



domnick hunter

PNEUDRI High Efficiency Compressed Air Dryers DRYFIL®-MS (Molecular Sieve)

DESICCANT SAFETY DATA SHEET

domnick hunter DRYFIL®-MS desiccant is a high performance Zeolite Molecular Sieve which is "NON-HAZARDOUS" for transportation. It is formed into spherical particles using clay binders, buff coloured, non-volatile and non-flammable.

Handling precautions

The product may contain some dust, if so an orinasal dust respirator should be worn when handling the product. By providing adequate ventilation the dust levels in the working atmosphere should be maintained below 10mg/m³, the recommended maximum level for nuisance dusts.

The product is a powerful desiccant and will dry out the atmosphere, eyes, nose and mouth.

Eyes and skin coming into contact with dust or product should be washed with copious amounts of clean water. If symptoms develop consult a doctor.

Any spillage should be swept away immediately because the spheres roll freely and it is very easy to slip if walked on.

Transportation and tariffs

DRYFIL®-MS is classified as "NON-HAZARDOUS" for transportation.

Storage

The product is stable indefinitely at ambient temperature. It will, however, lose its desiccant and adsorption properties when heated to 900°C/1652°F.

The product evolves heat on contact with moisture. Ideally, it should be stored in a clean dry warehouse, in the original package, on pallets. It should not be stored with materials subject to catalytic decomposition.

Fire and explosion hazard

The product is non-flammable. Any fire should be fought by means appropriate to the material causing the fire. Contact with water will cause the evolution of heat and may thus generate pressure in a confined space.

Handling and disposal of spent material

This information is dependent upon the application. Great care should be exercised with spent material. As a powerful adsorbent the product may retain hazardous or flammable components from the process fluid. The process vessels should be purged of contaminants before discharge, normally after regeneration. To remove residual vapours the spent product should be thoroughly drenched with water during or after discharge.

CAUTION! Heat will be generated!

It is also possible that the product may contain decomposition, polymerisation or trace contaminants from the process fluid and should be treated accordingly. Dust may have been created in service.

The product should be disposed of into a licensed land fill site.

This reply is based on information which was available at this moment in time. To the best of our knowledge we believe this information to be correct at the time of printing.

"SNOWSTORM" FILLER INSTRUCTION SHEET

domnick hunter "Snowstorm" fillers must always be used when recharging **PNEUDRI** compressed air dryers with **DRYFIL**[®]-MS desiccant material.

THE "SNOWSTORM" FILLER

To ensure optimum performance from **PNEUDRI**, it is essential to "Snowstorm" fill with **DRYFIL**[®]-MS desiccant material, recharging using a genuine **domnick hunter** "Snowstorm" filler.

The filler controls the flow of desiccant material to achieve maximum packing density, and avoids channelling and fluidisation, preventing attrition and rapid deterioration of the desiccant bed.

USE OF THE "SNOWSTORM" FILLER

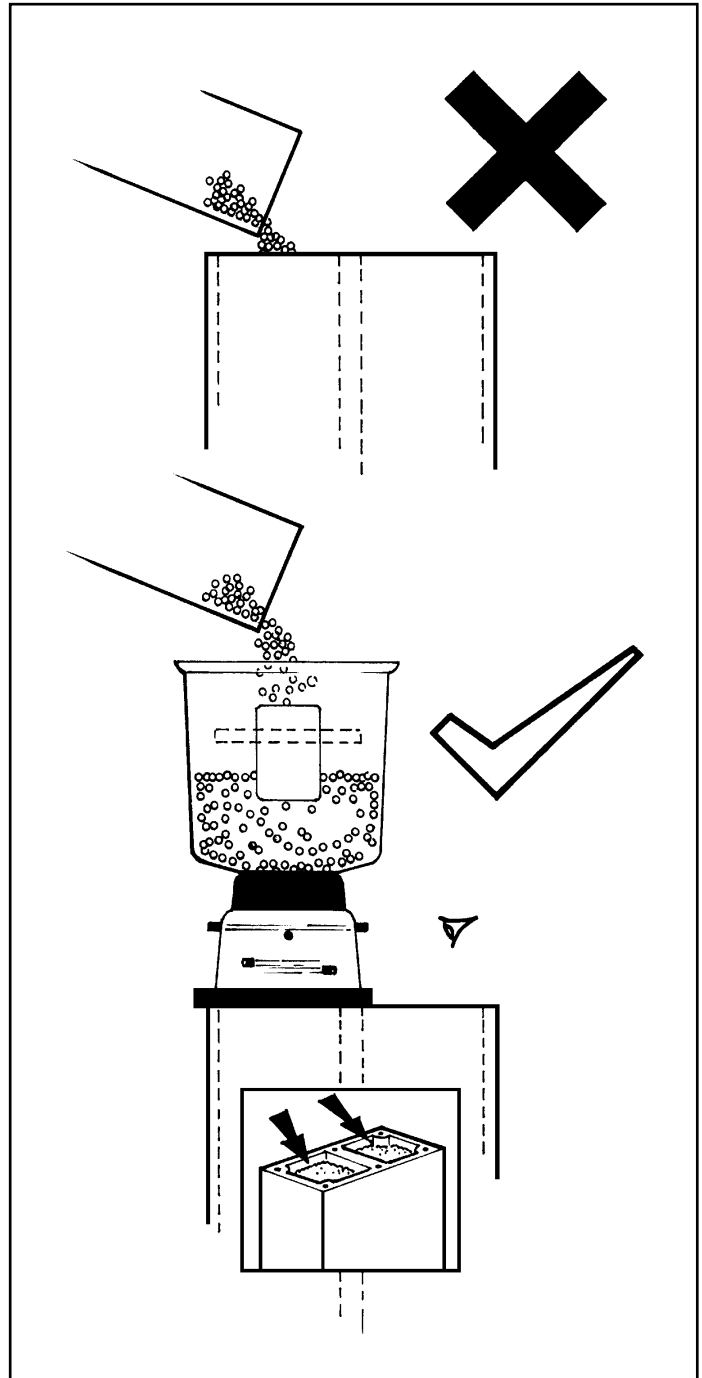
After removing the expended desiccant, place the filler on top of the empty dryer column, using the pins in the base for positive location over the centre of the column chamber.

Pour desiccant into the filler ensuring continuous filling is maintained where possible. As the chamber becomes full, it is possible to monitor through the perspex base the quantity of desiccant required to complete the filling process without causing spillage.

When re-charging a heat regenerative **PNEUDRI** with desiccant, ensure the heater wires are positioned under the slot in the base of the filler, and positively located away from the filling area. This will ensure no obstructions are created within the chamber and allow a continuous flow of desiccant.

IMPORTANT NOTE:

To ensure reliability, always refill **PNEUDRI** with **DRYFIL**[®]-MS desiccant material recharged using a genuine **domnick hunter** "Snowstorm" filler.



*Your Partner in
Compressed Air Purification*

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