

Dryocel® 848 Air Dryer Desiccant

Description

One of the primary applications for desiccant materials is in the dehydration of air. Essentially any manufacturing facility requires dry air for operating pneumatic devices (valves, switches, etc.), providing good quality air purge for instrument enclosures, or as a general utility.

Many operational problems can arise if a poor quality desiccant is used.

Advantages

- Wide range of particle sizes available
- Package size flexibility
- High water loading capacity
- Low attrition loss



Premium-quality
activated alumina
desiccant

Performance

• Reliable air dryer operation

High quality desiccants provide reliable operation of the air dryer. High quality desiccants offer high water-loading capacity, high crush strength and low attrition loss. Low quality desiccants can physically deteriorate in service and result in high pressure drop across the air dryer vessel. Once the desiccant has physically degraded, poor performance of the air dryer will require the replacement of the desiccant.

• High water-loading capacity

High quality desiccants balance the critical parameters of bulk density, surface area and porosity to allow more water to be removed per cycle. Low quality desiccant characteristics will not be optimized and, as a result, will display low water-loading capacity. A low capacity desiccant may allow water to enter the air system, causing corrosion, freezing or equipment malfunction.

• Dust-free operation

High quality desiccants exhibit low attrition loss. Low quality desiccants can create dust which will plug tubing, valves and gauges, requiring costly maintenance or replacement.

• Long service life

High quality desiccants provide high water-loading capacity for a longer period of time. Longer service life saves money since desiccant replacement is required less frequently.

Dryocel 848 is produced at Evonik's manufacturing facility in Little Rock, AR USA.

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