

delTM**PET**

**Compressed Air Dryers
for**

**PLASTIC
INDUSTRY**

delair[®]

The Compressed Air Treatment System Company

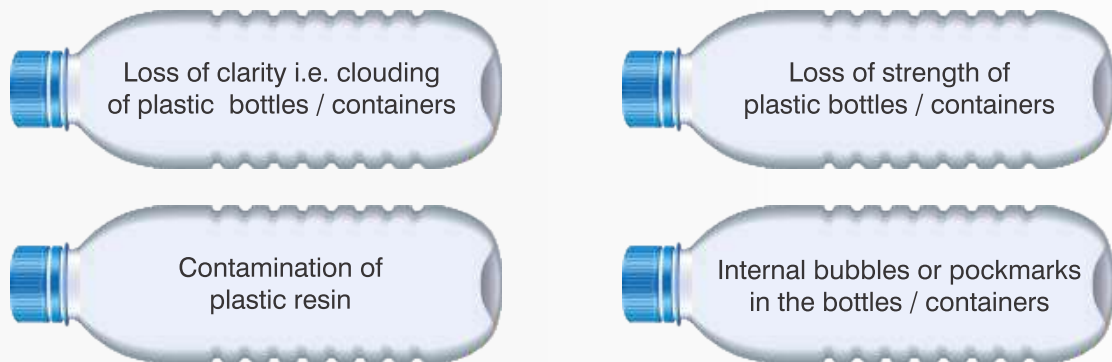


Moisture Problems in PET & Plastics Industry

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 (oil 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 :

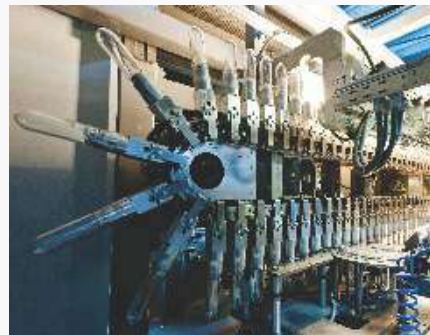


Moisture in compressed air may also leads to problems like :

- 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

STD Design Parameters

- Operating Pressure : 40 kg/cm²(g)
- Max. Working Pressure : 45 kg/cm²(g)
- Air Inlet Temperature : 45°C
- Ambient Temperature : 45°C
- Cooling Water Inlet Pressure : 3-6 kg/cm²(g)
- Cooling Water Inlet Temperature : 32°C
(For water-cooled versions)

Features & Advantages

- Available in 17 standard models
- Provides best pressure dew point from +3 C to + 4 C

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



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