

Installation Steps cont.

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- Check for air leaks.

CAUTION: DO NOT SOAP TEST THE HUMIDITY SENSOR FITTING. DAMAGE TO THE SENSOR MAY OCCUR.

With Compressor RUNNING:

Use a 1-inch brush to dab soapy water on all air fittings and hose connections.



If air bubbles appear, this is an indication that air is leaking.

Take steps to seal the leak:

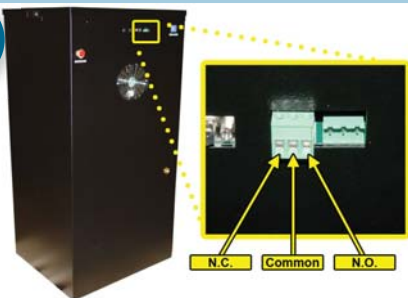
- Tighten the fitting
- Re-connect / tighten the hose end
- Replace the fitting / hose / component

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- Re-install the Front Panel.

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Connect a Common Alarm (as required):

- Insert an included Alarm Connector.
- Wire an external alarm pair to the Alarm Connector.

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- REGISTER YOUR DRYER.

Installation Checklist

- No shipping damage was detected.
- Dryer location meets the following requirements:
 - o Well ventilated
 - o Free from abrasive dust or chemicals
 - o Ambient temperature is between 40° and 85° F (optimum)
- Shipping block removed from compressor trays.
- System Pressure is set to 50 PSI.
- Static Pressure is set to 20 PSI.
- No air leaks are present in the system.
- No alarms are present on the Display Panel.

Registering Your Dryer

Please take a moment to register your PUREGAS P4200W Series Air Dryer. Registering is necessary to activate the Limited Warranty on your product. Once you register, you are eligible to receive free technical support, as well as updates concerning your PUREGAS products.

Register Online at

www.puregas.com/registration

Or by Phone

1-800-521-5351 (option 2)

Have the following information available:

Model #: _____
Serial #: _____

Company Name: _____

Location Name: _____

Shipping Address: _____

City: _____ State: _____

Zip Code: _____

Contact Name: _____

Phone #: () - ext. _____

Email: _____



P4200W Series Air Dryer Installation Guide

This guide covers basic air dryer installation and setup only. After installation, please refer to the P4200W Series User's Guide for more advanced setup and configuration options (if applicable).

Safety & Warning Information



WARNING!

Internal surfaces may be hot. Use care when coming into contact with internal components as there is a potential for some of these components to become hot when in operation or standby.



WARNING!

Extreme care should be exercised to avoid contact with live electrical circuits. Many procedures performed during installation of this air dryer require the equipment to be running, creating a situation for potential electrical shock. It is highly recommended that you remove all jewelry before performing any procedures.



WARNING!

High Noise. Puregas air dryers are meant to be installed in an unattended area and are intended for network telecommunication facilities (non-customer premises) only.



CAUTION!

This Air Dryer does not contain an internal Surge Protection Device (SPD). If an SPD is required it must be supplied by the user.



IMPORTANT!

Performing procedures not described in this User's Guide or installing components not supplied by PUREGAS is NOT RECOMMENDED AND MAY VOID THE WARRANTY.

Before You Begin

1. Carefully inspect the unit, including the shipping box as well as the air dryer, for ANY DAMAGE CAUSED BY SHIPPING. If any shipping damage is detected, it is important to file a claim with the shipping company prior to continuing the installation procedures.

2. Read the entire Installation Guide to familiarize yourself with the components and procedures before performing the air dryer installation.

3. Verify the installation location of the air dryer:

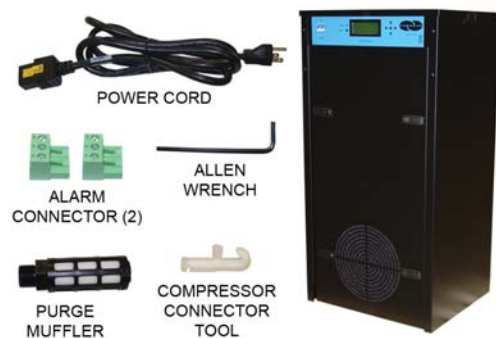
- Well ventilated and free from abrasive dust or chemicals.

- Ambient temperature is between 40° and 85° F (optimal).
NOTE: Higher temperatures will decrease component lifespan.

- Meets the following power requirements:
 - 110 - 125 VAC for P4200W and P4200WLP models
 - 220 - 230 VAC, 1 Phase for P4202W and P4202WLP models
 - All models require 50/60 Hz and minimum 15 amp service with a 10 amp slow blow fuse.

4. Notify the alarm center of the installation and potential for alarms during the process (if applicable).

Included Contents



(1) P4200W Series Air Dryer

(1) Installation Guide (not shown)

Package located inside the dryer:

(2) Alarm Connectors

(1) User's Guide (not shown)

(1) Mini CD (not shown)

(1) Allen Wrench

(1) Purge Muffler

(1) Power Cord

(1) Compressor Connector Tool

Required Tools and Materials

- Large adjustable wrench
- Medium adjustable wrench
- 7/16" wrench
- Band cutters or snips
- Pipe dope or pipe thread tape
- Cup of soapy water
- 1-inch paint brush (recommended)

Installation Steps

1

- Remove all shipping materials.
- Place the dryer at the operating location.

2

- Remove the Front Panel.

3

- Check for loose parts, hoses, or wiring.

4

- Remove the ship-loose contents package.

5

- Using a 7/16" wrench, remove the shipping block from under the Compressor Plate.
- Discard block and bolt.

6

- Verify that the Red Orifice Plug is still installed where shown.
- Install the Purge Muffler (optional).

7

- Verify that the dryer is powered OFF.

8

- Plug the Power Cord into the dryer.
- Plug the Power Cord into a power outlet: 110 - 125 VAC (P4200W / P4200WLP) 220 - 230 VAC, 1 Phase (P4202W / P4202WLP)

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- Power the dryer ON.

Set the System Pressure:
With compressor running -
• Pull the Capacity Control Valve knob out.

- Adjust knob until the reading on the Pressure Gauge is 50 PSI.
- Push knob in to lock.

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- Let dryer run until Humidity reading drops below 2% (may take up to 15 minutes).

NOTE: Press RESET if the dryer goes into SHUTDOWN.

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- Power the dryer OFF.
- Connect the air supply line to the dryer Outlet Pressure Port.

CAUTION: Be careful when removing outlet plug. System may be pressurized.

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- Power the dryer ON.

Set the Static Pressure:
• Pull Static Pressure Regulator knob out.

- Adjust knob until reading on Pressure Gauge is 20 PSI.
- Push knob in to lock.

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Set the Outlet Pressure:

- Pull Outlet Pressure Regulator knob out (or loosen the retaining nut on LP models).

- Adjust knob until Outlet Pressure (OUTLET) reading is at the desired setting.
- Push knob in to lock (or tighten the retaining nut on LP models).

Installation Steps cont.

