

# Vacu-Stop™ Vacuum Relief Valve



## 304 series

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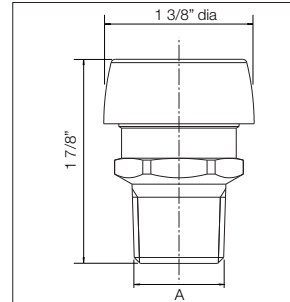
### Application

Vacu-Stop™ vacuum relief valves automatically allow air to enter into the piping system to prevent vacuum conditions that could siphon the water from the system and damage water heater/tank equipment. VRVs are suitable for water and low pressure steam service and are ideal for use in water heaters and supply tanks, table top heaters, jacketed steam kettles, unit heaters, low pressure steam systems, and steam coil heaters. Complies with ANSI Z21.22 and CSA 4.4 Relief Valves for Hot Water Supply Systems.

NSF/ANSI/CAN 372  
NSF/ANSI/CAN 61



### Dimensions



| Code                     | A    | Wt. (lb/kg) |
|--------------------------|------|-------------|
| <b>NPT male threaded</b> |      |             |
| 304040A                  | 1/2" | 0.8/0.4     |
| 304050A                  | 3/4" | 0.8/0.4     |

### Typical Specification

Furnish and install on the plans described herein, a 304 series Vacu-Stop vacuum relief valve as manufactured by Caleffi. Each vacuum relief valve must be designed with a DZR low-lead brass body. Each vacuum relief valve must include a acrylonitrile butadiene styrene cover plate, and polyphenylsulfone check cartridge. Provided with glass fiber reinforced nylon top. Each vacuum relief valve shall be Caleffi 304 Vacu-Stop series or approved equal. (See product instructions for specific installation information.)

### Technical specifications

#### Materials

Body: DZR low-lead brass CW724R  
 Top: glass fiber reinforced nylon PA6G30  
 Cover plate: acrylonitrile butadiene styrene  
 Cartridge, check: polyphenylsulfone  
 Spring: stainless steel ISO 6931-1 (4310-301-00)  
 Washer: silicon 240/T

#### Performance

Medium: water, low pressure steam  
 Maximum working pressure (water): 200 psig (14 bar)  
 Maximum working pressure (steam): 15 psig (1 bar)  
 Working temperature range: 32 to 250°F (0 to 120°C)  
 Vacuum relief opening pressure (opening point): 0.3" Hg (1 kPa) vacuum  
 Relief capacity: 4.5 cfm @ 2" Hg (130 lpm @ 7 kPa) vacuum

Complies with ANSI Z21.22/CSA 4.4 and NSF/ANSI/CAN 61 and NSF/ANSI/CAN 372, Drinking Water System Components-Lead Content Reduction of Lead in Drinking Water Act, California Health and Safety Code 116875 S.3874, Reduction in Drinking Water Act, Vermont Act 193 - The Lead in Plumbing Supplies Law and Maryland's Lead Free Law HB.372, as certified by ICC-ES.

We reserve the right to change our products and their relevant technical data, contained in this publication, at any time and without prior notice. Contractors should request production drawings if prefabricating the system

Job name \_\_\_\_\_  
 Job location \_\_\_\_\_  
 Engineer \_\_\_\_\_  
 Mechanical contractor \_\_\_\_\_  
 Contractor's P. O. No. \_\_\_\_\_  
 Representative \_\_\_\_\_

Size \_\_\_\_\_  
 Quantity \_\_\_\_\_  
 Approval \_\_\_\_\_  
 Service \_\_\_\_\_  
 Tag No. \_\_\_\_\_  
 Notes \_\_\_\_\_