



# Desiccant Dryer 7448-1

## Specifications

Atmospheric Dew Point*–	-45°F (-43°C)	
Maximum Continuous Air Flow*	10 SCFM (4.7 dm <sup>3</sup> /s)	
Maximum Pressure	150 PSIG (10.3 bar)	
Maximum Temperature –	125°F (52°C)	
Port Size –	NPT / BSPP-G	1/4
Total Air Flow*	1/4	11,000 SCFM (311 m <sub>3</sub> )
Total Minutes of Operation @ Continuous Air Flow	440 Minutes	
Weight (with Desiccant) lb. (kg) –	7.4	(3.4)
Weight Desiccant Alone lb. (kg) –	1.8	(0.8)

\* With dry desiccant at 100 PSIG (7 bar) and 70°F 21°C), saturated inlet (100% RH).

## Materials of Construction

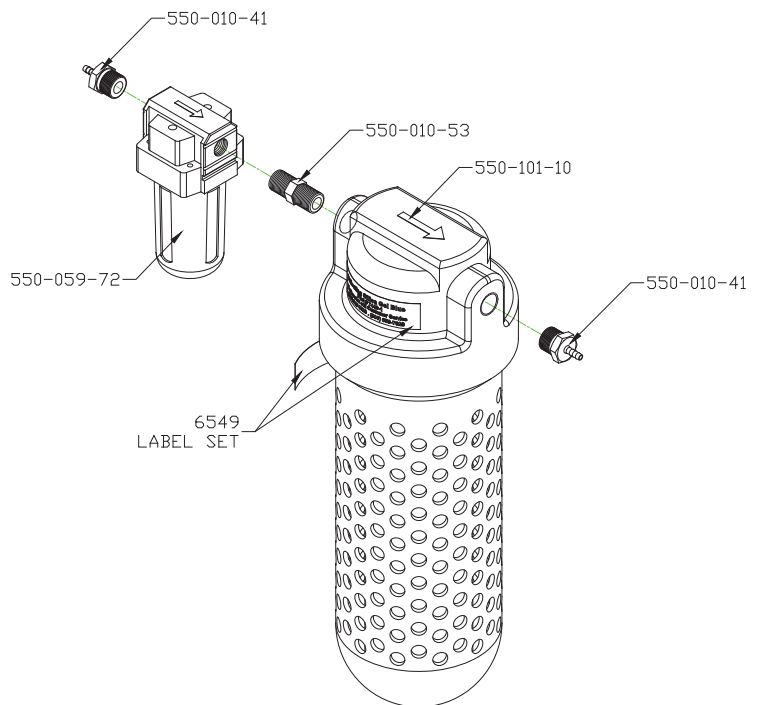
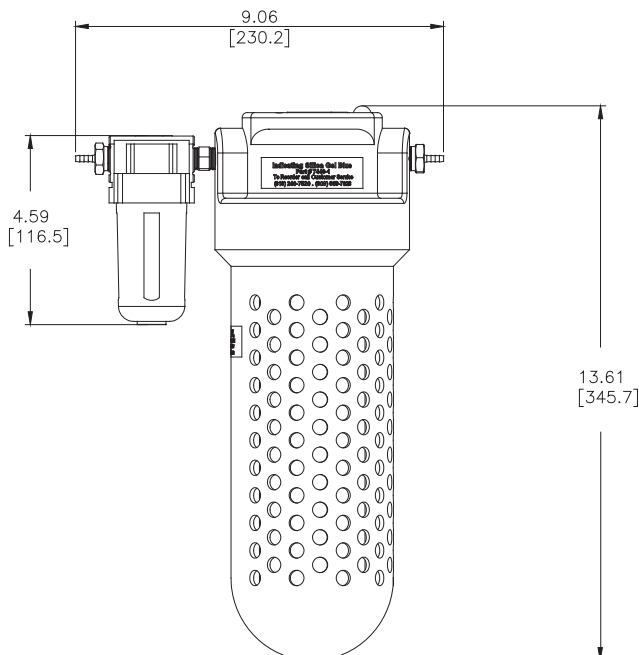
Body	Zinc	
Bowls	Plastic	Polycarbonate
Bowl Guard	Aluminum	
Seals	Fluorocarbon	

## Features and Benefits

- No Electrical Connection Necessary
- Color change of the Desiccant Provides an Instant Status of the Compressed Air System

For replacement Desiccant Silica Gel  
P/N 7449-1 call **CRYSTAL MARK, INC**

## Dimensions



Manual 6084-1  
Rev. A 2/10

## 1. GENERAL INSTRUCTIONS

### 1.1. Warning Labels:

- Warning labels should not be removed, painted over or otherwise obscured.

