

**Industrial Fiberglass Specialties, Inc.**

521 Kiser Street  
Dayton, OH 45404-1641  
Tel: 937-222-9000  
Fax: 937-222-9020

**FRP Composite Duct  
Survey Form**

08-03-99

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FRP composite duct systems require considerable design and engineering input before they can be quoted. The questions shown below represent some of the pertinent information that is necessary for us to receive as part of our designing, costing, and quoting.

Date of inquiry: \_\_\_\_\_

Your inquiry number: \_\_\_\_\_

Inquiry submitted by (company): \_\_\_\_\_

Contact: \_\_\_\_\_

Your telephone number: \_\_\_\_\_

Your fax number: \_\_\_\_\_

Name of end user, or engineering firm (company): \_\_\_\_\_

Contact at end user: \_\_\_\_\_

End user's address: \_\_\_\_\_

End user's telephone number: \_\_\_\_\_

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[\_\_\_\_\_] Duct project name \_\_\_\_\_

[\_\_\_\_\_] Description of chemical service environment \_\_\_\_\_

\_\_\_\_\_

[\_\_\_\_\_] Maximum operating temperature.

[\_\_\_\_\_] Design temperature, if different than operating temperature.

[\_\_\_\_\_] Maximum operating pressure or vacuum.

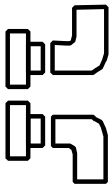
[\_\_\_\_\_] Design pressure or vacuum, if different than operating pressure or vacuum.

[\_\_\_\_\_] Is duct specified as contact molded, or filament wound, or both?

[\_\_\_\_\_] Is there any rectangular duct required on this project? (yes or no).

[\_\_\_\_\_] If yes, what rectangular sizes are needed?

[\_\_\_\_\_] Are there fan or blower detail sheets available?



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- Thickness of interior corrosion liner specified (mils).
- Thickness of exterior corrosion liner (mils), if specified.
- Minimum total wall thickness, as specified by customer.
- Type of resin specified for corrosion liner (generic class).
- Type of resin specified for structural wall (generic class).
- Color of pigmentation for exterior.
- Is fire retardancy required? (yes or no).
  - If yes, required ASTM E-84 flame spread rating (25, 100, or ?).
- Is low smoke generation and/or low smoke toxicity required? (yes or no).
  - If yes, maximum smoke rating (10 or 100 or ?).
- Are there any FRP dampers required?
  - Quantity/Size of Volume Control Dampers
  - Quantity/Size of Positive Shut-off Dampers
  - Quantity/Size of Rectangular Louver-type Dampers
- Is this duct to be factory pre-assembled into shippable spools or "loose"?
- Should we quote factory pre-assembly as an alternate?

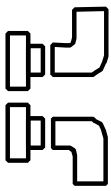
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Joining system specified (check one):

- Butt and strap weld joints.
- Bell and spigot adhesive joints.
- Flanged joints.
  - Bolt hole pattern required, or undrilled.

Type of fittings specified (check one):

- One piece sweep. Up to what size?
- Mitered. Beyond what size?



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[ \_\_\_\_\_ ] Is duct to be buried or installed above ground (see below)?

Hanger support spacing shown on drawings? [ \_\_\_\_\_ ] feet

Types of Hangers: \_\_\_\_\_

Material of Construction: \_\_\_\_\_

Types of Anchors: \_\_\_\_\_

Material of Construction: \_\_\_\_\_

Types of Guides \_\_\_\_\_

Material of Construction: \_\_\_\_\_

\*\*\*\*\*

Inside diameters of duct required (inches): \_\_\_\_\_

Fittings required (check all that apply):

[  ] Couplings - Diameters: \_\_\_\_\_

[  ] Socket Flanges - Diameters: \_\_\_\_\_

[  ] 90 deg. Elbows - Diameters: \_\_\_\_\_

[  ] 45 deg. Elbows - Diameters: \_\_\_\_\_

[  ] Reducing Branch Runs (Tees)\* - Diameters: \_\_\_\_\_

[  ] Concentric (conical) Reducers - Diameters: \_\_\_\_\_

[  ] Eccentric (flat on bottom) Reducers - Diameters: \_\_\_\_\_

[  ] Laterals\* - Diameters: \_\_\_\_\_

[  ] Round to Square Transitions - Diameters: \_\_\_\_\_

(\* = Single and double reductions available.)

Special fittings and accessories required (please describe): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_