

Tate Andale Pressure-Vacuum Relief Valves

Description:

Standard TATE pressure-vacuum relief valves consist of a bronze body, pressure valve, vacuum valve, and a 30 mesh flame barrier. These valves are used where a normally closed vent valve is required as compared with the normally open attitude of our vent check and vent terminal valves. Typical requirements would be on highly vaporous liquid cargos or where contamination from atmosphere must be kept to a minimum during transport.

TATE pressure-vacuum relief valves prevent contamination of liquid cargos by sea water, eliminate possibility of fire penetrating to or from tanks through vent valves and protect against pressure or vacuum accumulation in the tanks.

Features:

1. Flexible Body Design

TATE #53-20, 25, 60 and 65 permits pressure relief directly to the atmosphere. TATE #53-40 and 53-45 relieves the pressure into a header system for exhausting in a remote area.

2. Engineered Seating & Guide Surfaces

Proper tolerances are allowed to insure free lifting and reseating of valve.

3. In-The-Line Repair

Bonnets are designed for easy removal to effect cleaning and repair of valve disc and seats.

4. Settings

Standard settings are 1 PSI vacuum and 2 PSI pressure with special settings available on request.

5. Materials

Standard construction of body and trim is bronze—other approved corrosion resistant materials are available on application.

6. Mechanical Unloaders

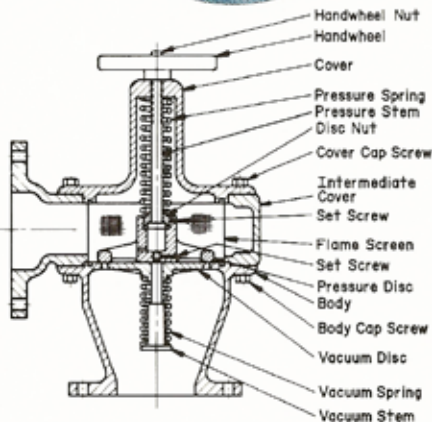
All valves are available with or without mechanical pressure and vacuum valve unloaders (lifting device). Specify the Model Number that best serves your systems requirements.

7. Large Open Areas

The areas through the entire valve and all components comply with the established standards of the U.S.C.G.

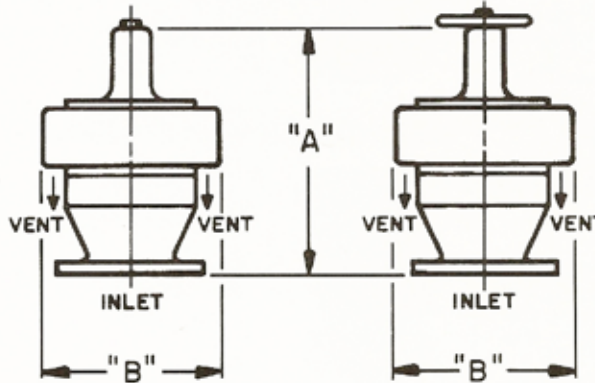
Ordering Information—Specify:

1. Size and model number
2. Pressure and vacuum settings.



MODEL 53-20

Designed for automatic control of pressure/vacuum relief and venting to atmosphere in a downward direction.



MODEL 53-25

Designed for automatic and/or manual control of pressure/vacuum relief and venting to atmosphere in a downward direction.

SIZE	A	B
2½"	10 ¹³ / ₁₆ "	7 ³ / ₈ "
4"	14 ³ / ₄ "	10 ³ / ₄ "
6"	20 ¹ / ₂ "	13 ³ / ₄ "
8"	20 ⁵ / ₈ "	17 ¹ / ₂ "
10"	29 ¹ / ₄ "	20 ¹ / ₂ "

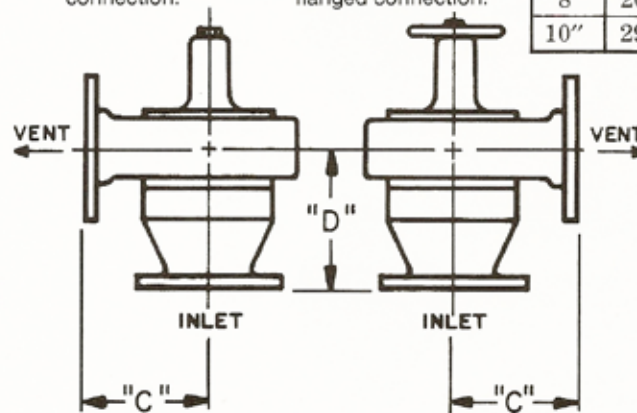
MODEL 53-40

Designed for automatic control of pressure/vacuum relief and venting thru a flanged connection.

MODEL 53-45

Designed for automatic and/or manual control of pressure/vacuum relief and venting thru a flanged connection.

SIZE	A	B	C	D
2½"	10 ¹³ / ₁₆ "	7 ³ / ₈ "	5"	5 ¹¹ / ₁₆ "
4"	14 ³ / ₄ "	10 ³ / ₄ "	7 ¹ / ₂ "	8 ⁷ / ₁₆ "
6"	20 ¹ / ₂ "	13 ³ / ₄ "	10"	11 ¹ / ₄ "
8"	20 ⁵ / ₈ "	17 ¹ / ₂ "	12"	11 ³ / ₄ "
10"	29 ¹ / ₄ "	20 ¹ / ₂ "	15 ¹ / ₄ "	16 ³ / ₄ "



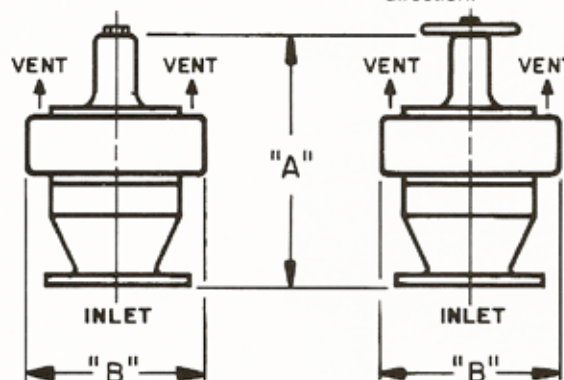
MODEL 53-60

Designed for automatic control of pressure/vacuum relief and venting to atmosphere in a upward direction.

MODEL 53-65

Designed for automatic and/or manual control of pressure/vacuum relief and venting to atmosphere in a upward direction.

SIZE	A	B
2½"	10 ¹³ / ₁₆ "	7 ³ / ₈ "
4"	14 ³ / ₄ "	10 ³ / ₄ "
6"	20 ¹ / ₂ "	13 ³ / ₄ "
8"	20 ⁵ / ₈ "	17 ¹ / ₂ "
10"	29 ¹ / ₄ "	20 ¹ / ₂ "



Dimensions in inches—Subject to change without notice.

Unless otherwise specified flanges furnished flat faced and drilled in accordance with ASA B16.24.