

DESIGN CHECKLIST

Coffee Roaster

GREASE DUCT

Request for:

- Budget Quote
- Final BOM, CAD, Submittal & Install Drawings
- Revision Required
- Previous Rfq # _____

Requested by:

Our team strives to maintain standard turn-around time for quote requests at 48 hours. Urgent requests will be fulfilled pending work load and the order in which request was received.

- Standard
- Urgent _____
(Enter date and time [eastern])
- Other _____
(Enter date)

Project Info:

Project Name: _____
 Your Name: _____
 Quick Contact Info: Phone Or Email _____

System Sketch Provided:

- Specification & Scanned Mechanical Plans w/ Elevations
- Hand Drawing – Center Line Dimensions, Route, Lengths & Diameters
- Parts List Only -

Product Description & Duct Type:

Exhaust Temperature: _____ **Is there an Afterburn?**
 YES NO

Materials (Inner Wall / Outer Wall)

Zero Clearance: UL 2221 (2-hr Fire Rating)	Double Wall: UL 1978	Single Wall:
304 / Galvalume	304 / Galvalume	304
316 / Galvalume	316 / Galvalume	316
304 / 304	304 / 304	
316 / 304	316 / 304	
		Not Sure

Venting Connection

Direct Connect Collared Flanged (provide details) _____

Clearance to Combustibles: Reference Table on Page 2

Insulation Required

Zero Clearance (2-hr Fire Rating) Single Wall 1" 2" Air 4" Not Sure

Submitting: Send To layouts@securitychimneys.com - You Will Receive A Confirmation Email.



GREASE DUCT

Coffee Roaster

For Reference: Product Options based on Clearance to Combustibles.

Building Heating Appliance & 1400°F Chimney:

TABLE 1 - PRESSURE STACK Clearances to Combustibles Minimum Air Space CLEARANCE to Unenclosed Combustible material and building insulation for 1400°F (760°C) continuous temperature.			
Duct Model	Flue Diameter Ø (in)	Clearance to Combustible (in)	Clearance to Non-Combustible (in)
SCL (1000°F)	Ø5 to Ø36	18	0
SCL (1400°F)	Ø5 to Ø36	36	0
CAX1	Ø5 to Ø6	4	0
	Ø7 to Ø14	5	0
	Ø16 to Ø22	6	0
	Ø24 to Ø30	7	0
	Ø32 to Ø36	8	0
CIX1 (UL 103 Type HT Ø5 to Ø24 only)	Ø5 to Ø6	1	0
	Ø7 to Ø14	2	0
	Ø16 to Ø22	3	0
	Ø24 to Ø30	4	0
CIX2 & CIX4 (UL 103 Type HT Ø5 to Ø24 only)	Ø5 to Ø14	1	0
	Ø16 to Ø30	2	0
	Ø32 to Ø36	3	0

Dimensions are in inches

Grease Duct Application:

TABLE 2 - GREASE DUCT UL-1978 and UL-2221 (CIX3Z only) Clearances to Combustible (Unenclosed Surrounding) Minimum Air Space Clearances to Combustible material and Building insulation for 500°F (260°C) continuous temperature grease duct system.			
Duct Model	Flue Diameter Ø (in)	Clearance to Combustible (in)	Clearance to Non-Combustible (in)
SCL	Ø5 to Ø36	18	0
CAX1	Ø5	4	0
	Ø6 to Ø11	5	0
	Ø12 & Ø16	6	0
	Ø18 & Ø22	7	0
	Ø24 & Ø28	8	0
	Ø30 & Ø34	9	0
CIX1	Ø36	10	0
	Ø5 to Ø13	2	0
	Ø14 to Ø24	3	0
	Ø26 to Ø34	4	0
CIX2 and CIX4	Ø36	5	0
	Ø5 to Ø16	1	0
	Ø18 to Ø30	2	0
CIX3Z (UL-2221)	Ø32 to Ø36	3	0
	Ø5 to Ø36	0	0

Dimensions are in inches

Design Tips: What are the requirements?

Code: What is required? - just UL 1978 or UL 2221 2-hr Fire Rating

Clearance to Combustibles: Table Above

- Can you mix and match? (single wall, double wall, zero clearance)

Aesthetics

- Stainless Required – Superior Aesthetics
- Galvalume - must paint in saline or corrosive/industrial environments

Cost – When above requirements are met

- Galvalume, Single Wall, smaller diameter all less expensive

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