Installation Instructions
For all sizes of Single Standard Rotary Syphons
with Threaded Condensate Pipes

For Dryers with Handholes
Follow your company's safety procedures whenever working on Kadant Johnson products. Read all of the instructions before proceeding with installation or repair.

Please refer to the Kadant Johnson assembly drawings for part identification. Assembly drawings are available on request from Kadant Johnson.

Tighten all fasteners in a star pattern. Torque specifications are listed on the product assembly drawing and are available from Kadant Johnson.

A. This syphon has been shipped with its spring in a relaxed position. Prior to installation tension should be applied to the spring (9). Clamp the syphon in a bench vise. Check to be sure that the eye bolt (5) is seated in the bottom of the half moon key slot (12). Using a wrench, thread the two nuts (6 and 7) up the adjusting tube (4) until the top nut reaches the weld stop (11) near the end of the adjusting tube. Lock both nuts together and attach a long piece of string to the eye bolt for purposes of retrieving it later during installation.

B. Stand the assembled syphon unit vertically in the dryer at a convenient holding distance from the handhole end with the condensate pick-up fitting (1) at the bottom.

C. Insert the horizontal condensate pipe through the dryer journal and make up the connection to the syphon. This condensate pipe is normally furnished by Kadant Johnson.

D. Make up a rod (about 1/4˝ O.D.) with a handle on one end and a hook on the other and engage the hook into the eye bolt (5) of the syphon.

E. Move the horizontal condensate pipe until the syphon is at the lengthwise centerline of the dryer. Leave the rod hooked into the eye bolt while moving the syphon.

F. Position the syphon pick-up fitting at bottom of dryer.

G. Unscrew the eye bolt (5) to release the spring tension and move the pressure plate (10) up to contact the top part of the dryer. This is done with the rod mentioned in “D.” The eye bolt should be completely removed. Proper spring tension to hold the syphon in place has now been applied.

H. The syphon is now ready for operation and the rotary pressure joint can be installed.

INSTALLATION SUGGESTIONS
It is suggested that all of the syphons in a dryer section be installed in the same position and that an indicating mark be made on the outside of the dryers. During shutdown periods, the syphon pick-up fittings should be stopped at the bottom so that the dryers will continue to drain.

The standard horizontal condensate outlet connection for these syphons varies from 1/2˝ to 1-1/4˝ depending upon the syphon size. They are sometimes furnished with special pipe sizes for special applications. Check your syphon and joint specifications before the time of installation to verify the horizontal condensate pipe size and type of connection furnished.

All of the condensate handling parts of a standard rotary syphon are of stainless steel construction.