

LJX™ Rotary Joint and Syphon System

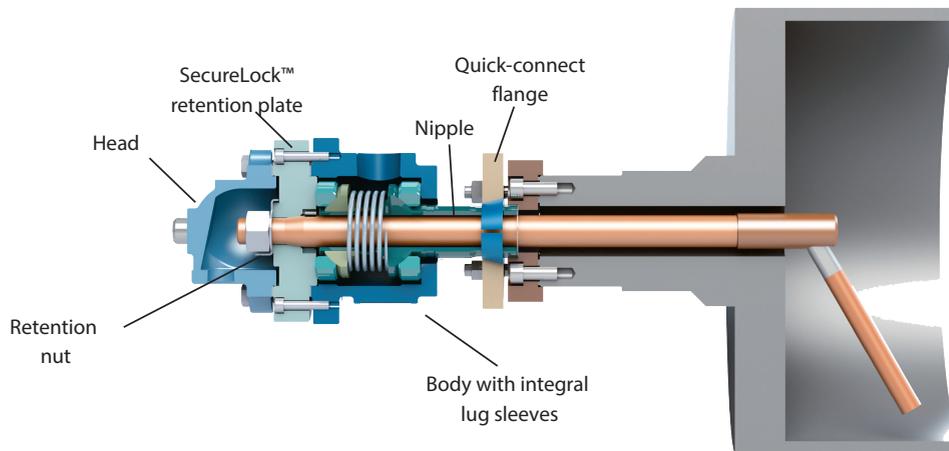
Safe, Secure, Simple

The LJX rotary joint and syphon system provides maximum heat to medium and liner for improved bonding at higher speeds. Designed specifically for preheater, preconditioner, pressure, and centrally-heated fluted rolls, the rigid joint and syphon system is a simple and cost-effective upgrade to a safer and more reliable solution for increasing roll temperatures across all board combinations from light to heavy weights.



Specifically designed to retrofit critical rolls on the single facer, the LJX rotary joint and syphon system is a heavy-duty, robust combination engineered to deliver maximum heat across all board combinations and enhance safety around the single facer. The rigid assembly eliminates deficiencies found in conventional syphon systems where syphon failures are common, condensate behavior is erratic, and roll temperatures fluctuate.

Achieving maximum roll temperatures across all board combinations and weights is done through proper control of the syphon clearance. A one-piece, thick-wall mechanical tube and integral tapered-wedge provide rigidity of the syphon, and the SecureLock™ retention plate in the rotary joint secures the syphon in place. Once the locking elbow is engaged, the syphon clearance is fixed. Bouncing syphons, deflecting bent pipes, and syphon failures are eliminated.



Features

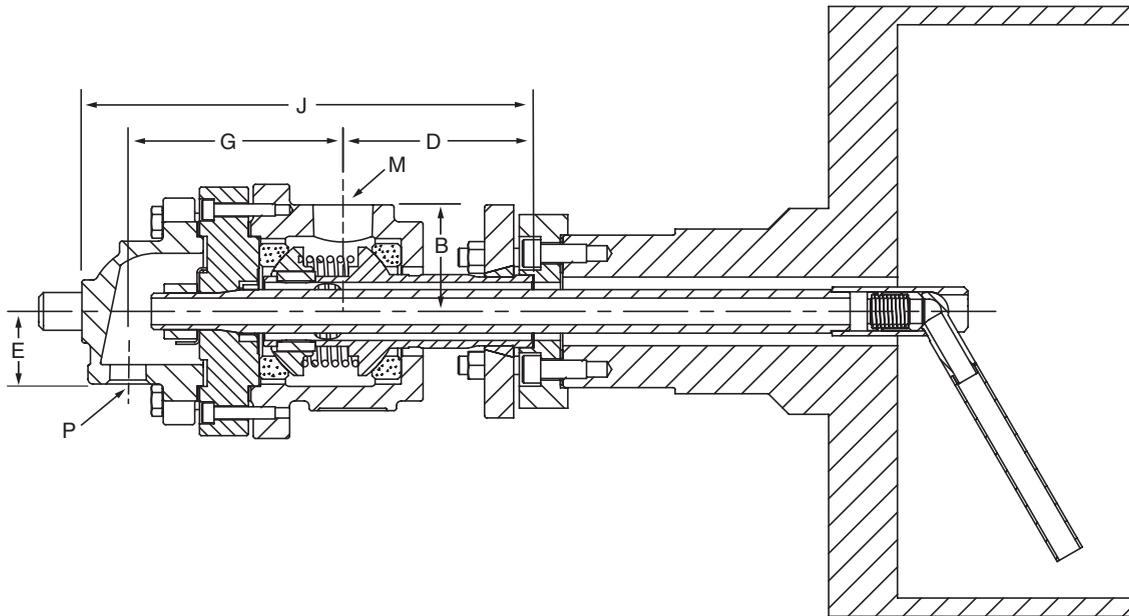


- SecureLock™ syphon retention plate
- Ultra-rigid syphon assembly with self-locking elbow
- Heavy-duty mounting rods with integral sleeves
- Visual seal ring wear indicator
- Simple upgrade with no piping modifications

Benefits



- Improved bonding, especially at higher speeds
- Maximum heat across all board combinations and speeds
- Increased equipment reliability and operating life
- Cost-effective upgrade and quick ROI
- Safer operating environment

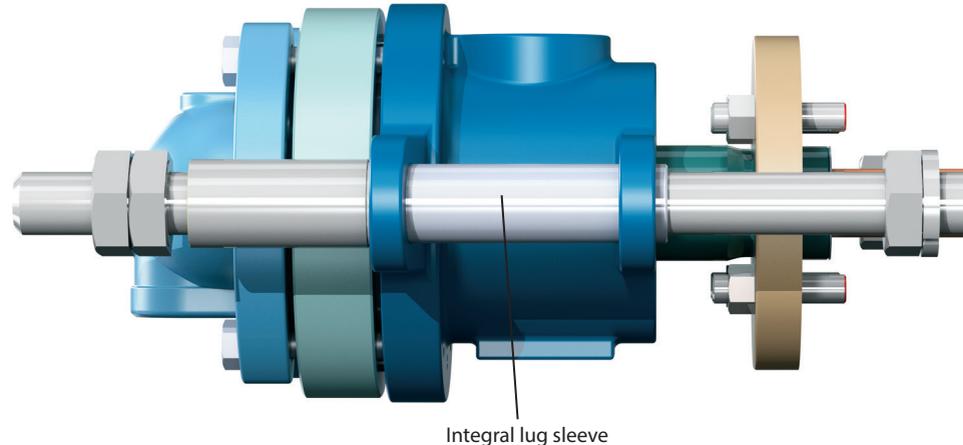


Ratings*

Maximum Pressure:	510 psig (34 bar)
Maximum Temperature:	550°F (288°C)
Maximum Speed:	350 RPM

**Running at maximum ratings for speed and pressure simultaneously is not recommended.*

Size	M	P	B	D	E	G	J	Units
1½"	1¼"	¾"	2.75	4.90	1.88	5.53	11.62	Inches
			70	124	48	140	295	mm



To ensure the rods are well-supported, sleeves are inserted through the body lugs. The integral sleeves provide a larger surface area for the support rods and eliminates lug-hole wear found in conventional rod-supported joints. This heavy-duty mounting arrangement maintains rotary joint alignment over time extending seal ring life and ensuring the syphon location remains fixed at the desired clearance.

Dimensions are for reference only and subject to change.