

Air Dryer 28 CFM Technical Data

Specifications:

- **Outlet Dew Point - 33-37 F**
- **Inlet Temperature - 32-180 F**
- **Max Pressure - 200 PSI**
- **Refrigerant - R-22**
- **Power Source - Single Phase, 110V, 60 HZ**
- **Scroll Compressor - High Efficiency - Low AMP Draw**



This unit will dry up to 28 CFM with absolute water-free air. It is used in body shops, machine shops, and all businesses that need dry air. Water is a bad part of a compressor without a dryer. It will ruin your air tools and air motors on machines or anything that needs dry air. We have many customers that ask us “do you have a compressor with water-free air?” The only way to achieve this is to cool your air down to dew point. For example, humidity is in the air and you cannot see it. It is as a gas form. The only way to remove this water from the air is to cool the air down to dew point. Everybody knows when a low front comes through that it rains. The reason for this is the moisture that is in a gas form is cooled down and this is how you get rain. Another example is your air conditioner in the summer has water dripping off of the condenser. This is the same principle as our air dryer. It is cooling the air through a heat exchanger by circulating refrigerant (R22). After the water is evaporated out of the air, it is collected in an accumulator or water trap. This water trap has a built-in auto drain, which drains the accumulated water from the heat exchanger. After your air goes through this process, it gets all of the water out of your air system.

This refrigerated air dryer system is very low maintenance. You just plug it into 110V, Single Phase and connect your air lines from the compressor to the IN marked “air port” and connect your shop air to the OUT marked “air port”. On the IN marked “air port”.

A coalescer filter system is heavily recommended. This will remove all particulate from your air system down to 1 micron. A coalescer filter will also remove any oil that the compressor might use and keep it from getting into your air dryer. An air compressor oil-type will use 1-5 parts per million in oil carry over. It is just like your car motor, it will use “some” oil. The oil used gets into your air lines in a millionth amount, but over a period of time, can plug your dryer up. This filter system will extend your dryer’s life by preventing that from happening.

We use high quality refrigeration units in our dryers and high quality heat exchangers for maximum durability in industrial applications. This dryer also cycles the fan motor on and off as the air temperature goes up and down. This dryer only pulls 2.6 amps on 110V, Single Phase. It is very energy efficient and has a temperature gauge on the outlet airline that tells the air temperature. This dryer has two lighted switches that you can turn on and off manually at the beginning or end of the day. High quality auto drain for water. It also has a ball valve to turn the air off to the auto drain when maintenance so you do not have to shut your shop down when doing so. You can drain it manually while doing this. The dryer has an easy-access panel on the right side of it as you are facing the front of the dryer it has 2-hand tightened screws so you can quickly remove it for maintenance. Our dryer has NO plastic—it is all HEAVY gauge material. It has a 1/2” inlet port and a 1/2” outlet port. You can put a bell fitting to make your airline up to any size that you need for your shop without getting a pressure drop at the other end of the line. The dimensions are [23.5" D x 15 5/8" W x 30.5" H](#). With this unit you do not need any intercoolers on your compressor. It will handle your air system with great efficiency and QUIET operation.

Warranty:

The dryer is covered by a Manufacturer’s One Year Warranty and includes an Owner’s /Operator’s Manual.