

NEW PRODUCT

METALBESTOS®



ZERO CLEARANCE GREASE DUCT FIRE-RATED INTEGRAL CHASE

"The Clear Choice."



- Zero clearance to combustibles
- 2-hour fire resistance rating
- Eliminates need for separate fire-rated enclosure around duct

FEATURING:

- 3" Wall Thickness
- High Temperature Blanket Insulation
- 5" to 36" Inside Diameters
- Smaller Footprint
- Lighter Weight

ZeroClear™ 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 and is the future for all kitchen grease duct installations.

ZeroClear™ broadens our already extensive range of grease duct product offered in models from single wall model G (UL Listed with fire-rated wrap) to our PS and IPS C1, C2 and C4 product lines.



UL Listed per UL1978
UL Classified per UL 2221
NFPA96 Code Compliance

SELKIRK
METALBESTOS®



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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 ZeroClear system helps reduce floor space requirements (fig.1) and additional time and costs associated with constructing an on-site fire chase (fig.2).

Grease Duct "Footprint" – 24" I.D. ZeroClear™ v.s. 12"x36" Fabricated Welded Steel

22" ID ZeroClear Grease Duct



0" Clearance to Combustibles



12" x 36" rectangular, 16 ga., welded, carbon steel

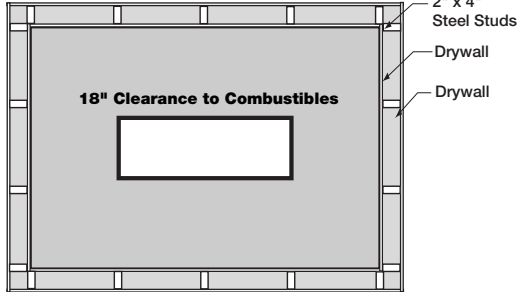


fig. 1

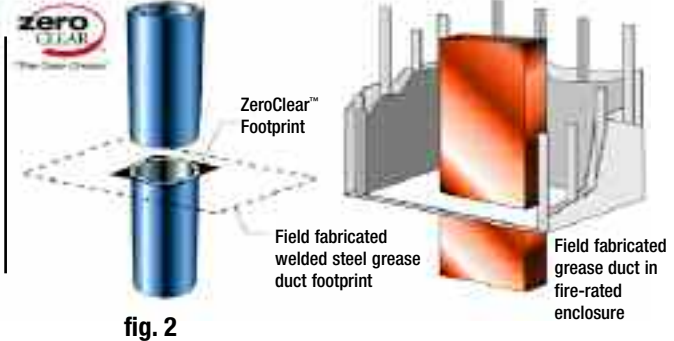


fig. 2

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



12"x36" rectangular, 16 Ga., welded, carbon steel duct with generic "wrap" insulation – after 2000°F (simulated grease fire) for 30 minutes.



24" ZeroClear™ after 2000°F (simulated grease fire) for 30 minutes.

SETTING THE STANDARD

ZeroClear meets the following stringent agency requirements:

- **UL1978** – Standard for Grease Ducts – 2000° test
- **NFPA96** – Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations
- **UL2221** – Standard for Tests of Fire resistive Grease Duct Enclosure Assemblies
- **ASTM E-2336** – Standard Test Methods for Fire Resistive Grease Duct Enclosure Systems – 1 hour (max) rating with ZeroClear – 2 hour (max) rating with ZeroClear Plus

PERFORMANCE

Velocity and draft 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 duct fires that might start in the corners of a welded square duct system.

SIMPLICITY

Almost no slope is required on horizontal runs of ZeroClear. Carbon steel duct systems require a 1/4" drop per 1 foot of ducting for proper contaminant drainage. Example: A 40ft. horizontal run of Selkirk'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 ZeroClear when utilizing your design services engineer for a complete system layout. The Selkirk engineering staff provides design services for special product applications and for installations requiring complex or unusual manifold systems.

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**



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