

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@duravent.com - You Will Receive A Confirmation Email.

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Coffee Roaster

For Reference: Product Options based on Clearance to Combustibles.

Building Heating Appliance & 1400°F Chimney:

TABLE 1 - Minimum Air Space CLEARANCE to Unenclosed Combustible Surroundings (adjacent to maximum of two walls).

Duct Model	Flue Diameter Ø (in)	Clearance to Combustible (in)	Clearance to Non-Combustible (in)
DCL*	Ø5 to Ø36	18	0
DAS1	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
DIS1 (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
	Ø32 to Ø36	5	0
DIS2 & DIS4 (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

*Building heating appliance only

Grease Duct Application:

TABLE 2 - Clearance to Combustible (Unenclosed Surrounding) (from the outer band) Grease Duct - UL 1978 (500°F)

Ø	DAS1	DIS1	DIS2 & DIS4	DCL
5	4	2	1	18
6	5	2	1	18
7	5	2	1	18
8	5	2	1	18
9	5	2	1	18
10	5	2	1	18
11	5	2	1	18
12	6	2	1	18
13	6	2	1	18
14	6	2	1	18
16	6	3	1	18
18	7	3	2	18
20	7	3	2	18
22	7	3	2	18
24	8	3	2	18
26	8	4	2	18
28	8	4	2	18
30	9	4	2	18
32	9	4	3	18
34	9	4	3	18
36	10	5	3	18

Dimensions are in inches

Note: Clearance to non combustible is 0" for all models and diameter

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