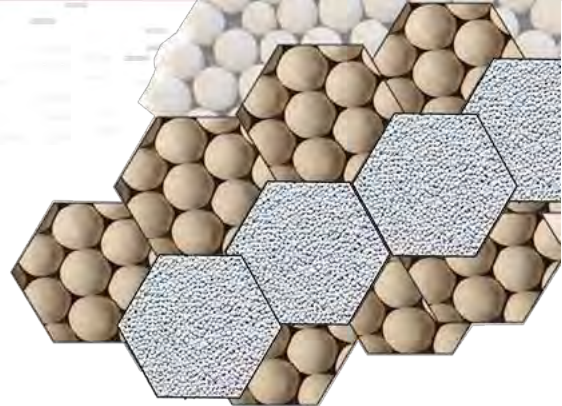


# HYDB100G

## FOR OXYGEN GENERATION

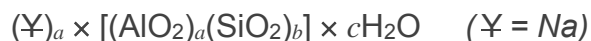


### DESCRIPTION

**HYDB100G** is specially manufactured for oxygen generation and removes contaminants such as water, carbon dioxide, and nitrogen from feed gas. This purification process creates ultra-high purity oxygen that can be used in as an input gas or for breathing oxygen. This molecular sieve offers rapid adsorption/desorption rates with quick mass transfer properties.

- used to remove impurities from oxygen streams
- capable of generating ultra-high purity streams of oxygen
- allows oxygen to be used as an input gas for other processes
- small beads offer rapid adsorption/desorption rates

### CHEMICAL FORMULA



### SPECIFICATIONS

| Molecular Sieve                           |                                   |                                |
|---|-----------------------------------|--------------------------------|
| HYDB100G                                  |                                   | Beads                          |
| Property                                  | Unit                              | 8x12 Mesh                      |
| Diameter                                  | mm                                | 1.68 - 2.36                    |
| Bulk Density                              | g/mL ( <i>lb/ft<sup>3</sup></i> ) | 0.65-0.71 ( <i>40.5-44.0</i> ) |
| Crush Strength                            | N ( <i>lbm*ft/s<sup>2</sup></i> ) | ≥25 ( <i>≥5.6</i> )            |
| Static Water Adsorption                   | wt%                               | ≥30.0                          |
| Static N <sub>2</sub> Adsorption          | wt%                               | ≥9.0                           |
| N <sub>2</sub> /O <sub>2</sub> Separation | -                                 | ≥3.0                           |
| Attrition                                 | wt%                               | ≤0.1                           |
| Moisture Content                          | wt%                               | ≤0.8                           |
| Packaging Options                         | 136.2kg ( <i>300lb</i> ) / Drum   |                                |

### INDUSTRIES USED

oxygen generation

oxygen concentrators

### STORAGE

As an adsorbent, molecular sieve should not be left exposed to open air and should be stored in dry conditions with air-proof packaging.

## CONNECT WITH US...

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