

THE CLEAR CHOICE IN GREASE DUCTS



ZERO CLEARANCE GREASE DUCT AND INTEGRAL FIRE-RATED CHASE



- 3" & 4" Wall Thickness
- High Temperature Blanket Insulation
- 5" to 36" I.D. Diameters
- Smaller Footprint with 3" Wall
- Lighter Weight
- 2-Hour Fire Rating
- Limited Lifetime Warranty



Z-Clear™ is the most innovative factory-built kitchen grease duct in the industry. With a zero clearance rating, our integrated chase construction sets the standard for design.

Available in both stainless and aluminized steel exteriors, Z-Clear™ can be customized to your unique application requirements. Z-Clear™ is the clear choice for new restaurant construction or retrofitting future expansions or modifications.



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UL Listed per UL1978
UL Classified per UL 2201
IMC, UMC and NFPA96 Code Compliance



ZERO CLEARANCE GREASE DUCT AND INTEGRAL FIRE-RATED CHASE

INTEGRAL CHASE

No longer will architects or contractors need to design and install a fire-rated chase to provide protection as required for welded steel or other grease duct designs. The Z-Clear system helps reduce floor space requirements (fig. 1) and additional time and costs associated with constructing an on-site fire chase (fig. 2).

SETTING THE STANDARD

Z-Clear meets the following stringent codes and standards:

CERTIFICATIONS

Model	UL1978	UL2221	ASTM-E2336*
Z3/ZC	Yes	Yes: 2 Hr	Yes: 1 Hr
Z4/ZC+	Yes	Yes: 2 Hr	Yes: 2 Hr

*ASTM E2336 is only code required for field applied grease duct enclosures (i.e. grease duct insulation wraps applied to field fabricated grease duct)

PERFORMANCE

Energy efficiency and overall performance are greatly improved with round grease duct designs due to less flow resistance. In addition, round systems are much easier to clean and reduce the opportunity for grease accumulation in the corners, like rectangular systems, increasing the risk of fire.

SIMPLICITY

Almost no slope is required on horizontal runs of Z-Clear. Carbon steel duct systems require a 1/4" drop per 1 foot of ducting for proper contaminant drainage. *Example: A 40ft. horizontal run of AMPCO's Grease Duct would require 10 inch less headroom than a typical field fabricated system.*

DESIGN SERVICES

The modular concept of factory-built grease duct provides for maximum design flexibility and ease of installation. Just ask for Z-Clear when utilizing your design services engineer for a complete system layout. The AMPCO engineering staff provides design services for special product applications and for installations requiring complex routing or unusual manifold systems.

Grease Duct "Footprint" – 24" I.D. Z-Clear™ vs. 12"x36" Fabricated Welded Steel

fig. 1

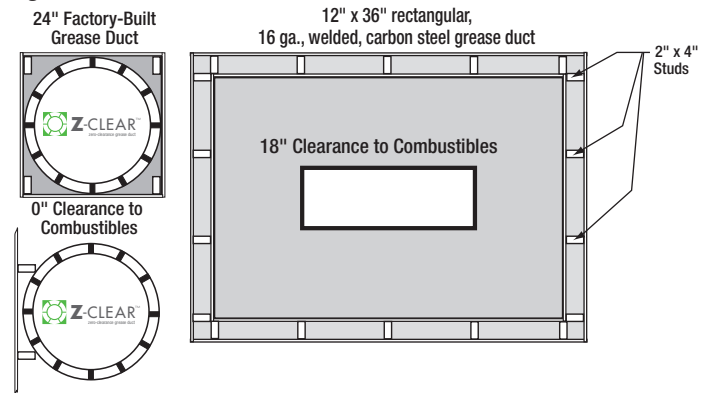
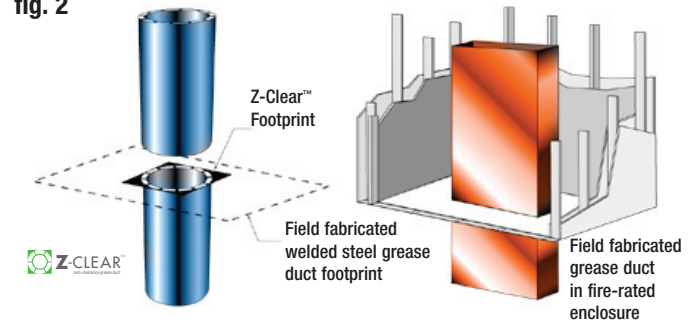


fig. 2



Comparison of wrapped, welded steel and Z-Clear™ after 2000°F (simulated grease fire) for 30 minutes.



Z-Clear™ after 2000°F (simulated grease fire) for 30 minutes.

12"x 36" rectangular, 16 Ga., welded, carbon steel duct with generic "wrap" insulation – after 2000°F (simulated grease fire) for 30 minutes.

THE CLEAR ADVANTAGE

- Better flow characteristics
- Prefabricated/modular design
- Superior safety and high temperature resistance
- Stainless steel maintains strength at much higher temperatures than carbon steel
- Cylindrical duct systems are far superior structurally compared to rectangular ducts
- Limited Lifetime Warranty



Z-CLEAR™
zero-clearance grease duct



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