



# MOLECULAR SIEVE DESICCANT

## HIGHEST QUALITY – TWO TYPES – TWO SIZES

**GUARANTEED TO BE PURE – CLEAN – FRESH MOLECULAR SIEVE DESICCANT**

Desiccant dryer manufacturers recommend changing your desiccant tanks or beds periodically to assure optimum performance of your desiccant drying units. How can you tell it's time to change? Longer drying cycles which means more energy consumption to achieve -40°F dew points. Also visually discoloration means replace it.

PPE supplies both types 13X and 4A molecular sieve desiccant in two bead sizes. Due to the various designs of desiccant plastic material dryers, you must replace your bed material with the same type and size that was supplied with your dryer.

Molecular sieve desiccant type 13X has a 12% higher moisture absorption capacity and a larger pore size than type 4A. The larger pores allow it to absorb moisture faster and also absorb larger molecules of moisture as well. Depending on the quantity and type of molecules present, these could react on the surface of the 13X during regeneration and not come off, thus reducing its capacity to function over time. Type 13X is more subject to contamination which in time renders it ineffective.

Because of type 4A's smaller pore size, it is less subject to contamination. However, because of its lower absorption capacity and smaller pore openings, the rate at which it absorbs moisture will be lower than with type 13X.

Another factor to consider is the bead size. Small beads (8x12 mesh) have a faster rate of water absorption, but they are more dense and cause a higher pressure drop than the larger (4x8 mesh) beads. Always specify the correct type and size molecular sieve desiccant. If you don't know which type of sieve your dryer was designed to use, contact your dryer manufacturer for their recommendation and then call PPE to place your order.

**SOLD IN FACTORY-SEALED CONTAINERS  
TO STAY FRESH AND DRY!**

Avoids excess moisture or contamination.

The best drying temperature range for desiccant bead regeneration is 400° to 600°F. Do not exceed 1000°F.

**••• LOW DUST TYPE •••**

**FRESH DESICCANT HELPS  
ACHIEVE LOWER DEW POINTS!**



**4A 1/8"    4A 1/16"    13X 1/8"    13X 1/16"**

**ALWAYS KEEP YOUR AIR INLET FILTERS CLEAN!**

**IF YOU BLEND SIZES**

If the smaller diameter bead size passes through your dryer holding tank screen we suggest you consider installing a stainless steel screen of slightly smaller mesh size in your cannister bottom.

**GUARANTEED LOWEST PRICES!**

### TYPE 4A DESICCANT

Mix or Match for Quantity Prices

| BEAD SIZE   | MESH SIZE | PART NO.  | CONTAINER SIZE | PRICE PER CONTAINER |              |                 |              |
|---|-----------|-----------|----------------|---------------------|--------------|-----------------|--------------|
|   |           |           |                | 1 Container         |              | 2 or More       |              |
| 1/8"<br><small>Size varies .093 to .185 dia.</small>  | 4 x 8     | MS4A4-030 | 30 lbs.        | <b>\$104.50</b>     | (\$3.48 lb.) | <b>\$99.50</b>  | (\$3.32 lb.) |
|   |           | MS4A4-110 | 110 lbs.       | <b>\$352.50</b>     | (\$3.20 lb.) | <b>\$337.00</b> | (\$3.06 lb.) |
|   |           | MS4A4-300 | 300 lbs.       | <b>\$893.00</b>     | (\$2.98 lb.) | <b>\$855.00</b> | (\$2.85 lb.) |
| 1/16"<br><small>Size varies .055 to .093 dia.</small> | 8 x 12    | MS4A8-030 | 30 lbs.        | <b>\$104.50</b>     | (\$3.48 lb.) | <b>\$99.50</b>  | (\$3.32 lb.) |
|   |           | MS4A8-110 | 110 lbs.       | <b>\$352.50</b>     | (\$3.20 lb.) | <b>\$337.00</b> | (\$3.06 lb.) |
|   |           | MS4A8-300 | 300 lbs.       | <b>\$893.00</b>     | (\$2.98 lb.) | <b>\$855.00</b> | (\$2.85 lb.) |

### TYPE 13X DESICCANT

SAFETY: Always wear gloves, face mask and safety glasses when handling this product.

| BEAD SIZE   | MESH SIZE | PART NO.   | CONTAINER SIZE | PRICE PER CONTAINER |              |                 |              |
|---|-----------|------------|----------------|---------------------|--------------|-----------------|--------------|
|   |           |            |                | 1 CONTAINER         |              | 2 OR MORE       |              |
| 1/8"<br><small>Size varies .093 to .185 dia.</small>  | 4 x 8     | MS13X4-025 | 25 lbs.        | <b>\$96.50</b>      | (\$3.86 lb.) | <b>\$92.00</b>  | (\$3.68 lb.) |
|   |           | MS13X4-110 | 110 lbs.       | <b>\$391.00</b>     | (\$3.55 lb.) | <b>\$374.00</b> | (\$3.40 lb.) |
|   |           | MS13X4-275 | 275 lbs.       | <b>\$908.00</b>     | (\$3.30 lb.) | <b>\$870.00</b> | (\$3.16 lb.) |
| 1/16"<br><small>Size varies .055 to .093 dia.</small> | 8 x 12    | MS13X8-025 | 25 lbs.        | <b>\$96.50</b>      | (\$3.86 lb.) | <b>\$92.00</b>  | (\$3.68 lb.) |
|   |           | MS13X8-110 | 110 lbs.       | <b>\$391.00</b>     | (\$3.55 lb.) | <b>\$374.00</b> | (\$3.40 lb.) |
|   |           | MS13X8-275 | 275 lbs.       | <b>\$908.00</b>     | (\$3.30 lb.) | <b>\$870.00</b> | (\$3.16 lb.) |



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