



Double Wall Insulated Round Duct

DESIGN NOTES

- ⇒ Double Wall Round Spiral Duct will be constructed of a perforated or solid inner shell, 1" fiberglass insulation & an outer pressure shell.
- ⇒ Duct will be of spiral lockseam construction, built to 2" s.p. SMACNA standards & fabricated from galvanized steel meeting ASTM-A653-96 standards.
- ⇒ Double Wall Round Fittings are fabricated with **solid inner shell** unless specified as perforated by the mechanical engineer.
- ⇒ Joint construction, unless otherwise specified, will be furnished with coupling slip-joint connections
- ⇒ All fitting ends will insert a minimum of 2" inside the mating duct.
- ⇒ All fitting seam connections will be spot-welded on 1" centers.
- ⇒ Perforations of inner-skin are 3/32" diameter, 23% open area.
- ⇒ Thermal conductivity is .27 @ 75° ambient temperature for 1" thick fiberglass insulation.
- ⇒ 2" and 3" insulation is also available and will be used based on detailed order sheets provided for fabrication.
- ⇒ Other materials available upon request.

***Note: Check to indicate variations from standard construction methods**

Double Wall Insulated Round Spiral Duct			
Outer Shell Dia.	Outer Shell Gauge	Inner Shell Gauge	
		Perforated	Solid
6 - 14	28	24	28
16 - 24	26	24	28
26 - 42	24	24	26
44 - 66	22	24	24
68 - 96	20	24	24

Double Wall Insulated Round Fittings			
Outer Shell Dia.	Outer Shell Gauge	Inner Shell Gauge	
		Perforated	Solid
6 - 14	28	22	28
15 - 18	26	22	28
19 - 24	24	22	26
25 - 42	22	22	24
43 - 60	20	22	24
61 - 96	18	22	20

Alternative Joint Connectors*

Dura Flange

Alternative Fitting Seam Construction*

Seam Welded

Alternative Inner Shell Material*

Perforated Galvanized Steel

Fitting Seam Sealant Available*

Seal Outside

Seal Inside

www.omniduct.com

Job Name: _____

Location: _____

Mechanical Contractor: _____

Job No: _____

Manufacturer : Omni Duct Systems, Toll Free (888) 444-DUCT (3828)

Date: _____