

Installation Instructions

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

For Dryers with Handholes

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.

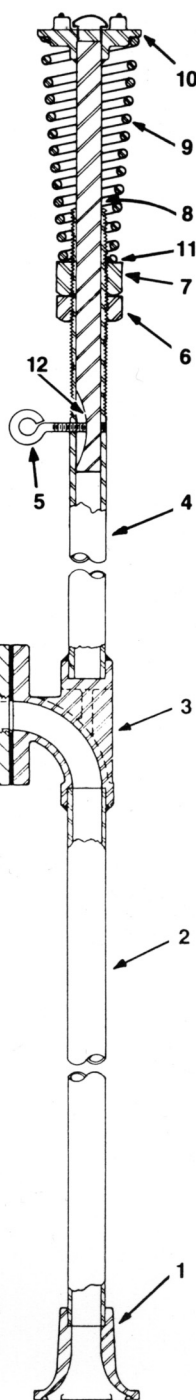
D. Make up a rod (about 6mm O.D.) with a handle on one end and a hook on the other and engage the hook into the eye bolt (5) of the syphon.

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.



DESCRIPTION OF PARTS

1. Round cast stainless steel condensate pick-up fitting with stellite tips on support pads. Bored and counter-bored to provide a smooth flow into the condensate pipe. Socket welded to the vertical pipe.
2. Stainless steel condensate riser pipe socket welded both ends.
3. Cast stainless steel elbow fitting with standard flange for horizontal condensate outlet pipe connection.
4. Heavy-wall steel adjusting tube socket welded to elbow fitting.
5. Spring tension release eye bolt.
6. Jam nut for backing spring tension.
7. Hex nut for applying spring tension.
8. Round steel stud socket welded to pressure plate with close tolerance slip-fit into tube part.
9. Heavy coil spring.
10. Round ductile iron pressure plate with stellite tips on support pads.
11. Weld stop.
12. Half moon key slot.

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 13mm – 32mm 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.

The Kadant Johnson Warranty

Kadant Johnson products are built to a high standard of quality. Performance is what you desire: that is what we provide. Kadant Johnson products are warranted against defects in materials and workmanship for a period of one year after date of shipment. It is expressly understood and agreed that the limit of Kadant Johnson's liability shall, at Kadant Johnson's sole option, be the repair or resupply of a like quantity of non-defective product.

