

## Overview

### Applications

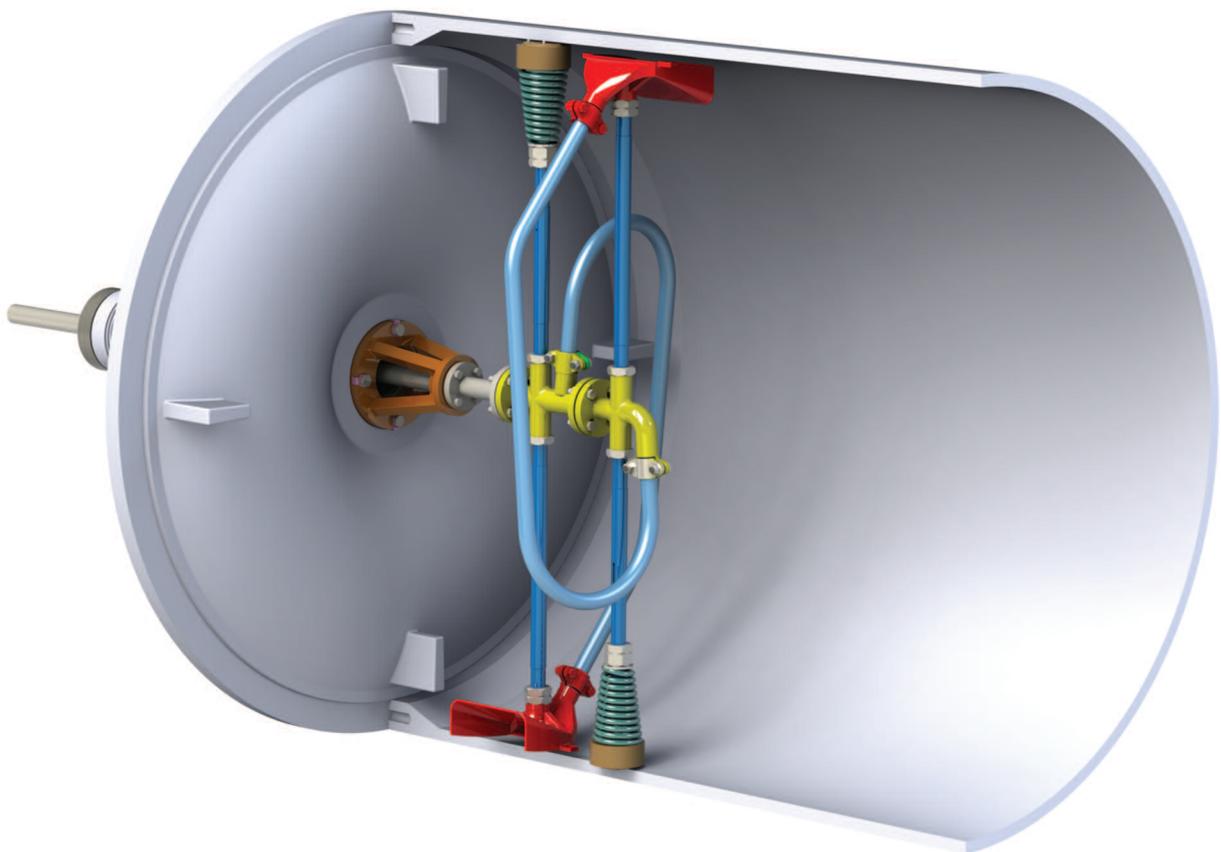
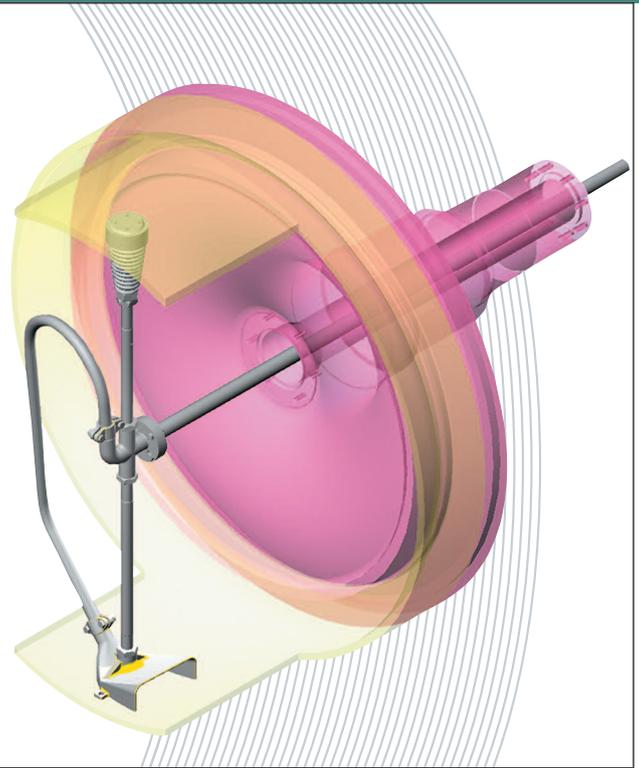
The rotary scoop syphon is designed for non rimming cylinders with access to inside the dryer via a manhole. The scoop syphon operates by accumulating condensate during its travel through the puddle near the bottom of the dryer. As rotation continues, the scoop mechanically lifts the condensate to the centre pipe and discharges it out of the dryer, through the horizontal pipe.

