

AUTOMATED BRUSH ROTATION SYSTEM SHOWER AUTOBRUSH

Cleans nozzles and inside of shower pipe and automatically flushes out the debris. Reliable protection from plugged nozzles tailored to shower water quality. Programmable cleaning cycle and manual activation.

- Designed to fit all new and existing CVN brush showers.
- Automatic cleaning cycle - programmable from 1-12 hours between cleaning.
- Automated pneumatic purge valve to flush debris out of the shower.
- Operator initiated cleaning at the push of a button.
- Brush mechanism and flush valve are separate which allows full velocity flushing cleaning cycle and unrestricted operation of the brush mechanism.
- CVN Brush Showers and Shower-in-Pipe both stationary and oscillating are available with a wide variety of SS needle and fan nozzles. CVN Actuator/Oscillators are available.
- 12 month warranty.

GENERAL

The **Automated Brush Rotation System** is mounted and supported on the end of the shower pipe with a victaulic coupling. The pneumatic flushing valve may be located on either end of the shower depending if a shower actuator/oscillator is also installed on the system.

The victaulic coupling between pipe and brush mechanism allows easy removal of the brush mechanism. The brush mechanism is self supporting within the shower pipe and the brushes and brush rod are in 316L stainless steel. All other wetted parts are in 316L stainless steel.

The brush rotation when activated rotates five complete revolutions, then rotates the opposite direction clockwise/counterclockwise on the next activation cycle. This prevents a broom effect on the brushes. Shower nozzle tips extend slightly into the inside shower pipe for effective cleaning without deforming the brushes.

The **Automated Brush Rotation System** is designed to fit all new and existing CVN brush showers with manual brush rotating mechanisms. Simply remove the coupling, replace the shaft extension, and reassemble shower.

