

# Perimeter Trough for Heating and Cooling



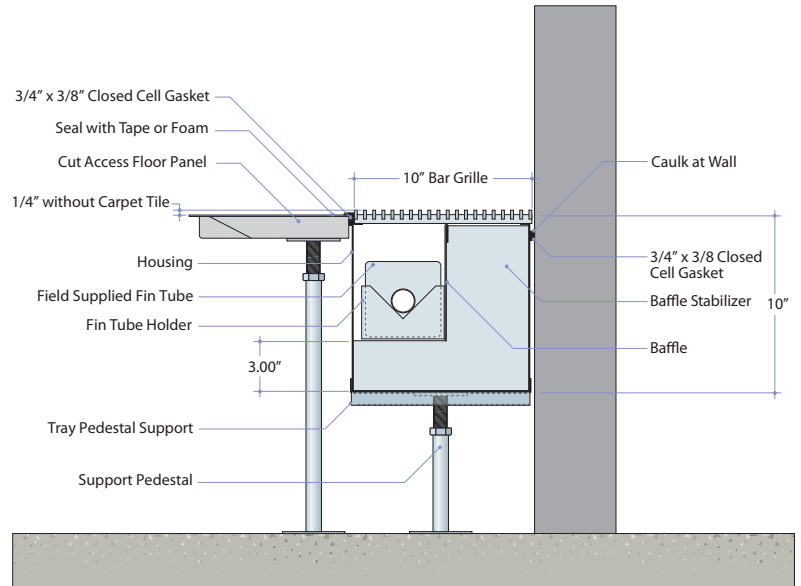
A Perimeter Trough provides a method to both heat and cool a building's perimeter within the same housing for maximum efficiency and plenum utilization.

The standard trough is designed to house a 4-1/4" field supplied fin tube for heating which directs a steady flow of warm air to the building's skin. The air is directed through an aluminum linear bar grille along the building perimeter. For optional cooling, the trough is available with flanged rectangular or circular openings for introduction of conditioned air. Custom configurations are available upon request but please be very specific in your requirements.

For ease of installation, the trough is self supported by standard flat head pedestals which are locked into position on the bottom of the housing. This allows the trough to be installed before the access floor is installed to facilitate plumbing and other contracting.

With the increased focus on underfloor air and indoor air quality, we are very excited about the opportunity to introduce new products such as this and further promote the use of underfloor air and access flooring.

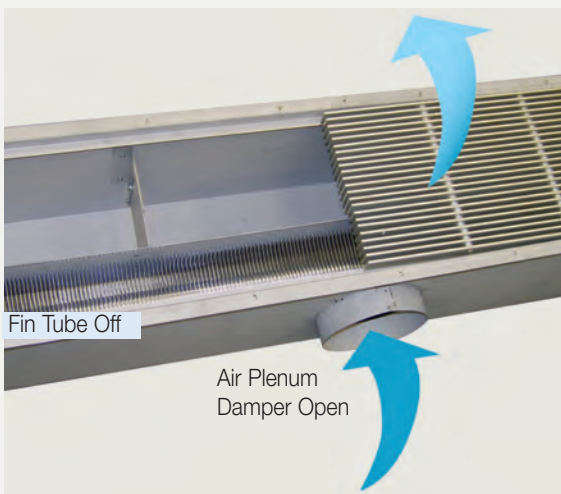
To receive more information on Tate's Perimeter Trough, in Canada please contact Tate's Technical Hotline at **800-231-7788** all other inquires should contact **Pedro Bermudez** at: **913-312-1100 ext. 310**, [pb Bermudez@airfixture.com](mailto:pb Bermudez@airfixture.com) or visit us online at: [www.tateaccessfloors.com](http://www.tateaccessfloors.com)



### Tate's Perimeter Trough Features:

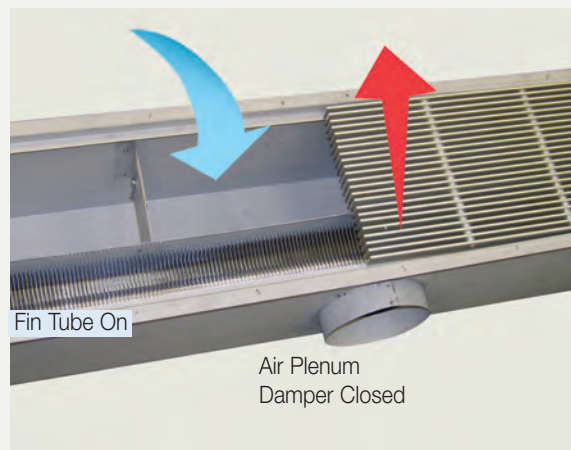
- Both heating and cooling capabilities
- Attractive Liner bar grill around perimeter
- Self supporting pedestal
- Quick easy installation
- Accommodates hot water or electric fin tube heating
- Allows for underfloor plenum VAV or cold water cooling

### Perimeter Trough Style Unit (cooling mode)



The trough style unit is designed to deliver both cooling and heating to the space. In cooling mode, the dampers open to allow conditioned air to exit out of the linear bar grill.

### Perimeter Trough Style Unit (heating mode)



The trough style unit is designed to deliver both cooling and heating to the space. In heating mode, the dampers close and the fin tube energizes and heats up. The cool air from the perimeter glass travels down one side of the trough and warm air moves out into the space through the other side of the trough.