## *For Water Heater/Tank Applications*

Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

**LEAD FREE***

# Model LFN36-M1

## Vacuum Relief Valve

**Sizes: ½" – ¾" (15 and 20mm) Male NPT**

### Features

- Low profile
- All Lead Free* brass body
- Protective cap
- Suitable for low pressure steam and water service
- Tested and rated to ANSI Z21.22
- CSA certified
- The LFN36-M1 features Lead Free* construction to comply with Lead Free* installation requirements.

### 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 backsiphonage backflow preventers. For protection against backsiphonage install Watts Series 288A vacuum breakers.

### Standards

Tested and rated to ANSI Z21.22

CSA certified

### Specifications

A Watts Model LFN36-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 for automatic venting of a closed system to atmosphere when a vacuum is created. The Lead Free* Vacuum Relief Valve shall comply with state codes and standards, where applicable, requiring reduced lead content. The Watts LFN36-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. The valve shall be a Watts Model LFN36-M1.

Design certified by

LFN36-M1

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

**LFN36-M1**

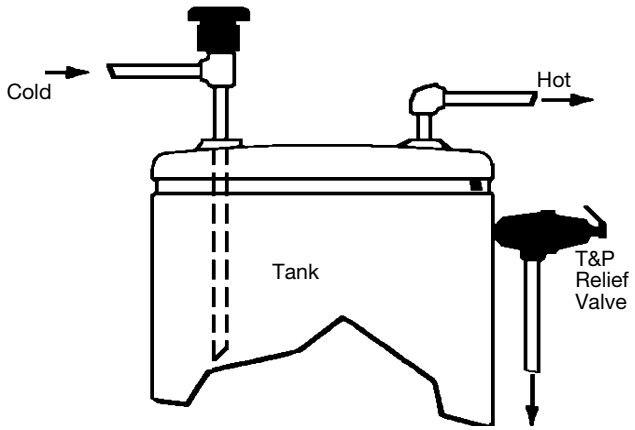


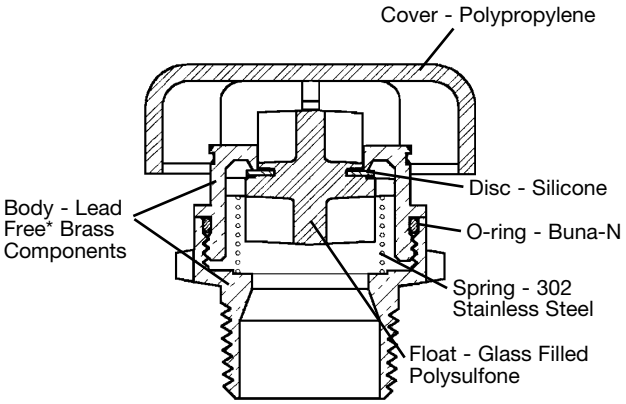

**Figure 1**
**Domestic Hot Water Supply Tanks and Heaters with Top Supply**

***The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.**



WATTS®

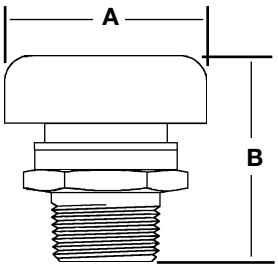
## Materials




## Pressure/Temperature

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

## Dimensions-Weights




| SIZE (DN) | | DIMENSIONS | | | | WEIGHT | |
|---|---|---|---|---|---|---|---|
| | | A | | B | | | |
| in. | mm | in. | mm | in. | mm | oz. | gr. |
| ½ | 15 | 2 | 50 | 2 | 50 | 4 | 113 |
| ¾ | 20 | 2 | 50 | 2 | 50 | 4 | 113 |

## Capacity

| SIZE (DN) | | | VENTING CAPACITY | |
|---|---|---|---|---|
| in. | mm | MODEL | CFM | LPM |
| ½ | 15 | LFN36-M1 | 15 | 425 |
| ¾ | 20 | LFN36-M1 | 15 | 425 |

## Typical Installations

### Water Service

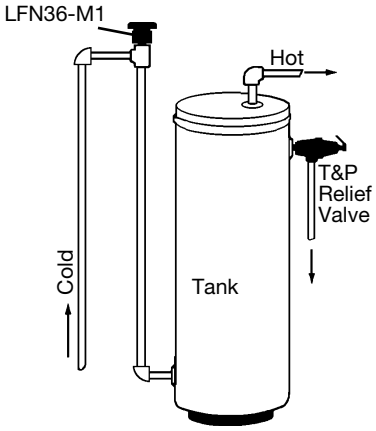



**Figure 2**
**Domestic Hot Water Supply Tanks and Heaters with Bottom Feed**

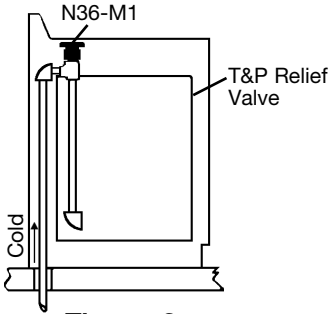



**Figure 3 -**
**Table Top Heaters**

### Steam Service

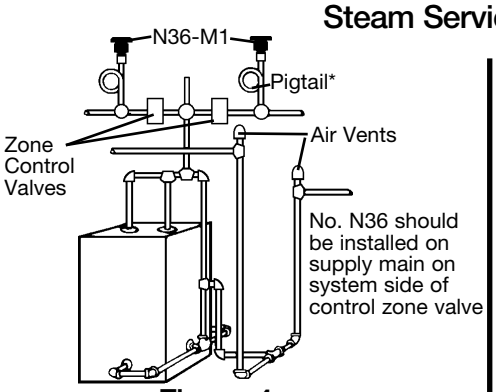



**Figure 4**
**Low Pressure Steam Heating Systems**

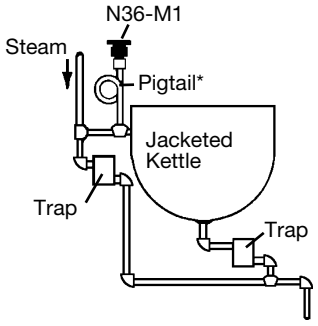



**Figure 5**
**Jacketed Kettles**

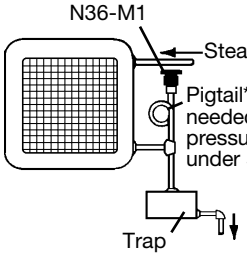



**Figure 6**
**Unit Heaters**

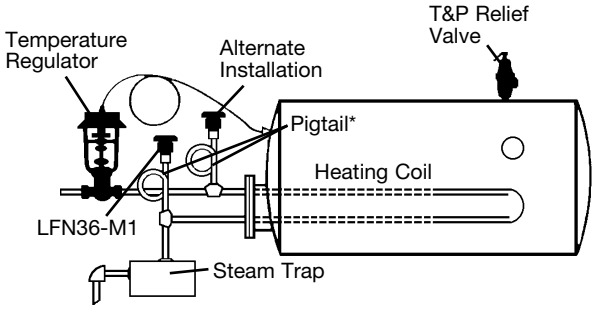



**Figure 7**
**Steam Coil Heaters**

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