

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.

# Speedaire® Silica Gel Desiccant Changing Instructions

## Description

The Speedaire Silica Gel Desiccant is a water adsorbing solid material that comes in beaded form. The silica gel desiccant adsorbs water vapor by physical means, by attracting the vapor into the inside of the silica gel desiccant bead structure. The silica gel desiccant is white in color with blue indicating beads mixed throughout. The blue beads will change to a light pink color once the desiccant is saturated with water vapor. These indicating beads allow a true determination of the silica gel desiccant service condition. Each quantity of the silica gel desiccant is packaged in an air and moisture tight metalized bag to ensure that the silica gel desiccant is dry and has full water vapor adsorbing capacity when installed.

### **The following steps are to be followed when replacing the silica gel desiccant.**

**STEP 1** Isolate the dryer from the system by opening a by-pass valve (if one is installed) and closing inlet and outlet valves. (Dryer system should be installed as referenced in the dryer instruction manual).

**IMPORTANT:** Depressurize the dryer before servicing.

**STEP 2** Push up and rotate the bowl 1/8<sup>th</sup> of a turn to remove the bowl from the unit head.

**STEP 3** Pour the old silica gel desiccant out of the unit bowl. Dispose of the old silica gel desiccant as required by local regulations.

**STEP 4** It is recommended that the inlet tube assembly be cleaned with soap and water with each silica gel desiccant change. This cleaning may not be necessary if the pressure drop across the dryer remains within the required operating limits. It

is also recommended that the dryer components be inspected during each desiccant change out operation. Worn or damaged components are to be replaced or repaired.

**STEP 5** Reinstall the inlet tube assembly if this item has been removed for cleaning and/or inspection.

**STEP 6** Refill the bowl with new silica gel desiccant. Open each supplied replacement desiccant bag and carefully pour the desiccant into the bowl. **DO NOT** allow any desiccant to enter the inlet tube assembly.

**STEP 7** Inspect the bowl to ensure that the o-ring is in place and lightly lubricated. Reassemble the bowl to the head.

**STEP 8** Repressurize the dryer by slowly opening the inlet valve, then opening the outlet valve and finally closing the by-pass valve.

**STEP 9** The dryer can now be operated as described in the unit instructions.

The Replacement Desiccant package consists of the following item:

5VD07 (for 5VC89): 2 lbs Desiccant in two bags with instructions.\*

5VD08 (for 5VC90): 4 lbs Desiccant in two bags with instructions.\*

5VD09 (for 5VC91): 8 lbs Desiccant in four bags with instructions.\*

5VD10 (for 5VC92): 12 lbs Desiccant in six bags with instructions.\*

\* Two (2) changes per package