### Features

- ▶ Stainless steel scoop
- ▶ Low clearance syphon gap
- ▶ No grinding of scoop required
- ▶ Syphon can be bolted directly to the shell or held by a spring-loaded leg

### Benefits

- ▶ Corrosion and erosion resistance, long operating life
- ▶ Minimises blow-through
- ▶ Optimal condensate evacuation
- ▶ Mounting flexibility



# ROTARY SCOOP SYPHON

## Installation

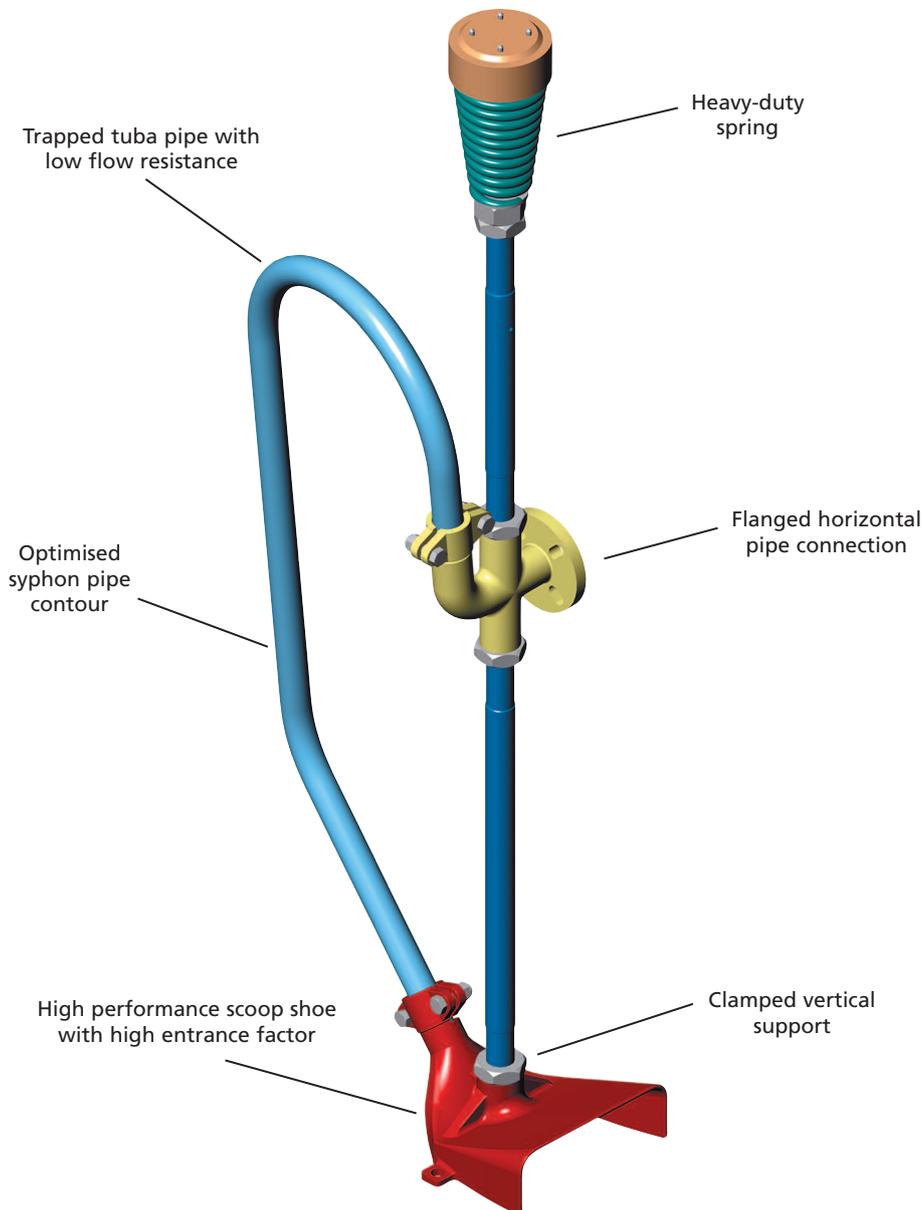
A manhole opening is required to install the unit. Installation is simple, and requires approximately 20 to 30 minutes per cylinder with the spring-loaded mounting.

Position the assembled syphon unit vertically at the approximate final location inside the dryer with the pick-up shoe at the bottom (six-o'clock position). The flanged outlet of the elbow fitting should face the condensate outlet end of the dryer (toward the journal).

Place the flanged horizontal pipe inside the dryer. Insert the plain end through the journal and connect the flanged end to the scoop syphon flanged connection.

Check the location of the syphon, making sure that the horizontal pipe extends through the journal the proper distance for the rotary joint installation.

Turn the hex nut to compress the coil spring and to move the counter weight (similar to a pressure plate) up and into contact with the upper part of the dryer shell. Continue to turn the nut until it has reached the weld stop. Tighten the lock nut against the hex nut. The installation is complete.



**KADANT**  
AN ACCENT ON INNOVATION

Kadant is a global supplier of high-value, critical components and engineered systems used in process industries worldwide.

[www.kadant.com](http://www.kadant.com)

### Contact us:

KADANT JOHNSON EUROPE B.V.  
Postbus 68  
1380 AB Weesp  
The Netherlands

Tel: +31 294 494200  
Fax: +31 294 431359  
[custserv.weesp@kadant.com](mailto:custserv.weesp@kadant.com)

Rotary Scoop Syphon-1003 (BR EN) 05/2015  
Replaces: Rotary Scoop Syphon-1002 (BR EN)  
© 2015 Kadant Inc.