

FILL PANEL INSTRUCTION & OPERATION HANDBOOK



WARNING!

HIGH PRESSURE UNITS

Under no circumstances should the fill stations be operated with the safety relief valves removed and plugged, or adjusted above the factory set range.

Tampering with relief valves can result in an “Explosion Failure”

High pressure air has Tremendous Kinetic Energy and should be treated with the utmost caution.

GENERAL INFORMATION

MODELS J-6000-DRC/DR/MR/SR WALL MOUNTED FILL PANELS

This manual covers the operation of the standard designs of the Jordair fill panels. This includes wall mounted panels. Some of the custom options are included in this operation manual. Due to the program of product improvement at Jordair, older models may not include all of the listed features.

GENERAL TECHNICAL INFORMATION

When the recharging station is delivered with the optional dual filling for 2216 and 4500 PSIG SCBA cylinders the 2216 PSIG SCBA fill assemblies are protected by a safety relief valve set at 2650 PSIG to ensure safe refilling. When a SCUBA fill point is included in a SCBA fill station this is also protected with a safety relief valve. Stations operating with a 6000 PSIG compressor and storage system have a safety valve set at 4750 PSIG to protect 4500 PSIG SCBA cylinders.

CAUTION!

Never attempt to repair or tighten leaking fittings while the system is pressurized. Always perform service and repair work on a fully depressurized system.

J-6000 SERIES FILL PANELS



Jordair QC Program

- ISO 9001:2008 Cert. 97-544
- CSA Cert. No. LR77799
- CRN Pressure Components
- B&PV Licence MA-2007

WALL MOUNTED & PORTABLE SCBA FILLING PANELS & REGULATOR PANELS

| MODEL | NO. OF FILL POINTS | FILL TYPE | FILL PRESSURE | WEIGHT | SIZE (CM) H x D x W |
|-------------|--------------------|------------|----------------------------------|--------|------------------------|
| J-6000-DR | 3 | SCBA/SCUBA | 2216/3000/4500 SCBA, 3000 SCUBA | 24 KG | 37 x 17 x 76 |
| J-6000-DRC | 3 | SCBA/SCUBA | 2216/3000/4500 SCBA, 3000 SCUBA* | 29 KG | 37 x 17 x 91 |
| J-6000-MR | 2 | SCBA | 2216/3000/4500 PSIG | 18 KG | 37 x 17 x 61 |
| J-6000-SR-2 | 1 | SCBA | 2216/3000 PSIG | 13 KG | 37 x 17 x 31 |
| J-6000-SR-3 | 1 | SCUBA | 3000 PSIG | 13 KG | 37 x 17 x 31 |
| J-6000-SR-4 | 1 | SCBA | 4500 PSIG | 13 KG | 37 x 17 x 31 |

*Comes standard with 3 bank cascade valves and gauges

WALL MOUNTED FILLING PANEL

MODELS: J-6000-DRC / DR / MR / SR

It is recommended that all regulator panels be used with some form of containment for the SCBA cylinders being recharged. On regulator panels supplied with more than one fill point (e.g. 2216, 3000, 4500) the two lowest pressures are protected by safety relief valves. When a 6000 psig compressor or storage system are used then the 4500 psig fill point must be protected by a safety relief valve. The J-FT Series containment system is an ideal unit to include with a fill panel.

REGULATOR PANEL OPERATION – 2216 / 3000 / 4500 PSIG FILLING

1. Pressurize the station by opening the filling station shut-off valve. The air supply will be coming from the compressor or the storage bank.
2. Verify the system pressure after opening the station inlet shut-off. The pressure will be indicated on the 4" inlet gauge to the regulator.
3. To set the downstream pressure for recharging, turn the control knob on the regulator clockwise until the regulator outlet gauge shows the desired filling pressure (for example 2216, 3000 or 4500 psig). The panel mounted SCBA fill valves remain closed.
4. When dual filling pressures are specified the yellow fill hoses are for the 2216 psig, the green hoses are used for the 4500 psig filling and the blue fill hoses are for SCUBA.
5. Connect the 2216 / 3000 or the 4500 psig recharging adaptor to the cylinder to be refilled. Close the adaptor bleed valve and open the SCBA /SCUBA valve on the cylinder to be filled.
6. Select and open the control valve to the cylinder or cylinders being filled. An orifice to prevent the cylinders from filling too quickly and overheating controls the fill rate.
7. When the cylinder reaches the correct filling pressure, close the panel mounted control.
8. Close the SCBA cylinder valve. Open the bleeder to bleed the high-pressure air between the fill valve and the SCBA cylinder valve and disconnect the recharging adaptors from the SCBA cylinder. Filling is now completed.

FOOTNOTE: For Filling Panels supplied with cascading valves for the air storage system, please follow the following cascading procedure:

Open cascading valve on bank #1 and start filling SCBAs. When the pressure equalizes below desired fill pressure: close valve on bank #1 and open valve on bank #2 to top off SCBAs. When next set of SCBAs are loaded for filling, fill as much as possible from bank #1 and top off with bank #2. Keep repeating this process until bank #2 pressure drops below desired filling pressure. Now, first fill from bank #1 as much as possible, then from bank #2 as much as possible and then top off from bank #3. Keep repeating this process until bank #3 pressure drops to SCBA filling pressure.

In this procedure at the end of the filling process bank #1 will be well depleted, bank #2 will be fairly depleted and bank #3 will be at SCBA fill pressure. This way maximum volume of air is used from the storage system to fill extra SCBAs.

To refill air storage system open all banks and the compressor will refill the storage cylinders.