

For Water Heater/Tank Applications

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

Model N36-M1 Vacuum Relief Valve

Sizes: 1/2" – 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.



N36-M1



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

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.

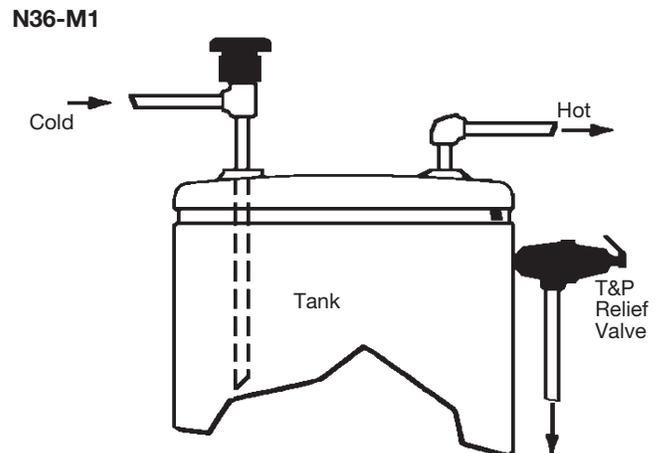
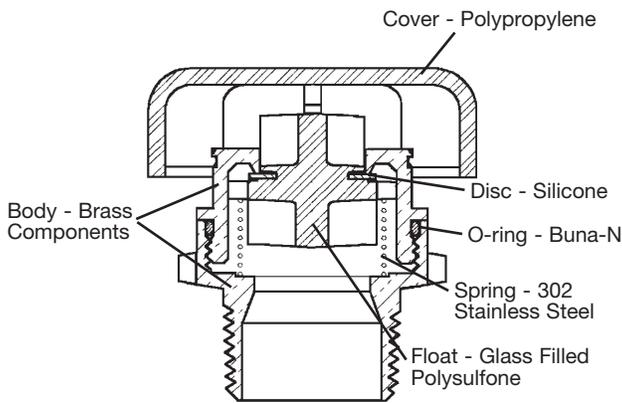


Figure 1
Domestic Hot Water Supply Tanks and Heaters with Top Supply

Materials



Pressure/Temperature

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

Typical Installations

Water Service

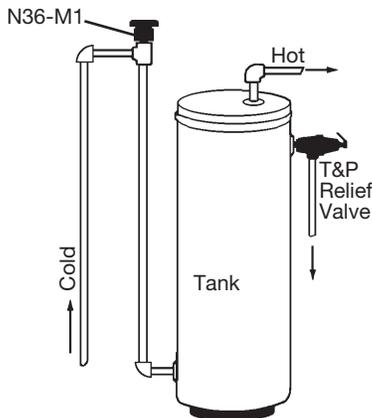


Figure 2

Domestic Hot Water Supply Tanks and Heaters with Bottom Feed

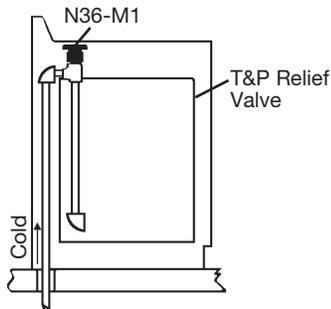
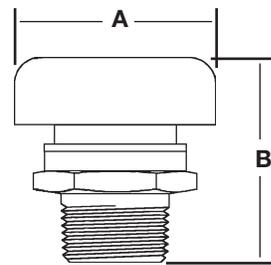


Figure 3 -
Table Top Heaters

Dimensions-Weights



SIZE (DN)		DIMENSIONS				WEIGHT	
in.	mm	in.	mm	in.	mm	oz.	gr.
1/2	15	2	50	2	50	4	113
3/4	20	2	50	2	50	4	113

Capacity

SIZE (DN)		VENTING CAPACITY		
in.	mm	MODEL	CFM	LPM
1/2	15	N36-M1	15	425
3/4	20	N36-M1	15	425

Steam Service

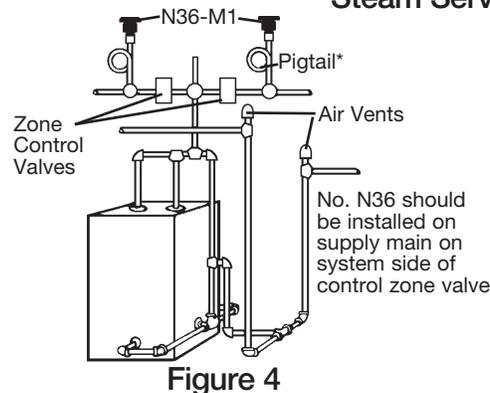


Figure 4

Low Pressure Steam Heating Systems

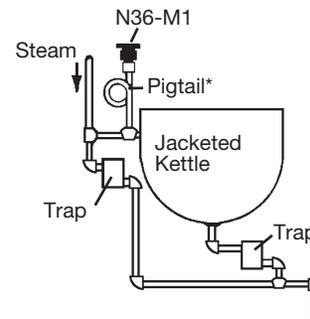


Figure 5

Jacketed Kettles

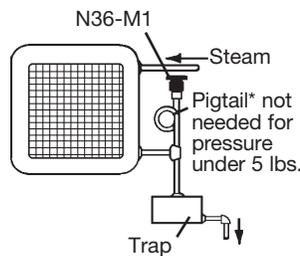


Figure 6
Unit Heaters

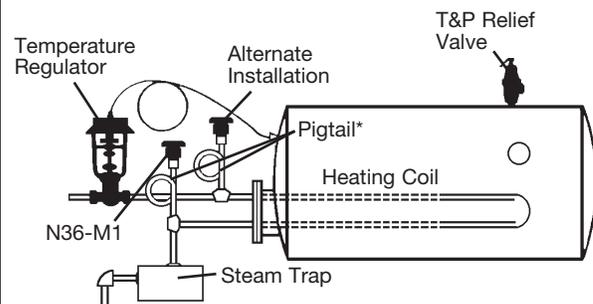


Figure 7
Steam Coil Heaters

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

WATTS®

Water Safety & Flow Control Products



ISO 9001-2000
CERTIFIED

USA: 815 Chestnut St., No. Andover, MA 01845-6098; www.watts.com

Canada: 5435 North Service Rd., Burlington, ONT. L7L 5H7; www.wattscanada.ca