



WARNING

- Contains molecular sieve which can become very hot when exposed to liquid water. Do not use with liquids.
- Maximum pressure 68 bar / 6800 kPa (1000 psig). Wear eye protection and use caution when working with pressurized systems.

PRODUCT INFORMATION

The CRS Model 500 is a high-capacity filter filled with 500cc of pelletized molecular sieve 5A, for highly effective drying of carrier gas streams and other applications. Moisture is reduced to less than 20ppb at most instrument flow rates of 300 cc/min or less. An internal 40 micron frit at each end of the trap prevents particle contamination of your instruments. The Model 500 will remove water from over 20 standard cylinders of compressed air. Approximate dimensions: 2" x 14" with fittings.

Installation: The Model 500 Molecular Sieve Drying Trap is delivered filled with helium; it should be purged before use with the gas to be purified. Remove the plug caps from the fittings at each end of the trap then connect the trap to your gas line.

Regeneration: To regenerate the Model 500 shut off gas flow through the trap and remove it from the gas line, while noting direction of flow through the trap. Heat the trap with nitrogen or helium flow at 100 to 200 cc/min for 24 hours at a temperature of 200 to 250°C, venting to a hood. The direction of inert gas flow during regeneration should be reversed from the direction of gas flow when it is installed in-line. Allow the trap to cool while the process gas is still flowing, then cap the fittings. Regeneration service is available at CRS.

REORDER INFORMATION

| Description | Item No. |
|---|-----------------|
| Model 500 Mol Sieve Trap, 1/8" fittings | 202270 |
| Model 500 Mol Sieve Trap, 1/4" fittings | 202272 |
| Model 500 Mol Sieve Trap, 3/8" fittings | 202274 |
| Regeneration Service | 202254 |

Chromatography Research Supplies, Inc.
2601 Technology Drive, Louisville, KY 40299
Phone: 1-800-327-3800 Fax: 1-502-491-3390
www.chromres.com