STAINLESS STEEL
FANS AND BLOWERS
MANUFACTURED TO MEET YOUR SPECIFIC NEEDS

Industrial Air Technology Corp. — Customer Service: 989-731-5840, Fax: 989-732-1641 M – F 8:00 a.m.— 5:00 p.m. EST
www.indairtech.com
**SPECIFYING A FAN PACKAGE**

Industrial Air Technology, Corp. Stainless Steel Fan packages are designed for non-sanitary requirements where corrosion resistance is desired. These packages are ideal for wash down applications or to minimize contamination.

Surfaces and welds may include pits, scratches, crevices, and small pockets, which does not meet 3A and FDA sanitary compliance. When making finish selections, be aware that the higher the grade of finish, the more costly the package will be.

Four standard finish options are available both inside and outside of the air stream. These options allow for the selection of different finishes on the inside and outside of the air stream, depending on the application requirement.

**SELECTION PROCESS**

1. Carefully consider the requirements of your application
2. Determine what material you require (304 or 316)
3. Determine which package you require (Air Stream, Entire Fan, Accessory)
4. Determine the surface options for your applications.
   A. Surface finish (Standard, Plus, Deluxe)
      a-1. Inside the air stream finish option
      a-2. Outside the air stream finish option
   B. Surface treatment
      b-1. Inside the air stream surface treatment
      b-2. Outside the air stream surface treatment
5. Determine if passivation is required
6. Determine what options are needed
   a. Gasket material type
   b. Type of drain plug coupling (if required)
   c. Motor type - stainless or wash down (if required)
   d. Drive package - stainless or wash down (if required)
7. Determine what fan accessories are needed
8. Contact IATC or one of our qualified representatives for a quote.

**FAN PACKAGES**

**Entire Fan Package** Components made from stainless steel

- Housing
- Wheel
- Inlet cone
- Inlet Cylinder or Slip collar
- Shaft
- Shaft Guard (except arrangement 4)
- Hub
- Shaft seal cover plate
- Belt Guard (arrangements 1, 3, 9)
- Pedestal
- Motor Base (arrangements 1, 3, 9)
- Access Cover
- Drain Coupling

**Air Stream Package** Components made from stainless steel

- Housing
- Wheel
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**Surface Options**

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**SELECTION PROCESS**

1. Carefully consider the requirements of your application
2. Determine what material you require (304 or 316)
3. Determine which package you require (Air Stream, Entire Fan, Accessory)
4. Determine the surface options for your applications.
   A. Surface finish (Standard, Plus, Deluxe)
      a-1. Inside the air stream finish option
      a-2. Outside the air stream finish option
   B. Surface treatment
      b-1. Inside the air stream surface treatment
      b-2. Outside the air stream surface treatment
5. Determine if passivation is required
6. Determine what options are needed
   a. Gasket material type
   b. Type of drain plug coupling (if required)
   c. Motor type - stainless or wash down (if required)
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- Belt Guard (arrangements 1, 3, 9)
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**Surface Options**

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Four standard finish options are available both inside and outside of the air stream. These options allow for the selection of different finishes on the inside and outside of the air stream, depending on the application requirement.

**SELECTION PROCESS**

1. Carefully consider the requirements of your application
2. Determine what material you require (304 or 316)
3. Determine which package you require (Air Stream, Entire Fan, Accessory)
4. Determine the surface options for your applications.
   A. Surface finish (Standard, Plus, Deluxe)
      a-1. Inside the air stream finish option
      a-2. Outside the air stream finish option
   B. Surface treatment
      b-1. Inside the air stream surface treatment
      b-2. Outside the air stream surface treatment
5. Determine if passivation is required
6. Determine what options are needed
   a. Gasket material type
   b. Type of drain plug coupling (if required)
   c. Motor type - stainless or wash down (if required)
   d. Drive package - stainless or wash down (if required)
7. Determine what fan accessories are needed
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**FAN PACKAGES**

**Entire Fan Package** Components made from stainless steel

- Housing
- Wheel
- Inlet cone
- Inlet Cylinder or Slip collar
- Shaft
- Shaft Guard (except arrangement 4)
- Hub
- Shaft seal cover plate
- Belt Guard (arrangements 1, 3, 9)
- Pedestal
- Motor Base (arrangements 1, 3, 9)
- Access Cover
- Drain Coupling

