

Installation Steps cont.

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- Check for air leaks.

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

With Compressor NOT RUNNING:

Listen for 'hissing' sounds which may indicate a fitting or hose air leak.

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 alarm hookups (if applicable).

Please refer to the **P6500W User's Guide** section on **Operating Your Dryer**.

Specifically, sub-sections:

Connecting to Common Alarm Terminals

Connecting to Discrete Alarm Terminals

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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 Pressures are set to 50 PSI.

Static Pressure is set to 17 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 P6500W 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 #: P6500W
 Serial #: _____

Company Name: _____

Location Name: _____

Shipping Address: _____

City: _____ State: _____

Zip Code: _____

Contact Name: _____

Phone #: () - ext. _____

Email: _____



This guide covers basic air dryer installation and setup only. Once installation is complete, please refer to the P6500W 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.

P6500W Air Dryer Installation Guide

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 (optimum).

NOTE: Higher temperatures will decrease component lifespan.

- Meets the following power requirements:
 - 240 VAC (+/-10%), 1 Phase, 50 / 60 Hz
 - Minimum 20 amp service (3-wire, nub-out receptable) with a 20 amp circuit breaker or slow blow fuse
 - If hard-wiring directly, minimum of 12 AWG wire must be used

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

Included Contents



(1) P6500W Air Dryer

(1) Installation Guide (not shown)

Package located inside the dryer:

(1) User's Guide - Paper copy or digital file on CD (not shown)

(2) Purge Mufflers

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 shipping block from under the compressor plates.
- Discard block and bolts.

5

- Remove the ship-loose contents package.

6

On BACK of dryer:

- Verify that the red orifice is still installed where shown.
- Install the purge mufflers (shipped loose).

7

ON ON ON
POWER SYSTEM 1 SYSTEM 2

- Verify that the dryer is powered OFF.

8

240 VAC +/- 10%

- Plug the power cord into a 240 VAC (+/-10%), 1 phase, 50/60 Hz power outlet.
- Turn the dryer ON.

9

LEFT RIGHT

Set the system pressure for **System 1 (Left):**

With compressor running -

- Pull the Capacity Control Valve knob out.

50 PSI

- Adjust knob until the reading on the pressure gauge is **50 PSI**.
- Push knob in to lock.

Repeat for System 2 (Right).

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SYSTEM 1 - ON
HUMIDITY - 0%
LAST RUN - 2:44
TOTAL HR - 488

- Let dryer run until Humidity reading drops to ZERO (0) for System 1 and System 2.

NOTE: Press **RESET** if either System goes into SHUTDOWN.

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Outlet Pressure (0-15 PSI)

- Turn the dryer OFF.
- Connect air supply lines to outlet ports: Outlet Pressure, Static Pressure, or Both.

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

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Set the Static Pressure:

- Pull Static Pressure Regulator knob out.

17 PSI

- Adjust knob until reading on pressure gauge is **17 PSI**.
- Push knob in to lock.

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Set the Outlet Pressure:

- Pull Outlet Pressure Regulator knob out.

**TANK - 35.4 PSI
OUTP - 10.0
FLOW - 166.2 SCFD
CYCLE TIME - 8:30**

- Adjust knob until Outlet Pressure (OUTP) reading is at the desired setting.
- Push knob in to lock.

Installation Steps cont.

