

## Breathing Air Compressor Design Questionnaire

**Customer:**

**Phone:**

**Contact Name:**

**E-mail:**

**Location:**

This questionnaire is designed to help our sales team come up with the best setup to suit you or your client's needs. Please fill it out to the best of your knowledge.

**If there are any answers you are unsure of you may leave them blank.**

If you would like to know more about a specific component or optional add-on, contact your sales rep and they will provide documentation and answer any questions you may have about it.

### Compressor Design:

Jordair offers a variety of frame styles and complete systems for every situation. Stationary vertical frames (Air-Kat, Fire-Kat, Ultra-Silent), Modular units which include air storage and fill station (Mini-Kat, and Integra), and portable units (Horizontal, Dive-Line). Each line has a variety of options and different sized models to suite your needs.

*(Note: Custom mobile trailer systems are also available upon request, contact a Jordair rep for more info)*

**1. What motor type is required for the compressor system?**

- Electric Single Phase  (208V and 230V available)
- Electric Three Phase  (208V, 230V, 460V and 575V available)
- Gas  (Only available on ECO-KAT & DIVE models)
- Diesel  (Only available on ECO-KAT models)

**2. Type(s) of bottles being filled: SCBA or SCUBA**

2216 PSIG  3000 PSIG  4500 PSIG  5500 PSIG  **(Check all that apply)**

**3. Estimated number of fills per week:\_\_\_\_\_**

**4. Other cylinders being filled if applicable:**

Size \_\_\_\_\_ Type \_\_\_\_\_ Pressure \_\_\_\_\_ PSIG Qty/week \_\_\_\_\_

**5. Desired Final Pressure: 4500 PSIG  5000 PSIG  6000 PSIG  6500 PSIG**

*(Note: Final compressor output pressure should be higher than the bottles being filled. Eg. 4500 for filling 2216... 6000 for filling 4500 etc.)*

- 6. **Desired SCFM flow-rate:** \_\_\_\_\_ **Is this a firm requirement?** Yes  No
- 7. **Is a fully enclosed Ultra-Silent\* frame required? (72 D.b.a @ 1 meter)** Yes  No   
*\*Not available for Dive-Line or Eco-Kat*
- 8. **Is the SECURUS filter moisture monitoring system required?** Yes  No
- 9. **Is an upgraded, higher capacity, filtration system required?** Yes  No
- 10. **Will the compressor be:** Stationary  or Mobile ?
  - a. **If mobile, where will it be mounted?** (Eg. Trailer, Boat, etc.) \_\_\_\_\_

**Air Storage:**

It is recommended that an air storage system be employed to avoid cycling the compressor continuously. The compressor can be configured to automatically top off the air storage as needed.

- 1. **Is an air storage system required?** Yes  No
- 2. **Required size of storage cylinders:**  
*(Note: This should be based on compressors final pressure)*  
 4500 PSIG TC/DOT  6000 PSIG TC/DOT   
 7000 PSIG ASME
- 3. **Number of Storage cylinders required:** \_\_\_\_\_
- 4. **Is a cascade bank valve system with gauges required?** Yes  No 
  - If so, please specify:**  
 Manual  or Automatic   
 3 Bank  or 4 Bank

**Fill Station for Fragmentation Protection:**

CSA standards for breathing air require SCBAs to be filled in a certified fill station for frag protection. All Jordair fill stations are third party tested, NFPA 1901 certified, and CSA compliant.

- 1. **Is a Fill Station required?** Yes  No
- 2. **How many SCBA cylinders need to be filled at one time?** (2, 3, 4, 6, 8, or 10) \_\_\_\_\_

- 3. Do you prefer the tilt-open or sliding door design? Tilt-Open  Sliding Door
- 4. Is dual/multiple pressure filling required? Yes  No
- 5. Is a remote/auxiliary fill point required? Yes  No

**System Location and design for installation:**

- 1. Will the compressor, air storage, and fill station be in the same room? Yes  No
- 2. Are separate components required or is a pre-assembled modular system preferred?  
Separate  Modular

**Additional notes:**

Are there any special environment conditions that may exist where the system is located?  
Example: excessive rain, snow, extreme temperatures, chemical contaminants,  
manufacturing vapours, extreme dust, etc.:

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Please provide any additional information in the Notes section below:

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