TECHNICAL DATA

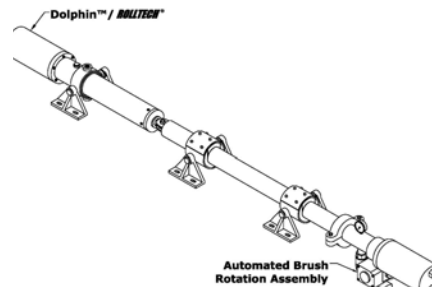
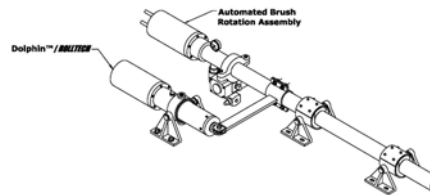
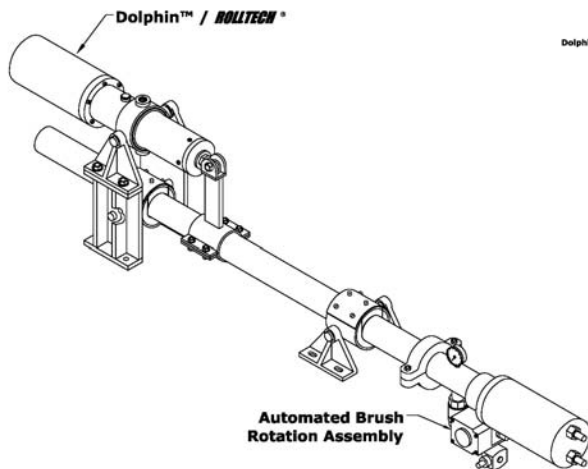
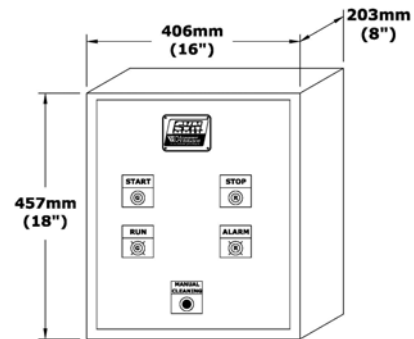
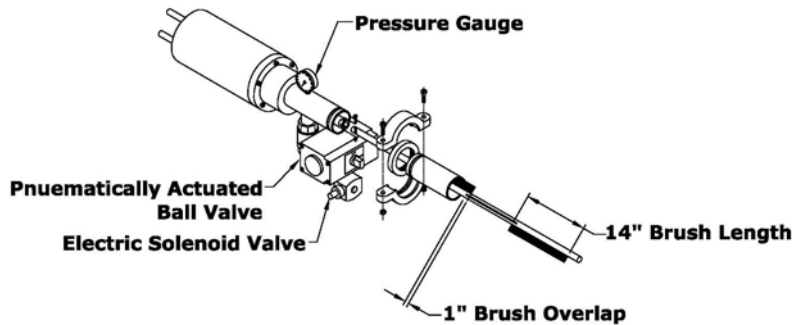
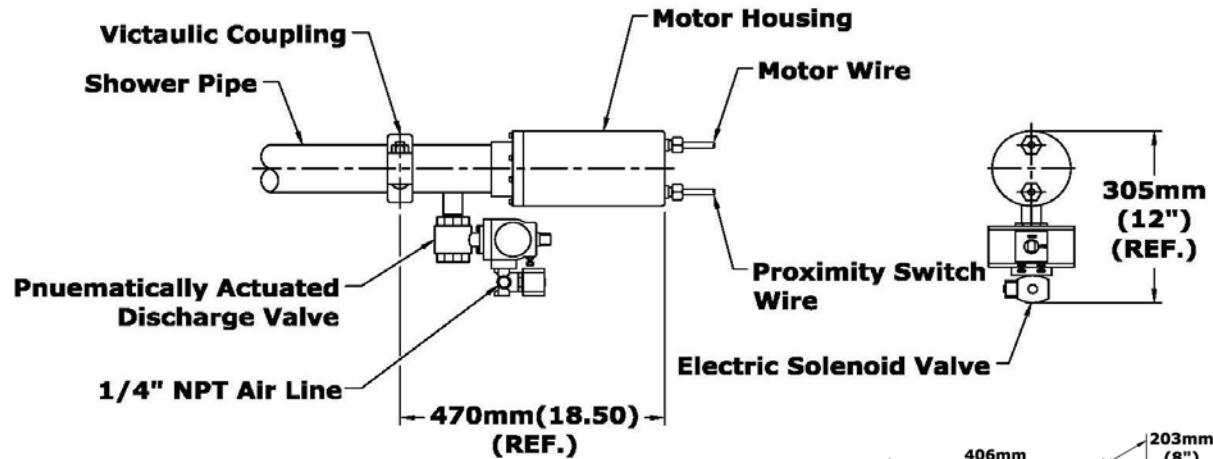
Type	The Automated Brush Rotation System for stationary and oscillating brush paper machine showers to achieve complete coverage cleaning.
Manufacturer	CVN Vooner Paper Machinery, Greenville, TN, USA
Wetted Parts	All wetted parts 316SS
Lubrication	No lubrication required, O-ring seals.
Maintenance	None
Control Panel	NEMA 4X, H - 18 inches, W - 16 inches, D - 9 inches, door safety switch, material fiberglass. 110VAC power, (2) 4 amp thermal breakers PLC is Modicon Twido Start and stop buttons, manual push button. Two (2) lights: Run and alarm. No connection for DCS. International voltages available.



Motor (fixed speed)	0.013 horsepower (0.0097 kw) 110 VAC, single phase, 0.4 amp. An integral 45:1 gear box is attached for brush rotation speed of 1.33 rpm.
Flush Valve	1" Pneumatic Ball Valve with Direct Mount Solenoid 1/4 " AIR connection Air Input: 125 psi, Air Flow Rate: 0.9 l/min at 120 psi Solenoid 20 watts power 120 VAC connection to Control Panel
Weight	40 - 60 lbs Dependent on shower size.
Temperature	Maximum motor shell temperature is 100° C (212° F).
Noise	less than 80 decibels



DIMENSIONS AND MOUNTING



SERVICE

- Spare actuators, parts, and rebuild services are located in Greeneville, Tennessee.
- Onsite technical service is available from Greeneville, Tennessee.



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