INSTALLATION INSTRUCTIONS

For all sizes of Single Heavy-Duty Bolt-Down Rotary Syphon

For Installation thru Manholes Only

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.

A. Place the flanged horizontal outlet condensate pipe in the dryer. Insert the plain end out through the dryer journal and loosely make up the flanged connection to the elbow fitting (#3) of the syphon. (The flanged pipe, bolts, nuts and gaskets are usually furnished by The Johnson Corporation.) Position the syphon with the pick-up fitting opposite the manhole opening.

B. As this is a bolt-down style syphon, mark the position of the two holes (opposite corners) using the syphon pick-up fitting as a guide. Drill and tap for 3/8-16 bolts with a maximum thread depth of 1/2". Use drill stops and clean out the holes when finished.

C. With (2) 3/8" stainless steel hex head bolts, flat washers and lockwashers secure the pick-up fitting to the dryer shell.

D. Turn hex nut (6) to compress the heavy duty coil spring (8) and to move the pressure plate (9) up and into contact with the upper part of the dryer shell. Continue to turn nut (6) until it has reached the weld stop (10) near the end of the threaded adjusting tube. Lock nut (5) against nut (6).

DESCRIPTION OF PARTS

1. Oval shaped cast stainless steel condensate pick-up fitting with stellite tips on support pads. Investment cast for smooth flow transition into vertical condensate pipe.

2. Schedule 40 stainless steel vertical condensate pipe socket welded to pick-up fitting and to elbow fitting.

3. Heavy duty long-sweep investment cast stainless steel elbow fitting with standard flange for horizontal pipe connection.

4. 1½" heavy wall steel tube socket welded to elbow fitting.

5. Jam nut for securing spring position.

6. Hex nut for applying spring tension.

7. 7/8" round steel stud socket welded to pressure plate with close tolerance slip-fit into tube part.

8. Heavy duty coil spring.

9. Ribbed oval-shaped ductile iron pressure plate with stellite tips on support pads.

10. Weld Stop.