



THERMOSTATIC AIR VENT FOR STEAM

MODEL LA13L BRASS

COMPACT AIR VENT FOR STEAM WITH FAIL-OPEN FEATURE

Features

Balanced pressure thermostatic air vent with fail-open feature for steam.

1. Vents air automatically until close to steam temperature.
2. Compact yet with high capacity.
3. Reacts immediately to changes in operating conditions.
4. Easy to maintain and easy to clean.
5. Hardened stainless steel valve seat.
6. Tight shut-off.



Specifications

| | | |
|------------------------------------|------------|----------|
| Model | LA13L | |
| Connection | Screwed | |
| Size | 1/2", 3/4" | |
| Maximum Operating Pressure (barg) | PMO | 13 |
| Minimum Operating Pressure (barg) | | 0.1 |
| Maximum Operating Temperature (°C) | TMO | 200 |
| Subcooling of X-Element Fill (°C) | | up to 22 |
| Type of X-Element | | T |
| Applicable Fluid* | | Steam |

* Do not use for toxic, flammable or otherwise hazardous fluids.

1 bar = 0.1 MPa

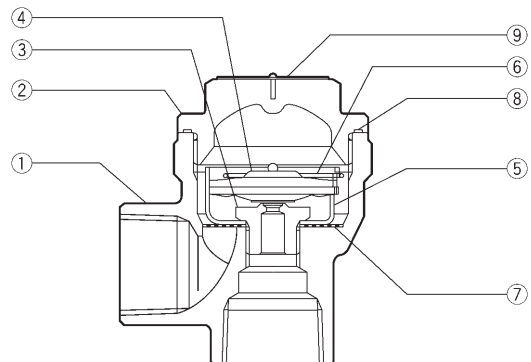
PRESSURE SHELL DESIGN CONDITIONS (NOT OPERATING CONDITIONS): Maximum Allowable Pressure (barg) PMA: 16
Maximum Allowable Temperature (°C) TMA: 220



To avoid abnormal operation, accidents or serious injury, DO NOT use this product outside of the specification range. Local regulations may restrict the use of this product to below the conditions quoted.

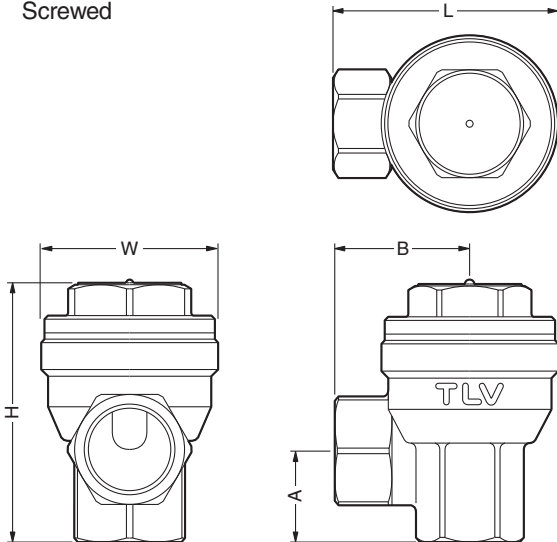
| No. | Description | Material | DIN* | ASTM/AISI* |
|-----|-----------------|-------------------------|--------|-------------|
| ① | Body | Brass C3771 | 2.0380 | B124 C37700 |
| ② | Cover | Brass C3771 | 2.0380 | B124 C37700 |
| ③ | Valve Seat | Stainless Steel SUS420F | 1.4028 | AISI420F |
| ④ | X-Element | Stainless Steel | — | — |
| ⑤ | X-Element Guide | Stainless Steel SUS304 | 1.4301 | AISI304 |
| ⑥ | Spring Clip | Stainless Steel SUS304 | 1.4301 | AISI304 |
| ⑦ | Screen | Stainless Steel SUS304 | 1.4301 | AISI304 |
| ⑧ | Cover Gasket | Fluorine Resin PTFE | PTFE | PTFE |
| ⑨ | Nameplate | Stainless Steel SUS304 | 1.4301 | AISI304 |

* Equivalent materials



Dimensions

● **LA13L**
Screwed

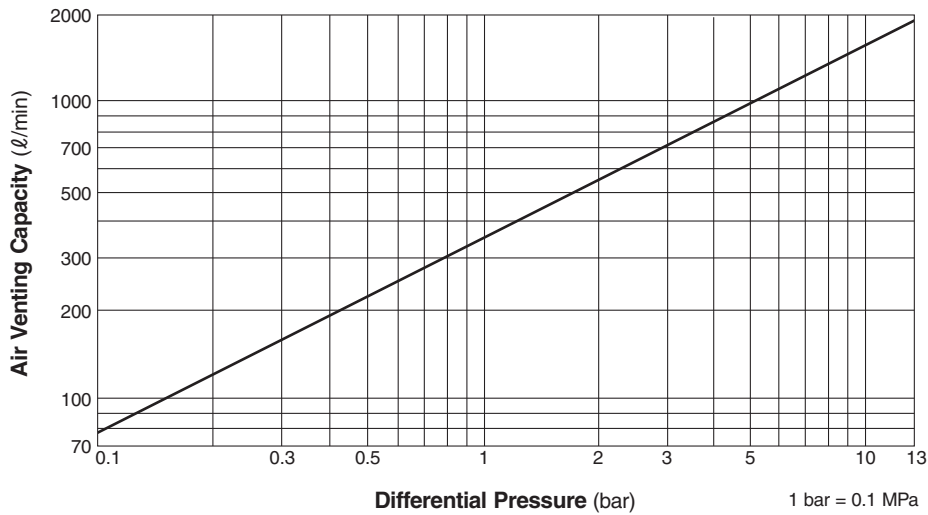


LA13L Screwed* (mm)

| Size | L | H | ϕW | A | B | Weight (kg) |
|------|----|----|----------|----|----|-------------|
| 1/2" | 64 | 70 | 52 | 20 | 38 | 0.5 |
| 3/4" | 66 | 77 | | 27 | 40 | |

* BSP DIN 2999, other standards available

Air Venting Capacity



1. Differential Pressure is the difference between the inlet and outlet pressure of the air vent.
2. Capacities are equivalent capacities of air at 20 °C and atmospheric pressure.

Manufacturer

ISO 9001/ISO 14001

TLV CO., LTD.
Kakogawa, Japan

is approved by LRQA Ltd. to ISO 9001/14001

