vacuum Relief Valve shall be installed on domestic hot water supply tanks/ heaters/ unit heaters/ steam kettles as indicated on plans. The vacuum relief valve shall be ANSI Z21.22 rated and CSA certified. The vacuum relief valve shall have an all brass body and include a protective cap.

Tested and rated under "ANSI Z21.22 Relief Valves for Hot Water Supply Systems".



Watts N36-M1



For automatic venting of a closed system to atmosphere when a vacuum is created. The Watts N36-M1 Vacuum Relief Valve permits air to enter and prevent vacuum conditions that could siphon the water from the system, resulting in collapse of a tank or water heater or equipment burn out.

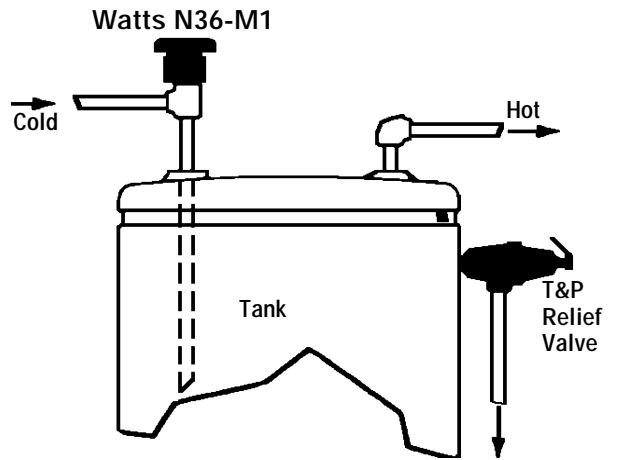


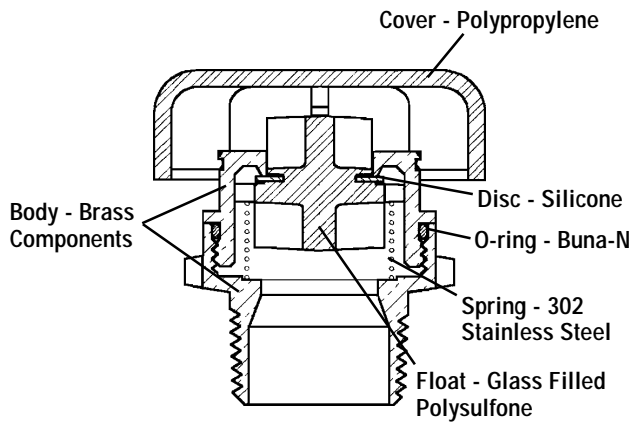
Figure 1  
Domestic Hot Water Supply Tanks and Heaters with Top Supply



USA: 815 Chestnut St., No. Andover, MA 01845-6098; www.wattsreg.com  
Canada: 5435 North Service Rd., Burlington, ONT. L7L 5H7; www.wattscda.com



# MATERIALS



# PRESSURE/TEMPERATURE

Maximum steam working pressure: 15 psi (1.03 bars)  
 Maximum temperature: 250°F (121°C)

# TYPICAL INSTALLATIONS

## Water Service

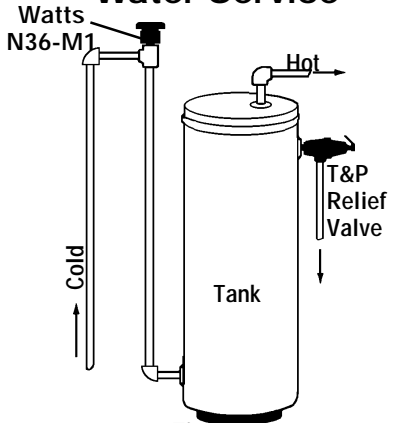


Figure 2

Domestic Hot Water Supply Tanks and Heaters with Bottom Feed

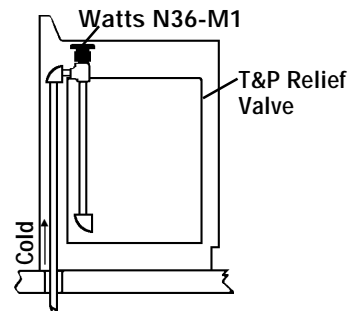
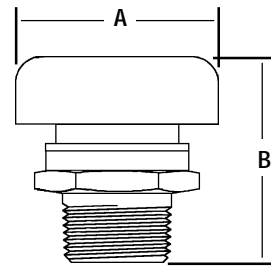


Figure 3 - Table Top Heaters

# DIMENSIONS / WEIGHT



Size (DN)	Dimensions				Weight		
	in.	mm	in.	mm	in.	mm	oz.
1/2	15	2	50	2	50	4	113
3/4	20	2	50	2	50	4	113

# CAPACITY

Size (DN)	Venting Capacity	
	CFM	LPM
1/2	15	425
3/4	15	425

## Steam Service

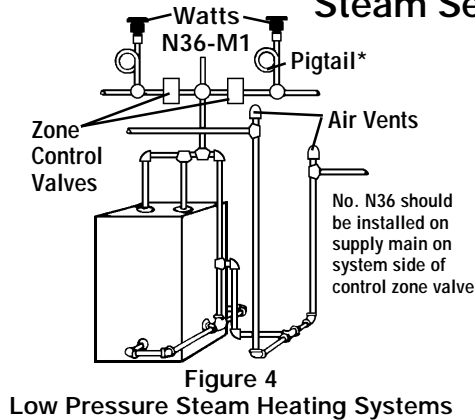


Figure 4

Low Pressure Steam Heating Systems

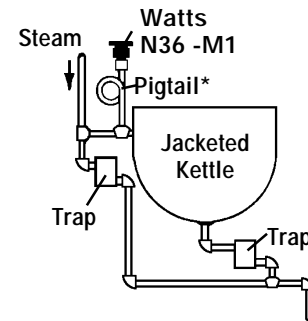


Figure 5

Jacketed Kettles

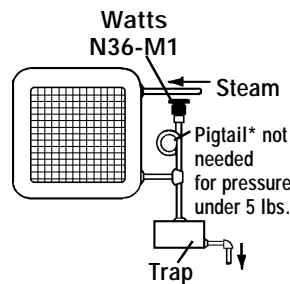


Figure 6  
Unit Heaters

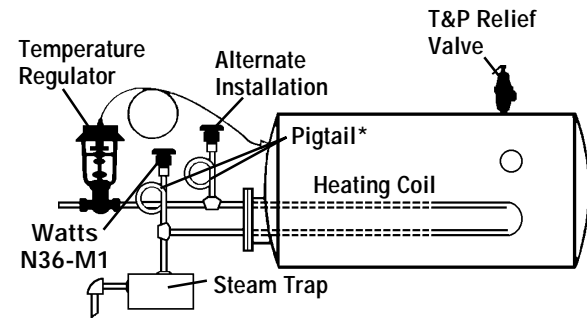


Figure 7  
Steam Coil Heaters

**\*Note:** When used for steam service, be sure to use pigtail to prevent live steam from damaging N36 valve.

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