



Instruction Sheet

102-553

Backflow Preventer

Dual Check with Atmospheric Vent Models 3192-C1, 3192-T1, 3193-C1, 3193-T1

SUPERSEDES: NEW

EFFECTIVE: JANUARY 23, 2018

Plant ID No. 001-4245



WARNING: Under certain conditions extremely hot water could be discharged from the 1/2" vent port resulting in serious injury. Never plug the 1/2" atmospheric vent port.

INSTALLATION:

Taco dual checks with atmospheric vent are designed for use in non-health hazard applications such as backflow protection for a hydronic heating system.

Consult your local codes for proper application and installation requirements.

Install on the cold water supply line before the pressure regulator (boiler feed valve).

The backflow preventer may be installed horizontally or vertically.

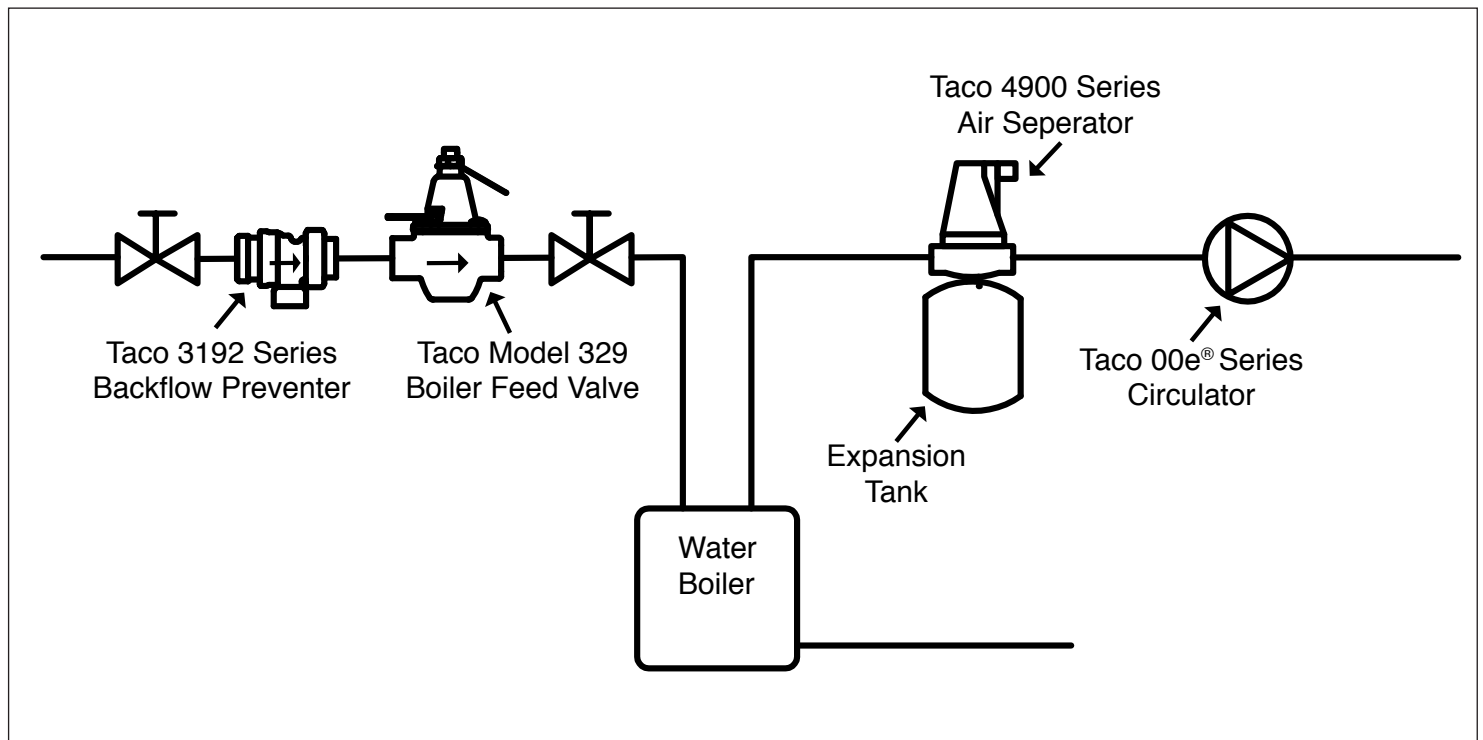
If soldering or pipe cutting has occurred flush the line to remove any debris prior to installing the backflow preventer.

Sudden pressure changes in the system may cause a small discharge of water and is not a defect in the product. The cause of sudden pressure changes may need to be corrected.



Caution: This Backflow Preventer should only be installed by qualified heating professionals. Consult local authorities for any code requirements in your area.

