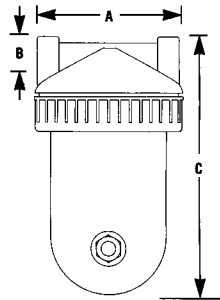


*Lowers pressure dew point to -43°  
Ideal for paint shops*



**DESICCANT DRYER**

Part No.	Thread (F) NPT in.	Maximum Flow SCFM	Desiccant Charge (volume)	Dimensions (in.)			Weight (lbs)
				A	B	C	
12.2107	1/2"	15 à 25	2 quarts	4-7/8"	13-1/16"	12-3/16"	7
12.2108	3/4"	25 à 50	1 gallon	6-3/4"	1-1/2"	16-1/2"	23

Silicone gel included

**Applications**

- Perfect for paint shops, sandblasting, robotics, instrumentation and laboratories requiring high quality air
- Ideal for removing dust, water, oil or any undesirable contaminants from compressed air in order to protect sensitive tools and equipment
- Supplies extremely dry compressed air with no needs for electricity or refrigeration

**Features**

- Available in capacities from 15 to 50 SCFM
- Drying efficiency can be tailored to your needs down to -43°C (-45°F).
- Highly visible color change from dark blue to light pink through exclusive sight-glass highlights the need for service.
- Exclusive hard spherical bead resists attrition and dusting and can be recharged.
- Always install a coalescing filter upstream of the desiccant dryer.
- Built-in particulate after-filter prevents downstream dust.

**AIR FLOW PATH THROUGH THE DESICCANT DRYER**

The compressed air enters the dryer (1) and is dispersed through a 70 micron polypropylene element (2) for the removal of par ticles. The air is then distributed uniformly through the full desiccant bed (3) to the bottom of the intake tube (4). The intake tube is protected by a 40 micron porous bronze element (5). As the desiccant adsorbs moisture, a dramatic and highly visible color change occurs from dark blue to light pink. The color change works its way through the desiccant as the absorptive qualities of the desiccant are diminished. Once the color change is visible through the exclusive sight dome (6), the full desiccant bed has reached its maximum drying capacity and must be either changed or regenerated. Dry air exits through the inside diameter of the intake tube (7) and out the outlet port of the unit (8).

Regeneration is accomplished by heating the desiccant to a temperature of 135°C (275°F) in a drying oven. Regeneration is complete when the desiccant returns to its original blue color.



**REPLACEMENT PARTS**

Part No.	1/2" NPT	3/4" NPT	Description
12.2117	12.2118		Bowl & Sight Dome
12.2127	12.2128		Sight Dome
12.2137	12.2138		Repair Kit
12.2147	12.2148		Filter

**DESICCANT - SILICA GEL REPLACEMENT**

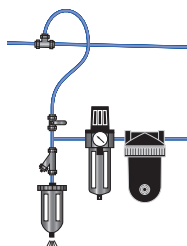
Part No.	Quantity
12.2151	1 Quart Jar, 1.80 pounds
12.2156	6 Pk. of 1Qt. Jars
12.2161	1 Gallon, 6.90 pounds
12.2164	4 - 1 Gallon Jugs)

**Specifications**

**Maximum Working Pressure**  
250 PSI

**Working Temperature**  
-18°C to 48°C (0°F to 120°F)

**Air Flow**  
Port Size 1/2" : 15 to 25 SCFM  
Port Size 3/4" : 25 to 50 SCFM





*99% of all Moisture Can Be Removed*

### AIR DRYER

Part No.	Port Size (F) NPT	Air Flow SCFM
12.3120	1/4	10.5
12.3130	3/8	26
12.3140	1/2	53
12.3160	3/4	77
12.3170	1	123
12.3180	1-1/2	212
12.3190	2	424

### Applications

- Perfect for sandblasting, painting or any other application that requires clean and dry air.

### Features

- 99% of all moisture can be removed.
- Lightweight, compact and easy to install.
- The element is made of a special resin material which provides uninterrupted service.
- Always install a filter upstream of the dryer.
- Built-in auto drain allows for long periods of continuous operation.

### Specifications

**Maximum Working Pressure**  
145 PSI

**Working Temperature**  
5°C to 60°C (40°F to 140°F)

#### WARNING

Always install a filter upstream of the air dryer.

