

OPERATING INSTRUCTIONS FOR PORTA-DRY MODEL PD48-300-4W832-CDAD:

- 1) **Caution / Danger:** Maximum air pressure to supply to the Model PD48-300-4W832-CDAD, Porta-Dry; Portable Compressed Air Drying & Filtration Unit is **150 PSI**. Maximum temperature NOT to exceed is **110 Degree Fahrenheit**. Make sure that the air source you are hooked up to has a pressure regulator in-line and set to LESS than 150 psi. Your PD48-300 is capable of effectively drying / filtering compressed air flow up to 300 CFM. NOTE: There is a pressure relief valve set to pop-off (bleed down air pressure) at 200 PSI and is installed before the water separator (rated at 200 PSI Max PSI). Set the pressure regulator, located after the water separator, at 125 PSI or lower to protect the remaining components against excess pressure.
- 2) Before hooking the Porta-Dry, Portable Compressed Air Drying & Filtration Unit, up to a compressed airline make sure to safely open the compressed airline valve you are going to use to clear the airline of bulk water or debris that may have condensed down into the airline. If you will be utilizing an AIR RECEIVER tank in position before the Porta-Dry please drain the receiver tank before using the compressed air supply line. This will help reduce the amount of bulk water entering the Porta-Dry unit from your supply-side air system.
- 3) Before hooking up the Porta-Dry to an active compressed airline make sure to inspect the Porta-Dry inlet and outlet valve connections to make sure they are all set to the OFF position.
- 4) Hook up your compressed airline to the Port-Dry INLET valve fitting and inspecting the valve to compressed airline fitting connection to make sure it is has been properly connected and safe to use. Install proper locking pins / safety clips (if applicable) designed to safely secure the ball valve fitting to airline fitting connection. For maximum drying performance and to ensure adequate flow rate use a compressed airline / hose that is at least 1" to 1.5" NPT. If you use a smaller inlet airline/hose then you will be restricting the flow to you're the pneumatic driven motors/equipment you are wanting to operate.
- 5) Hook up your compressed airline to either the BYPASS COMPRESSED AIR OUTLET DRY SERVICE AIR OUTLET or the COMPRESSED AIR OUTLET DESICCANT TREATED INSTRUMENT AIR. Inspect the outlet valve fitting to compressed airline fitting connection to make sure it has been properly connected and safe to use. Install proper locking pins/safety clips designed to safely secure the ball valve fitting to airline fitting connection. Check to make sure that both Porta-Dry compressed air outlet valves are in the OFF position before turning on your compressed airline.
- 6) We suggest that if multiple pneumatic tools will be operating off of the Porta-Dry unit that you hook up a 1" to 1.5" NPT OUTLET/Supply-Side airline to an in-line AIR MANIFOLD with multiple outlets. You will then be able to run multiple individual airlines from the air manifold to several pneumatic driven tools simultaneously. Try to use 3/4", or larger, diameter airline/hose to maintain your flow to your equipment/tooling.
- 7) Turn the Porta-Dry Inlet air valve to the ON position. CAUTION: Make sure the **PRESSURE REGULATOR** inside the Porta-Dry enclosure is set between **90 & 125 PSI**. Open up the Porta-

Dry Outlet air valve (either the “Dry Service Air” or the “Desiccant Treated Air” valve). You are now supplying dry air to your pneumatic tooling/equipment! CAUTION: Make sure to open the Porta-Dry enclosure doors and check for air leaks (NOISE) coming from any of the drains, components or associated piping. If you do not hear any leaks then you are safe to proceed. If you do hear a leak then check your owner’s manual (Included and located inside the Porta-Dry) for instructions on how to proceed.

- 8) When you are NOT using the Porta-Dry make sure to:
 - A) Shut off air supply
 - B) Shut off/close the main Porta-Dry unit inlet air valve.
 - C) RELIEVE (BLEED DOWN) the air pressure from the entire Porta-Dry system by safely opening the outlet air valve(s). Also make sure that your air manifold and tail hoses leading to your pneumatic equipment has also been bled down.
 - D) Safely disconnect all inlet and outlet airlines/hose.
 - E) Once the Porta-Dry unit has been disconnected open all inlet and outlet air valves to make sure that all air pressure is definitely released. Now you can store your Porta-Dry away for future use.

INSTRUCTIONS FOR SERVICING AND/OR CHANGING OUT DESICCANT ELEMENT IN DRYER/FILTER TOWER UNIT, PARTICULATE FILTER ELEMENT OR SERVICING WATER SEPARATOR:

WARNING – BEFORE SERVICING Porta-Dry FILTER DRYER DESICCANT TOWER UNIT, WATER SEPARATOR OR PARTICULATE FILTER:

- 1) Shut off air supply by closing main Porta-Dry Unit inlet air valve.
- 2) Relieve (bleed down) the air pressure from the entire Porta-Dry system by safely opening the outlet air valve.
- 3) BEFORE removing filter / dryer lid open drain valve on bottom of filter / dryer unit housing to make sure all air pressure is gone from the unit.
- 4) NOTE: Please refer to installation instructions for CD832NRE dryer/filter desiccant bag, filter pad and replacement gasket kit change-out included with your Porta-Dry Operating Instructions.
- 5) NOTE: To service the F602-12WGR Particulate Filter in order to change out the replacement element (Part # EK602VP) please follow the same procedures 1 through 3 and then refer to operating manual for further element installation instructions.
- 6) NOTE: To service the WSO-08-000B Water Separator follow the same procedures 1 through 3 and then refer to the operating manual for further service and maintenance instructions.