



# Activated Alumina Desiccant

For Compressed Air Dryers

High-quality activated alumina desiccant from Ingersoll Rand prevents moisture and contaminants from affecting your equipment's performance, extending service life.



## The Cost of Wet, Untreated Air

Compressed air systems generate a significant amount of condensate, much of which remains in a vapor state within the airstream. Desiccant dryers that are not maintained properly allow moisture to pass downstream. In addition to poor maintenance, if low quality activated alumina is used, there is a higher level of dusting and less condensate adsorption capability. This contaminated air traveling downstream can dramatically reduce the performance and service life of process equipment and point-of-use tools.



## The Ideal Solution for Compressed Air Drying

Using high-quality activated alumina desiccant from Ingersoll Rand gives you better control of system conditions like pressure, temperature and moisture levels. It also helps to achieve low pressure dew point temperature ranges from  $-40^{\circ}\text{F}$  to  $-100^{\circ}\text{F}$  ( $-40^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$ )—ensuring the highest level of clean and dry air possible, while maximizing equipment performance and service life.

## Activated Alumina Desiccant Features

- **Smooth and uniform beads** minimize pressure drop and ensure utilization of the full desiccant bed
- **Low abrasion** ensures less dusting during transport, loading and service life that reduces pressure drop
- **High crush strength** for rapid loading of towers and more efficient use of the desiccant
- **High adsorptive capacity** reduces initial cost, operating costs and energy use
- **Long service life** ensures extended service intervals of 2-5 years
- **Low dusting** extends service intervals, prevents the dryer's after-filter from clogging and provides higher quality clean air



## When Do I Need to Replace Desiccant?

Desiccant life varies depending on use – the higher the flow and humidity in your system, the more frequently the desiccant needs to be replaced. Here are some indicators to help you identify when to replace the desiccant beads in your dryer.

- The desiccant beads are oil-coated, making them unable to adsorb water
- Any detection of oil or contaminants in the dryer
- The desiccant appears discolored

Desiccant analysis is **recommended every six months** as part of regular preventative maintenance.

## Selecting The Right Desiccant

One of the factors associated with reaching a dryer’s rated dew point is the desiccant bead’s surface area. Based on the dryer’s design specifications, this may be achieved by using one bead size throughout the tower or multiple layers of bead sizes in the dryer.

Always be sure to reference the manufacturer’s user manual to select the appropriate bead size for your dryer. This helps to ensure minimal pressure drop and to achieve the rated dew point.

**Ingersoll Rand offers a variety of desiccant bead sizes to meet your pressure drop and surface area requirements, as well as different package sizes to match the quantity you need.**

Ingersoll Rand Desiccant Ordering Information		
Bead Size	Package Size	CCN
3/16"	25 kg bag	15472830
3/16"	1 pallet of 25 kg bags (42 units)	49221286
3/16"	700 kg supersack	49221310
1/8"	25 kg bag	15472798
1/8"	1 pallet of 25 kg bags (42 units)	49221294
1/8"	700 kg supersack	49221328
1/4"	25 kg bag	15472814
1/4"	1 pallet of 25 kg bags (42 units)	49221302
1/4"	700 kg supersack	49221336

### Available in:

- 25 kg bags
- Pallet
- 700 kg supersack



**Ingersoll Rand’s activated alumina desiccant is suitable for most competitive compressed air dryers.**



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