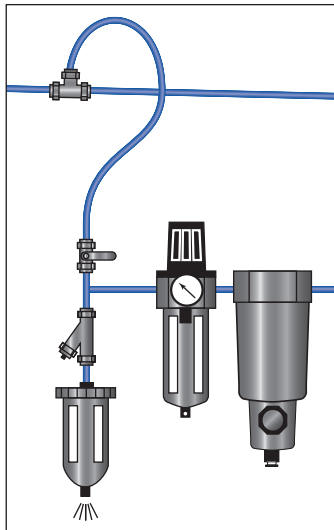
### REPLACEMENT PARTS (ELEMENT)

Part No.	Port Size (F) NPT
12.3220	1/4
12.3230	3/8
12.3240	1/2
12.3260	3/4
12.3270	1
12.3280	1-1/2
12.3290	2

### BRACKET

Part No.	Port Size (F) NPT
12.3320	1/4
12.3330	3/8
12.3340	1/2
12.3360	3/4
12.3370	1
12.3380	1-1/2
12.3390	2

### PERFECT FOR SANDBLASTING



### WATERBORNE

Part No.	Port Size (F) NPT
12.3490	Manual drain set 1/2" NPT
12.3491	Auto drain set 1/2" NPT

# AIR MAX ULTIMUM 4<sub>1</sub>

The latest technology in air filtration



Pressure gauge and mounting bracket included

**Low maintenance**

Automatic drain on air dryer

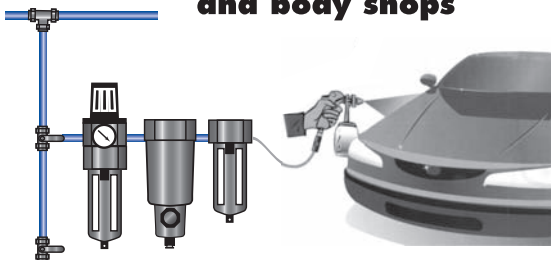
**Produces clean, dry and oil-free compressed air.**

- 1.** Extracts water and filters dust particles from 0.3 micron
- 2.** Controls compressed air, ensuring an uniform pressure throughout the network
- 3.** Eliminates 99% of the water contained in compressed air
- 4.** Removes 99,9% of the oil contained in compressed air



**4<sub>1</sub>**  
IN

**Ideal for paint shops and body shops**



Filters particules from 5 microns and regulates air pressure



Also ideal for industrial applications:

- Plasma welding
- Any applications requiring clean and dry compressed air

**Legend**

- Oil
- ◐ Dust
- Water
- ~ Steam
- ⊙ Non-regulated compressed air

**Distributed by:**

Air Inlet (F) NPT	Air flow SCFM	POLYCARBONATE BOWL *	
		Manual Drain Part No.	Automatic Drain Part No.
1/4"	16	12.3540	12.3541
3/8"	40	12.3560	12.3561
1/2"	40	12.3570	12.3571
3/4"	40	12.3580	12.3581

\*Metal bowls also available



**Quality Products by**

The principal of an air dryer by refrigeration is to separate the moisture in the air by bringing down the temperature of the compressed air by a thermal exchanger to a point called the "DEW POINT".

So it's a dry air, at a temperature said to be the dew point that is projected in the compressed air network. This compressed air can be clean and oil-free if a pre-filter is installed before the inlet of the dryer.

- Electric drain
- Entela
- Npt connections
- Standard control
- 6' three pronged power cord standars on all modles up to 12.7125 inclusive, junction box on all other models

Model	Capacity	Voltage	Conn.	Refrigerant
12.7020	25 SCFM	115/1/60	3/4"	R134a
12.7030	35 SCFM	115/1/60	3/4"	R134a
12.7050	50 SCFM	115/1/60	3/4"	R134a
12.7075	75 SCFM	115/1/60	3/4"	R134a
12.7100	100 SCFM	115/1/60	1"	R134a
12.7125	125 SCFM	115/1/60	1"	R134a
12.7150	150 SCFM	230/1/60	1"	R134a
12.7200	200 SCFM	230/1/60	1 1/2"	R134a

High temperature available on request