**Air Stream Package** Components made from stainless steel

- Housing
- Wheel
- Inlet cone
- Inlet Cylinder or Slip collar
- Shaft
- Hub
- Shaft seal cover plate
- Access Cover
- Drain Coupling

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**Surface Options**

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**SPECIFYING A FAN PACKAGE**

Industrial Air Technology Corp. Stainless Steel Fan packages are designed for non-sanitary requirements with corrosion resistance in mind. These packages are ideal for wash down, cleaning, or similar applications or to minimize contamination. Surfaces and welds may include pits, scratches, crevices, and small pockets, which do not meet 3A and FDA-sanitary compliance. When making finish selections, be aware that the higher the grade of finish, the more costly the package will be.

Four standard finish options are available both inside and outside of the air stream. These options allow for the selection of different finishes on the inside and outside of the air stream, depending on the application requirement.

**SELECTION PROCESS**

1. Carefully consider the requirements of your application.
2. Determine what material you require (Stainless or Carbon Steel, Standard No finish spec – As fabricated).
3. Determine which package you require (Air Stream, Entire Fan, Accessory).
4. Determine the surface options for your application.
   - A. Surface Finish (Standard, Plus, Deluxe)
   - B. Surface Treatment
      - 1. Inside the air stream finish option
      - 2. Outside the air stream finish option
      - 3. Inside the air stream surface treatment
      - 4. Outside the air stream surface treatment
5. Determine if passivation is required.
6. Determine what options are needed.
   - a. Gasket material type
   - b. Type of drain plug coupling (if required)
   - c. Motor type - stainless or wash down (if required)
   - d. Drive package - stainless or wash down (if required)
7. Determine what accessories are needed.

**SPECIFICATIONS**

**Air Stream Package**
- Components made from stainless steel
  - Housing
  - Wheel
  - Inlet cone
  - Hub
  - Shaft seal cover plate
  - Belt Guard (arrangements 1, 3, 9)
  - Access Cover
  - Drain Coupling
  - Shaft Guard (except arrangement 4)

**Entire Fan Package**
- Components made from stainless steel
  - Housing
  - Wheel
  - Inlet cone
  - Hub
  - Shaft seal cover plate
  - Belt Guard (arrangements 1, 3, 9)
  - Access Cover
  - Drain Coupling
  - Shaft Guard (except arrangement 4)

**FAN PACKAGES**

**Surface Treatment**

- **Standard No finish spec – As fabricated**
  - Welds are polished to a 125 RA micro finish further improving the surface
  - Welds are ground to reduce surface imperfections typical of most welds
  - Welds may include pits, scratches, crevices, and small pockets
  - Welds are continuous to minimize crevices and reduce the risk of contamination
  - Welds are polished to a 125 RA micro finish further improving the surface
  - Welds are ground to reduce surface imperfections typical of most welds

- **Plus No finish spec – Continuous weld**
  - Welds may include pits, scratches, crevices, and small pockets
  - Welds are continuous to minimize crevices and reduce the risk of contamination
  - Welds are polished to a 125 RA micro finish further improving the surface
  - Welds are ground to reduce surface imperfections typical of most welds
  - Welds are polished to a 125 RA micro finish further improving the surface

- **Surface Treatment**
  - **Deluxe 250 RA micro finish**
    - Welds are polished to a 250 RA micro finish further improving the surface
    - Welds are ground to reduce surface imperfections typical of most welds
    - Welds are polished to a 250 RA micro finish further improving the surface
    - Welds may include pits, scratches, crevices, and small pockets

- **Premium 125 RA micro finish**
  - Welds are polished to a 125 RA micro finish further improving the surface
  - Welds are ground to reduce surface imperfections typical of most welds
  - Welds may include pits, scratches, crevices, and small pockets
  - Welds are continuous to minimize crevices and reduce the risk of contamination

**Passivation**

Passivation is a process that improves the corrosion resistance properties of components made of precipitation-hardened, austenitic, ferritic and martensitic steels. Passivation treatments improve the surface condition of stainless steel by dissolving iron that has been impregnated in the surface during forming or machining. If allowed to remain, the iron can corrode and give the appearance of rust spots on the stainless steel.