

AETE Filter Housing



Description

The AETE series filter housings are designed for the filtration of inert, non-toxic gas with flows up to 250 scfm/ 150 m³/h.

- Typical applications include Ar, N₂, He, and CDA
- Two bowl lengths available
- Flow rates up to 250 scfm/150 m³/h
- High pressure rating
- Cleaned and packaged in a cleanroom
- Accepts low pressure drop Code 7 cartridge (due to larger core diameter)

Specifications

Materials

- 316L electropolished stainless steel
- 16 µin / 0.4 µm R_a internal surface finish, or 10 µin / 0.25 µm R_a
- Fluorocarbon seal

Connections

- 1" Butt Weld (0.065" / 1.65 mm wall)

Bowl Sizes

- 10" / 254 mm, or 20" / 508 mm

Element Adapter

- Code 7 (226 double O-ring bayonet lock, finned element)

Closure

- Bolted Closure

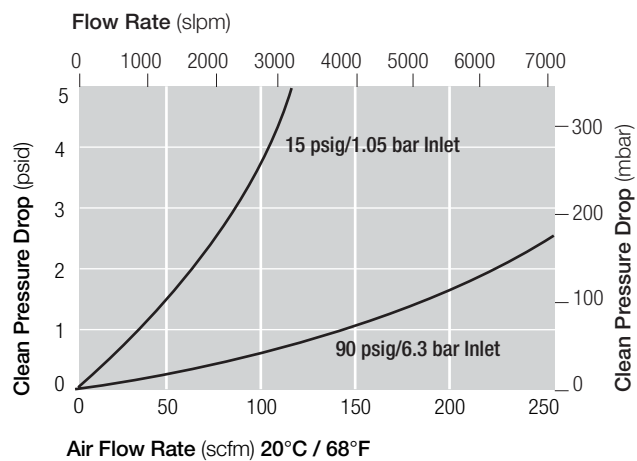
Operating Conditions

- Design Pressure 580 psig/40 bar
- Design Temperature 194°F / 90°C

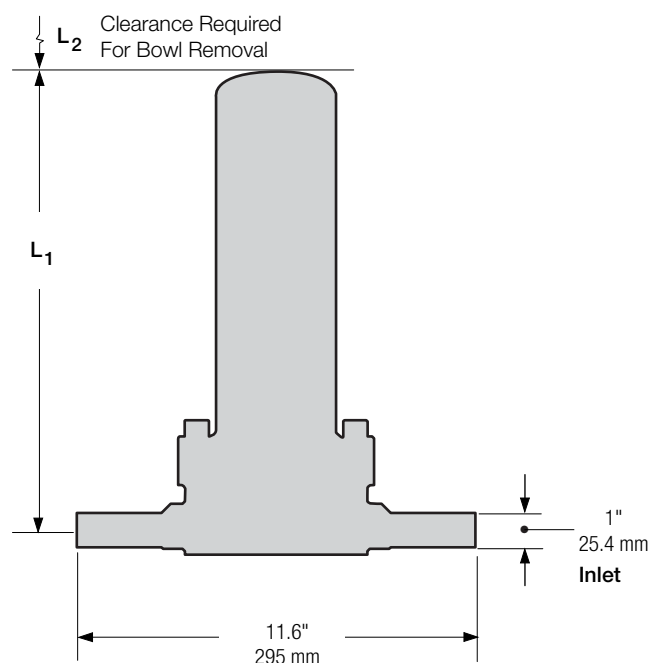
Leak Rating

- Helium Leak Tested to 1x10⁻⁷ atm·cm³/s

Pressure Drop vs. Gas Flow Rate



Dimensions



Part Numbers / Ordering Information

Part Number	Cartridge Length (in / mm)	L_1 (in / mm)	L_2 (in / mm)	Surface Finish (R_a) (μ in / μ m)
AETE11G7039-16	10 / 254	14.6 / 370	12.2 / 310	16 / 0.4
AETE12G7039-16	20 / 508	24.4 / 620	22.0 / 560	16 / 0.4
AETE11G7039-10	10 / 254	14.6 / 370	12.2 / 310	10 / 0.25
AETE12G7039-10	20 / 508	24.4 / 620	22.0 / 560	10 / 0.25

Unit conversion: 1 bar = 100 kilopascals