

www.delairindia.com

del  **PET**[™]

**Compressed Air Dryers
for**

**PLASTIC
INDUSTRY**

delair[®]

The Compressed Air Treatment System Company

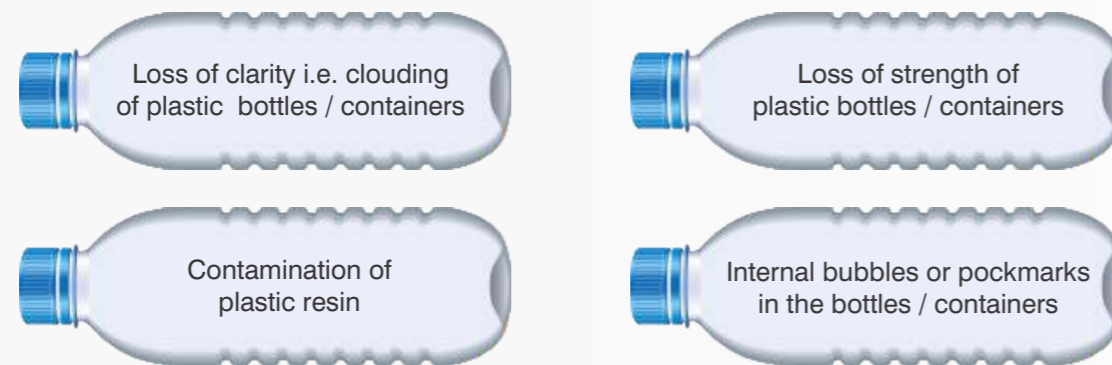


Moisture Problems in PET & Plastics Industry

Compressed air is widely used in most pneumatic applications in PET/Plastics industry.

Compressed air is used to blow the bottles/containers to the desired shape and size. A major problem in compressed air systems is the presence of water, dust particles, oil (oils particles are introduced by lubricated air compressors) and solid contaminants which can adversely affect air quality.

Moisture in compressed air may lead to following problems :



Moisture in compressed air may also leads to problems like :

- Malfunctioning of pneumatic tools and machines
- Sluggish and inconsistent operation of valves and cylinders
- Corrosion in pipe lines, cylinder and other components
- Increase in downtime
- Increase in maintenance cost of pneumatic machines / tools / controls.

Pneumatic processes where Compressed Air Dryer is must

- Blowing
- Forming
- Conveying plastics pellets
- Cleaning
- Clamping
- Injection molding
- Mold Press Powering
- Tool Powering



Solution

Remove moisture from compressed air.

It is best to ensure that compressed air is dry and clean before it is fed into pneumatic machines for diversified applications.

Compressed air can be dried by installing a Compressed Air Dryer and which is generally installed after the compressor.

The Delair Solution

delPET
Compressed Air Dryer



Delair has specially designed Delpet Compressed Air Dryer for PET Bottle manufacturing process. It operates at high pressure upto 40 bar on the method of cooling the air to near freezing point to remove the moisture and reheating it to approximately 10°C below the incoming compressed air temperature at nominal conditions.

Moisture Free Blow Molding Process

Moisture Free Pneumatic Process

Crystal Clear PET Bottles

Key Features

- Available in 17 standard models
- Capacity from 18 - 850 m³/hr (10.6 - 500 cfm)
- Microprocessor based DelSmart LED card to readout dew point, operating status, faults indication
- Provides pressure dew points range to 4-6°C
- Unique, patented foamed in Heat Exchanger

For more information email your request to delairmarketing@pahwa.com or logon to www.delairindia.com



WHY DELAIR ?

- Over 30 years of experience
- Over 80 years of research, development and experience in air and gas treatment.
- Widest range of compressed air dryer.
- Eco friendly and CE certified
- Largest number of unit sold
- Largest customer base
- Largest sales and service network
- Largest capacity of single unit
- Low maintenance cost.
- Designed and manufactured as per International standard. Such as ASME section VIII. ASME section IX, IS2825 and TEMA-C
- Only Delair Dryer have Volume Liquid accumulator and Liquid receivers.
- Reliable and high quality

Products & Accessories



Refrigeration Dryer



Adsorption Dryer



Customized / Engineered Adsorption Dryer



Air Filter



Air Receiver



Water Cooled - After Cooler



Air Cooled After Cooler



Moisture Separator



Auto Drain Valve ZL series



Auto Drain Valve EO series



Auto Drain Valve BF series

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