

BREATHING AIR COMPRESSOR SYSTEM DESIGN QUESTIONNAIRES

Low Pressure Air System-150psi maximum

- What type/brand of respirator and pressure range is to be used?
 Constant Flow _____ psi
 (requires 4-15cfm per user)
 Pressure Demand _____ psi
 (requires 4-15cfm per user)
 - How many users will be on the system at any one time? _____
 - Do you anticipate adding additional workers _____ or pneumatic devices _____ to this system now or in the foreseeable future?
 Explain what type of devices, e.g., vortex tubes, air vests, or pneumatic tools are to be used. _____
 - Will a remote air outlet manifold (point-of-attachment) be required?
 yes _____ no _____
 Number of outlets desired per manifold _____
 Number of portable manifold units required _____
 Number of fixed manifold units (wall mounted) _____
 Respirator Couplings required (size/make) _____
 - Is the entire air system to be portable _____ or fixed _____?
 Explain: _____
 - Are any of the system users going to be working under IDLH conditions?
 yes _____ no _____
 Do you need to have an automatic reserve air system installed to provide additional egress air for those workers? Yes _____ No _____
 - What power service is desired for the compressor system?
 Gasoline _____ Diesel _____ Electric: 230/1 _____
 230/3 _____ 460/3 _____ other _____ Hertz _____
 - Will an audible and/or visual remote alarm system be required?
 yes _____ no _____
 Is standard electrical _____ or explosion-proof _____ rating required for the remote devices?
 Are the alarms to be designed for electrical conduit wall mount installation?
 yes _____ no _____
 - Will the system be permanently located indoors _____ or outdoors _____?
 Are there any special environmental conditions that may exist where the system is located, e.g., rain, chemicals, vapors, dust, etc.? _____

- Comments: _____

High Pressure Air System-6000psi maximum

Compressor

- Do you need a portable _____ or fixed _____ compressor system?
- Do you need electric _____ gasoline _____ diesel _____ engine drive?
- Available current: voltage _____, phase _____, amps _____, hertz _____?
- What is the maximum SCBA fill pressure (psi) desired,
 2216 _____ 3000(SCUBA) _____
 4500 _____ 6000 _____
- What is the maximum number of SCBA cylinders to be filled per day(per use) _____?
- What compressor output flow do you desire(if known)? _____ CFM.
- Is an extended service life filter system upgrade desired?
 yes _____ no _____
- Do you want a CO monitor(w/calibration kit) installed?
 yes _____ no _____
- Do you want a high CO alarm to shut down the compressor during filling?
 yes _____ no _____ (To prevent contamination of all stored air).

Air Storage

- Are you purchasing an air storage system _____ or using existing cylinders _____?
- Do you need a vertical _____ or horizontal _____ storage cylinder rack?
- Do you need high pressure flexible whips _____ or rigid stainless tubing _____?
- How many air storage cylinders do you want for your rack system _____?
- Within what state will this system be used _____?

Fragmentation Fill Station

- Do you need a standard _____ or containment _____ fill station? None required _____.
- If none, what length fill whip is required _____?
- Do you want to bulk _____ fill or cascade _____ fill at the station?
- Do you want a wall mounted _____ or station mounted _____ fill control panel?
- Do you need safety fill adapters? yes _____ no _____
 What set pressure? _____ psi
- How many SCBA cylinders would you like to fill simultaneously? _____

Restrictions

- Are there any special environmental conditions? _____
 - Specify approximate budget allocated for your system: _____
 - Any special enclosure or trailer requirements? _____
- Comments: _____

PLEASE COPY THIS FORM AND FAX TO OUR CUSTOMER SERVICE DEPARTMENT. THIS FORM IS ALSO AVAILABLE ON OUR WEB SITE AT: www.airsystems.cc. FILL OUT AND E-MAIL DIRECTLY TO OUR SALES DEPARTMENT. WE WILL MAKE OUR RECOMMENDATIONS AND PROVIDE AUTOCAD DRAWINGS OF OUR PROPOSED SYSTEM.

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