

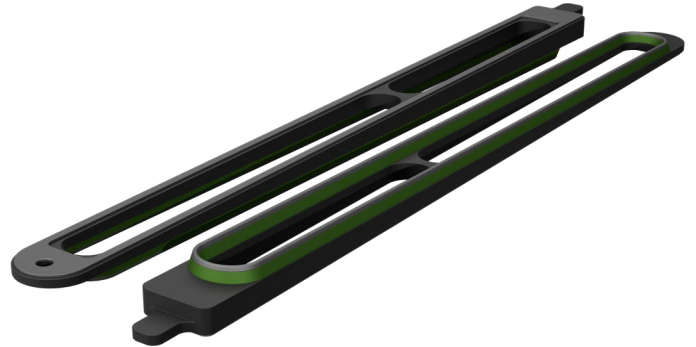
CHO-AIR® VITA 48.5 CHASSIS SEAL

Embedded Computing AFT Sealing Solution

[CHO-AIR®](#) is Chomerics' Air Flow-Through (AFT) chassis air seal product line for embedded computing. These compressible elastomeric gaskets create a leak tight interface between the chassis plenum and the module heat exchanger, isolating the cooling air path from electronics to enable reliable forced air thermal management in harsh environments.

CHO-AIR® employs a dual durometer elastomer stack with a 1 degree taper to promote even compression and consistent sealing and has a recommend deflection range of 0.008" to 0.030." The seal frame is aluminum with MIL PRF 8625 Type III, Class 1 hard anodize, and an FEP coating to reduce insertion/removal friction with the Plug In Module.

CHO-AIR is listed on [ANSI/VITA 48.5-2026 Standard](#) as a suggested source. Also available are the air seal retainer blocks, blanks, and orifice plate.



Product Features

- Designed to meet ANSI/VITA 48.5-2026 AFT mechanical and interface requirements
- Protects electronics from cooling air contaminated with moisture, dirt and/or salt
- High air-tight sealing performance across variable pressures and temperatures
- Available in both 0.175" and 0.375" widths with exhaust and inlet designs
- Easy installation and maintenance
- Not compatible with legacy ANSI/VITA 48.5-2010 (R2017)

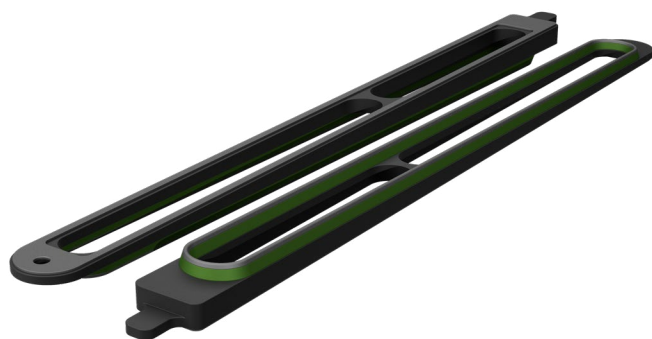
Typical Applications

- Embedded computing systems for AFT cooling
- Avionics and Flight Systems
- Radar and Surveillance Systems
- Command and Control Electronics
- Ground Vehicle and Weapon Systems



CHO-AIR® VITA 48.5 ORDERING INFORMATION

Inlet or Exhaust	Size, In	Seal	Blank	Seal Retainer	Orifice Plate
Exhaust	0.175	19-12-45362-0000	47000-B-175	47000-A	Custom
Inlet	0.175	19-12-45363-0000			
Exhaust	0.375	19-12-45364-0000	47000-B-375		
Inlet	0.375	19-12-45365-0000			



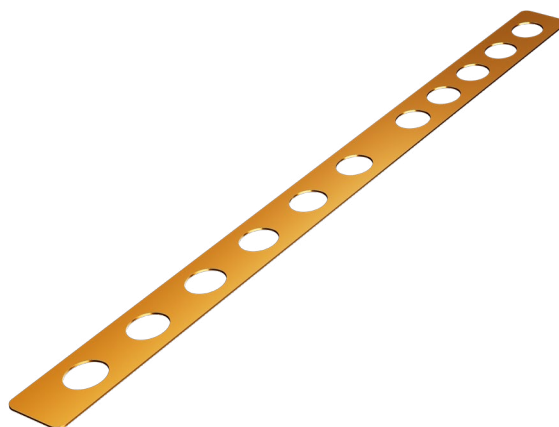
VITA Air Seal



VITA Blank Seal



Seal Retainer



Orifice Plate



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