



INSTRUMENT GRADE

Compressed Air Filters

Ultra Clean Air for Instrumentation, Fluidics, Packaging, and Laboratory

1716 Visi-Guard Dryer

12 scfm

- Use for Total Oil or Water Vapor Removal
- Color Indicating Desiccant Chamber (using SG-1)
- Efficient Non-Purge Design Conserves Energy

KING Visi-Guard 1716 Dryer utilizes a desiccant bed to remove water or oil vapor for critical compressed air needs. (Choice of desiccant media selection determines application.) The Visi-Guard acrylic chamber is especially suited for SG-1 indicating silica gel that changes from blue to pink when the air supply approaches 20% RH. Properly maintained, the dryer can reduce dew point to -50°F/-45°C. (Alternate AC-1 desiccant can reduce oil vapor content to less than 0.5 PPM w/w.)

Many types of equipment and processes use compressed air that must be clean, dry and oil-free. This requires the removal of liquids, aerosols, dust and solid particulates from the airstream. These are easily removed using coalescing compressed air filter. However, vapor is liquid in evaporated form. In this gaseous state, a desiccant dryer will use a material that attracts water and/or oil vapor molecules through a process called "adsorption".

KING Visi-Guard dryers are especially suited for applications where air consumption must be minimized. (Does not use purge air or require electrical energy.)



**Model 1716
Visi-Guard Dryer**

Model No.	1716-10
Rated Flow	12 scfm @ 100 psig; 340 l/min @ 7 Kg/cm ² ; 20 m ³ /hr @ 7 bar
Connections	1/2" NPT
Max. Pressure	150 psi
Filter Type	desiccant bed
Efficiency	vapor content ≤ 0.5 ppm or dew point 50°F/-45°C



1716 Visi-Guard Dryer

12 SCFM DESICCANT BED DRYER

APPLICATIONS

Point of Use: Air operated packaging equipment, air preparation for painting/coating systems, improved machinery performance, and reduced maintenance.

Pneumatic Instruments: Installed upstream of the main take off to individual components, the dryer provides clean and extremely dry compressed air. With proper prefilter, one dryer can supply multiple sensitive instruments.

SPECIFICATIONS

VISI-GUARD DRYER

MODEL 1716

Maximum Inlet Pressure: 150 psig (10.3 bar)

Capacity (Flow):

12 scfm @ 100 psig (20 m³/hr @ 7 bar)

Rated Efficiency: vapor content ≤ 0.5 ppm

Connections (Inlet/Outlet): 1/2" NPT

Temperature Limit: 200°F/93°C

Physical Data:

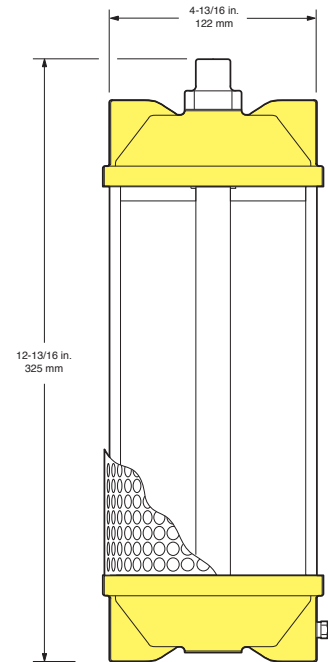
housing—aluminum/acrylic

shipping weight—15 lb/7 kg

Desiccant Options:

Specify SG-1 for water vapor removal to -50°F/-45°C.

Specify AC-1 for oil vapor removal < 0.5 PPM w/w.



All specifications are subject to change without notice.



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