## 2. WARNINGS

- 2.1. Pressure Rating:** Never exceed the rated pressure of a product. Consult product labeling, Pneumatic Division catalogs or the instruction sheets supplied for maximum pressure ratings.
- 2.2. Temperature Rating:** Never exceed the temperature rating of a product. Excessive heat can shorten the life expectancy of a product and result in complete product failure.
- 2.3. Lubrication and Compressor Carryover:** Some modern synthetic oils can and will attack nitrile seals. If there is any possibility of synthetic oils or greases migrating into the pneumatic components check for compatibility with the seal materials used. Consult the factory or product literature for materials of construction.
- 2.4. Polycarbonate Bowls and Sight Glasses:** To avoid potential polycarbonate bowl failures:
- Do not locate polycarbonate bowls or sight glasses in areas where they could be subject to direct sunlight, impact blow, or temperatures outside of the rated range.
  - Do not expose or clean polycarbonate bowls with detergents, chlorinated hydro-carbons, key tones, esters or certain alcohols.

Do not use polycarbonate bowls or sight glasses in air systems where compressors are lubricated with fire resistant fluids such as phosphate ester and di-ester lubricants.

## 3. SERVICE AND REPLACEMENT INTERVALS:

- It is the user's responsibility to establish appropriate service intervals.

## Caution

Certain compressor oils, chemicals, household cleaners, solvents, paints and fumes will attack plastic bowls and can cause bowl failure. Do not use near these materials. When bowl becomes dirty replace bowl or wipe only with a clean, dry cloth. Reinstall bowl guard or buy and install a bowl guard. Immediately replace any crazed, cracked, damaged or deteriorated plastic bowl with a bowl or a new plastic bowl and bowl guard.

## Caution

This product is specifically designed for compressed air service, and use with any other fluid (liquid or gas) is a misapplication. For example, use with or injection of certain hazardous liquids or gases in the system (such as alcohol or liquid petroleum gas) could be harmful to the unit or result in a combustible condition or hazardous external leakage.

## Some of the Materials that will Attack Polycarbonate Plastic Bowls

## Trade Names of some Compressor Oils, Rubber Compounds and other Materials that will Attack Polycarbonate Plastic Bowls.

Atlas"Perma-Guard"	National Compound #N1 1
Buna N	"Nylock"VC-3
Cellulube #150 and #220	Parco #1 306 Neoprene
Crylex #5 cement	*Permabond 910
*Eastman 910	Petron PD287
Garlock #98403 (polyurethane)	Prestone
Haskel #568-023	Pydraul AC
Hilgard Co.'s hil phene	Sears Regular Motor Oil
Houghton & Co. oil #1120, #1130 & #1055	Sinclair oil"Lily White"
Houtosafe 1000	Stauffer Chemical FYRQUEL #150
Kano Kroil	Stillman #SR 269-75 (polyurethane)
Keystone penetrating oil #2	Stillman #SR 513-70 (neoprene)
*Loctite 271	Tannergas
*Locite 290	Telar
*Loctite 601	Tenneco anderol #495 & #500 oils
*Loctite Teflon-Sealant	Titon
Marvel Mystery Oil	*Vibra-tite
	Zerex Minn. Rubber 366Y

\*When in raw liquid form.

**We cannot possibly list all harmful substances, so check with Mobay or the General Electric office for further information on polycarbonate plastic.**

For Parts or Service call:  
**CRYSTAL MARK, INC.**  
at  
(818)240-7520 or (800)659-7926  
sales@crystalmarkinc.com