INSTALLATION DIAGRAM:



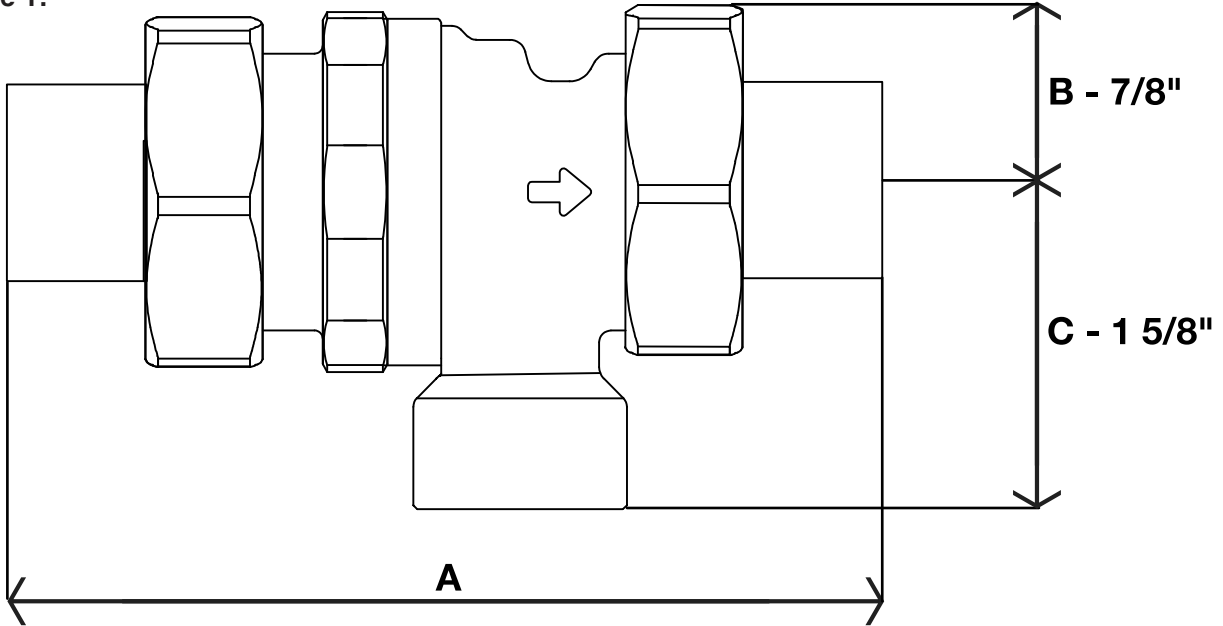
**Preferred installation. For reference purposes only.*

Backflow Preventer

| Models | Performance Data | | | | | | Body | Inlet | Outlet | A | | B | | C | | Ship Wt. | |
|---------|------------------|-----|----------------------|------|-----------------------|------------|-------|----------------|----------------|-------|-----|-----|----|-------|----|----------|-----|
| | Max Temp | | Max Working Pressure | | Design Pressure Range | | | | | in. | mm | in. | mm | in. | mm | lbs. | Kg |
| | F° | C° | psi | kpa | psi | kps | | | | | | | | | | | |
| 3192-C1 | 250 | 121 | 175 | 1206 | 25 - 250 | 172 - 2413 | Brass | 1/2" Union SWT | 1/2" Union SWT | 4-1/4 | 108 | 7/8 | 22 | 1-5/8 | 41 | 1.5 | 0.7 |
| 3192-T1 | | | | | | | Brass | 1/2" Union NPT | 1/2" Union NPT | 4-1/8 | 105 | 7/8 | 22 | 1-5/8 | 41 | 1.5 | 0.7 |
| 3193-C1 | | | | | | | Brass | 3/4" Union SWT | 3/4" Union SWT | 4-7/8 | 124 | 7/8 | 22 | 1-5/8 | 41 | 1.5 | 0.7 |
| 3193-T1 | | | | | | | Brass | 3/4" Union NPT | 3/4" Union NPT | 4-1/8 | 105 | 7/8 | 22 | 1-5/8 | 41 | 1.5 | 0.7 |

**Figures are for reference purposes only.*

Figure 1:



LIMITED WARRANTY STATEMENT

Taco, Inc. will repair or replace without charge (at the company's option) any product or part which is proven defective under normal use within one (1) year from the date of start-up or one (1) year and six (6) months from date of shipment (whichever occurs first).

In order to obtain service under this warranty, it is the responsibility of the purchaser to promptly notify the local Taco stocking distributor or Taco in writing and promptly deliver the subject product or part, delivery prepaid, to the stocking distributor. For assistance on warranty returns, the purchaser may either contact the local Taco stocking distributor or Taco. If the subject product or part contains no defect as covered in this warranty, the purchaser will be billed for parts and labor charges in effect at time of factory examination and repair.

Any Taco product or part not installed or operated in conformity with Taco instructions or which has been subject to misuse, misapplication, the addition of petroleum-based fluids or certain

chemical additives to the systems, or other abuse, will not be covered by this warranty.

If in doubt as to whether a particular substance is suitable for use with a Taco product or part, or for any application restrictions, consult the applicable Taco instruction sheets or contact Taco at (401-942-8000).

Taco reserves the right to provide replacement products and parts which are substantially similar in design and functionally equivalent to the defective product or part. Taco reserves the right to make changes in details of design, construction, or arrangement of materials of its products without notification.

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