

PENTRAS

AIR 22500

CENTRAL OFFICE AIR DRYER

The **AIR 22500** was designed for the Telecommunications industry to use as an indoor central office system for continuous feed pressure cables, pipe systems and other systems that require dry air. The dryer utilizes refrigeration and heat reactivated desiccant drying for efficiency, long life and low cost. Less than 5% of the air compressor output is used for purge. Superior performance and long life is attained by incorporating these design features:



-High flow cooling fan
to reduce heat build up in the compressor module.

-Reliable oilless compressors to assure oil free air at all times.

-Slide out compressor base design reduces the time to service and maintain compressors.

-Reliable Solid State control boards handle all functions of the air dryer and reporting of alarms.

-Automatic load adjustment senses the demand load and adjusts the dryer output to it.

-Operates at lower 25 PSIG pressure, thereby reducing the heat build up and extending the life of the compressor components.

Other Features:

- ◆ Pre-coolers are mounted to the cabinet frame thereby eliminating the cracking and vibrations of compressor mounted designs and reducing the servicing time by avoiding the need to dismount the pre-cooler in order to service the compressor.
- ◆ Comes standard with high humidity alarm, high and low output pressure alarms, open circuit alarm, low output alarm, high output temperature alarm and power failure alarm. Capable of reporting alarms as one common or individual discrete alarms.
- ◆ Solid state control boards operate all functions of the air dryer and adjust the output to the demand load..
- ◆ Servicing convenience is provided by having all components accessible from the front and top of the dryer.
- ◆ Air compressor hour meters show the amount of compressor run time for determining maintenance scheduling.
- ◆ Output pressure gauge indicates output pressure delivered to the cable.
- ◆ Output capacity flow meter is provided for instant reading of dryer load.
- ◆ Reliable ten hour solenoid valve cycle, towers are always pressurized so there are no system jolting pressure changes.

Specifications:

<i>Pentras part number:</i>	AIR 22500
<i>Normal Output Capacity:</i>	15000 Standard Cubic Feet per Day (425 Meters per Day)
<i>Emergency Output Capacity:</i>	22500 Standard Cubic Feet per Day (637 Meters per Day)
<i>Power Requirements:</i>	208 Volts, Single Phase, 60 HZ.
<i>Alternate Power:</i>	220 Volts, Single Phase, 50 HZ.
<i>Dimensions:</i>	
<i>-Dryer Module:</i>	20.5" Wide (52 cm), 20.5" Deep (52 cm), 49" High (124.5cm)
<i>-Compressor Module:</i>	17" Wide (43.2 cm), 26" Deep (66 cm), 49" High (124.5 cm)
<i>Weight:</i>	
<i>-Dryer Module</i>	290 Pounds (131 Kg)
<i>-Compressor Module</i>	310 Pounds (139 Kg)
<i>Compressor Motor:</i>	Three each 3/4 H.P., Oilless Piston Type, Telfon Ring
<i>Delivered Air Humidity:</i>	Under 1% RH at 70 ⁰ F (21 ⁰ C)
<i>Dew point:</i>	-40 ⁰ F (-40 ⁰ C)
<i>Delivered Air Pressure:</i>	Low Pressure Outlet: Adjustable 0-15 PSIG (0-1.06 KG/cm ²) High Pressure Outlet: 25 PSIG Maximum (1.76 kg/cm ²)
<i>Alarms:</i>	High Humidity and Open Humidity Circuit Adjustable High and Low Outlet Pressure High Outlet Temperature Alarm Low Output Power Failure

Web Address:

www.airdryers.com

Mail Address:

PENTRAS, Inc., P.O. Box 879, Broomfield, Colorado, U.S.A. 80038

Factory Address:

PENTRAS, Inc., 2150 W. 6th Ave., Unit P, Broomfield, Colorado, U.S.A. 80020

Tel: 303-465-3063 **Fax:** 303-465-9294 **Email:** sales@airdryers.com

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