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Southern Paper Group  
*Turn to us.*

## Oscillating HP Needle and Fan Showers from Southern Paper Group – Spray Division

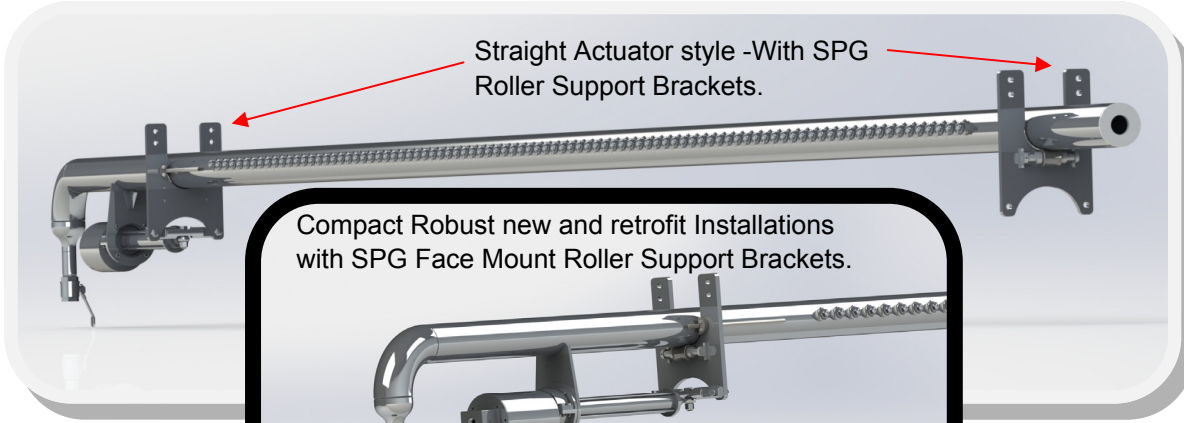
SPG offers a variety of **Severe Duty™** Oscillating HP Needle Jet and Fan Showers for the Pulp and Paper Industry including custom designs to meet your most demanding showering requirements.

Oscillating Shower types include-

- New Assemblies or Retrofit to SPG smooth oscillation design from your existing setup.
- SPG Rollers afford radial alignment and very low thrust requirements– which translates into longer life for oscillators regardless of what brand oscillator you use.
- Double Tube—Pipe in Pipe OEM Showers that have stationary outer pipe can easily be modified to smooth / low thrust linear oscillation by using the SPG Roller Bracket design.
- Replacement Brush Shower Headers to replace existing non-brush showers.
- High Pressure Needle Jet Single and Pipe in a Pipe Shower examples– with both pipes oscillating or use keep stationary outer pipe and oscillating inner pipe design– the choice is up to you and what is best for your application.
- Custom brackets and drive clamps -reuse your existing shower oscillators
- SPG Electromechanical Shower Oscillators and **Severe Duty™** rebuilds of your existing oscillators as shown below



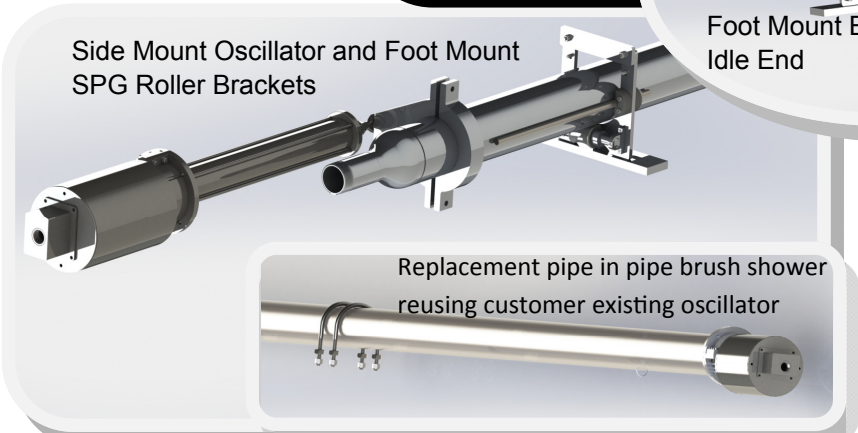
Innovative SPG Bracket Design allows use of your existing Kadant EMO III Oscillators with low thrust SPG Roller Brackets.



Straight Actuator style -With SPG Roller Support Brackets.



Compact Robust new and retrofit Installations with SPG Face Mount Roller Support Brackets.

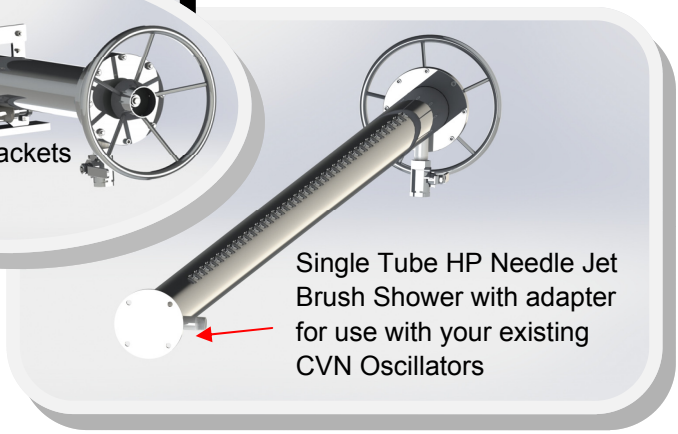


Side Mount Oscillator and Foot Mount SPG Roller Brackets

Replacement pipe in pipe brush shower reusing customer existing oscillator



Foot Mount Brackets Idle End



Single Tube HP Needle Jet Brush Shower with adapter for use with your existing CVN Oscillators