

AIR ELIMINATOR

The cleaner
solution to
air removal.



OVERVIEW

The TrueClean® Air Eliminator is designed to safely and effectively remove air from process lines without allowing product to escape. The unique sealing action provides a cleaner alternative to similar automatic air-relief valves. Proper air removal also ensures equipment and instrumentation functions properly.

FEATURES

- 316L stainless steel construction
- Compact and easy to install
- Tri-Clamp® connection to process line
- Out of system air relief
- No springs
- Easy to remove and clean
- O-ring seal to prevent leakage
- Conforms to 3-A Sanitary Standard 58-02

APPLICATIONS

- Entrained air removal
- Prevents product leakage
- Air lock eliminator
- Protects other air sensitive systems

MADE IN THE USA

 TrueClean®

AIR ELIMINATOR



MATERIALS

- Body: 316L Stainless Steel
- Ball: Polypropylene
- Elastomers: Viton or EPDM

SPECIFICATIONS

- Max pressure: 145 psi
- Max temp: 194°F
- Ball density: 0.033 lbs/in³

ITEM NUMBER CONFIGURATION

TAE-15M-SFY-316L

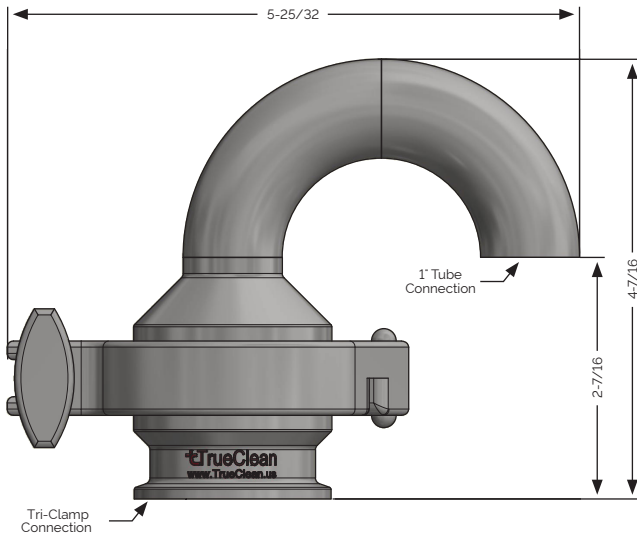
CONNECTION SIZE: 15-1'-1.5" / 20-2"

ELASTOMERS: SFY-VITON / E-EPDM

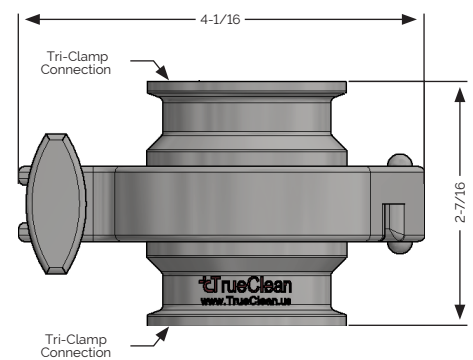
CONNECTION TYPE: M-TRI-CLAMP® / G-GOOSENECK

MATERIAL: 316L STAINLESS STEEL

GOOSENECK CONNECTION



TRI-CLAMP® CONNECTION



WORKING PRINCIPLE

The Air Eliminator is composed of a vent top clamped to a vent bottom with a freely moving polypropylene ball. The ball seals on the bottom or top seat dependent on process conditions.

In Figure A, the ball raises from the lower seal as air is released from the process line.

In Figure B, the ball, which is lighter than water, closes against the upper seal when encountering product. This seals product from escaping the vent. Once product pressure is not present, the ball resets to the lower position and seals against the lower o-ring, preventing air from entering the system.

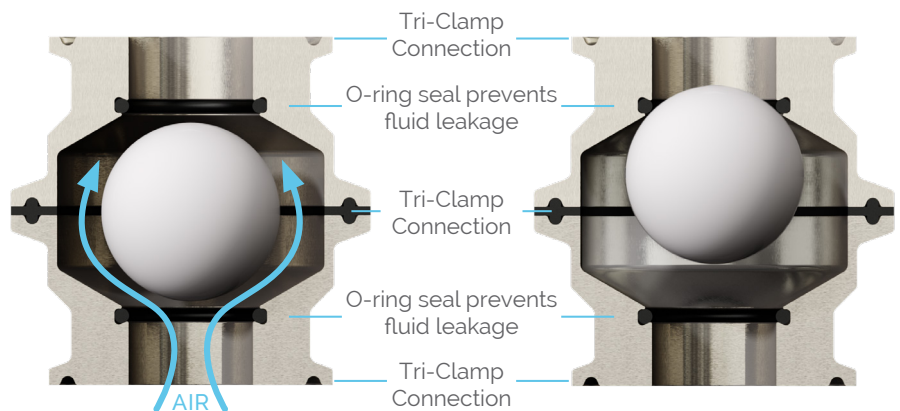


FIGURE A

FIGURE B



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