

UV INK AGITATOR



Ink agitators have become a necessary component for the sheetfed and web printer and a critical element to both UV and EB printing. The CMYK Ink Agitator eliminates ink separation from the roller, as well as ink skimming, which in turn greatly reduces the probability of hickies. In addition, agitators help control ink pickup, ink tack and ink moisture content, as well as prevent ink separation and ink knife damage to the fountain.

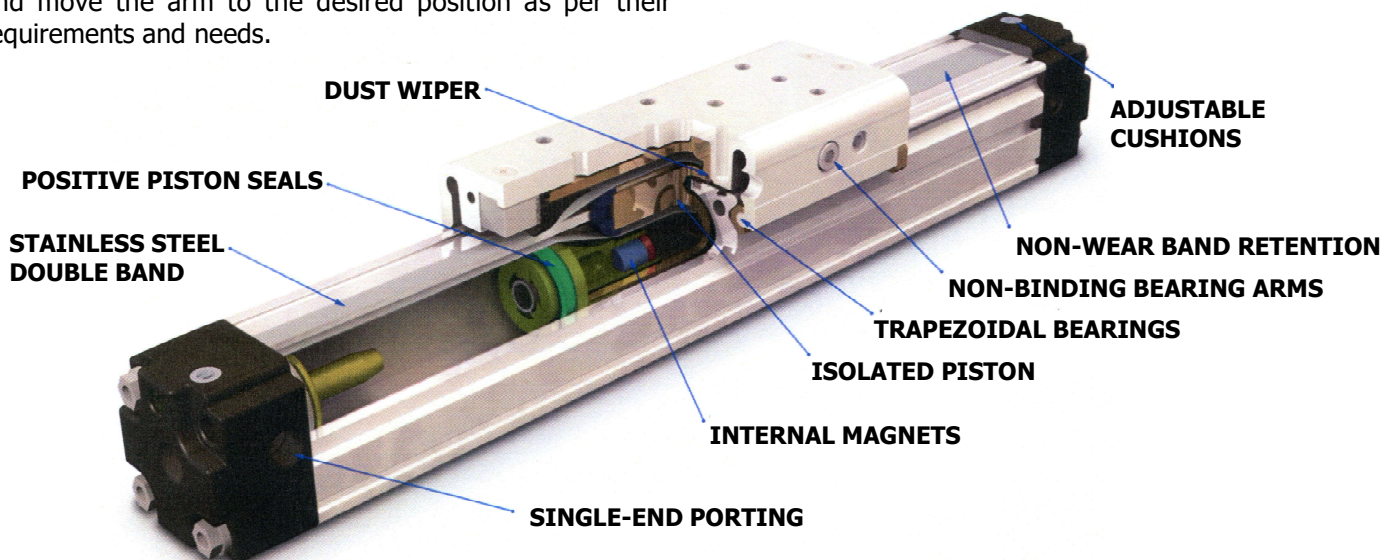
The CMYK Ink Agitator is available in either a one-piece or two-piece version and uses two agitating arms as opposed to the typical cones. The agitating arms can be removed from the agitator bar in seconds and require no gearing mechanism or track, ensuring reliable, long-term performance. The most apparent advantage to this design is the versatility of the installation, enabling the bar to be positioned almost anywhere above, in front, or below the fountain therefore allowing the pressman full access to the fountain at all times.

In addition to the versatility of bar location, another significant advantage to our arm design is its capability to force ink up against the fountain roller on every pass. More and more printers are having issues with ink separation from the roller, and this design completely eliminates the problem. Another advantage is the flexibility of the stainless steel arms, allowing the pressman to tweak and move the arm to the desired position as per their requirements and needs.

The heart of the CMYK Ink Agitator is a patented, rodless, double-band pneumatic cylinder. The inner sealing band creates a tight metal-to-metal seal while the outer band keeps ink and dust away from the sealing band. This low profile agitator (2" x 2") requires no electricity, includes a speed controller, and is designed with the pressman's safety in mind. Should anything interfere with the movement of the agitating carrier bracket, it will simply reverse direction.

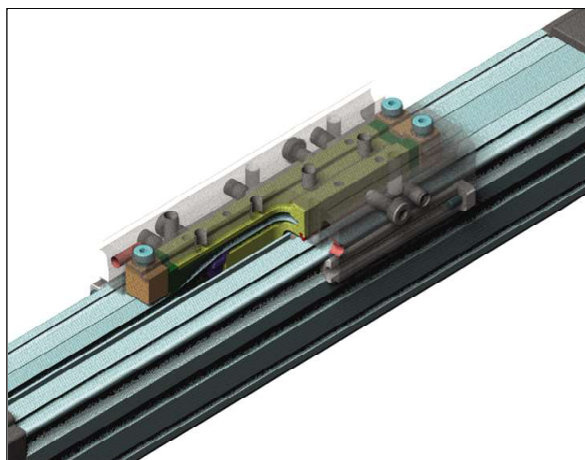
FEATURES AND BENEFITS

- Pneumatic double band air cylinder
- One-piece or two-piece agitator design
- Stainless steel arms can be bent to fit customer's needs
- V arm design forces ink up against roller on every pass, eliminating ink separation
- Complete with on/off switch and Speed controller
- 2" x 2" (5 cm x 5 cm) compact design cylinder that can be placed over, in front, or below the fountain.
- No electrical required
- Control box 1.5" x 3" x 9.5" (38 mm x 76 mm x 241 mm) can be placed on either the gear or operator side of the press, above or below the agitator bar
- Customized mounting brackets
- Removable agitator arms for easy change out and cleaning
- Agitator arms change direction on contact and cannot stall
- Single-end porting allows convenient one-end air connection



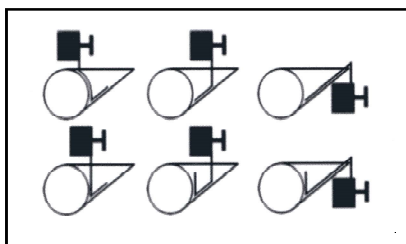


Pneumatic control box (1.5" x 3" x 9.5") can be placed on either the gearside or operator side of press, and above or below the agitator bar depending on bar location. Controls include a pneumatic on/off switch and speed controller with a simple push and lock air fitting for either 1/4" or 6 mm OD air line. Pneumatic controls prevent agitator stalling and include a safety design feature that can reverse direction when in contact with something or somebody.

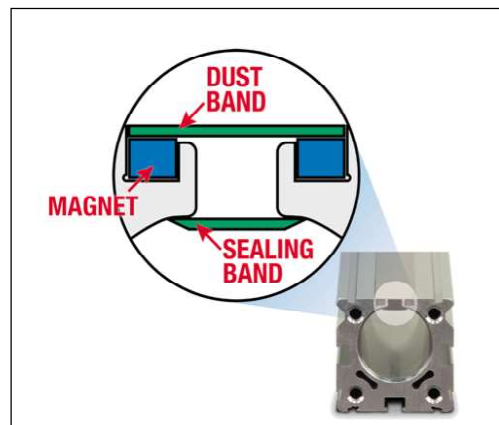


- Unique design isolates the piston from the applied load, extending the service life of the piston seals
- Piston remains isolated even when the carrier is deflected under load
- Piston bracket and carrier feature single piece extrusions, reducing failure points

Installation Options



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- Magnetically retained bands are not subject to wear as they are mechanically retained systems
- Immediate band engagement and release results in less drag on piston for lower breakaway force during initial carrier movement
- Both interior sealing band and exterior duct band made of fatigue resistant stainless steel
- Does not stretch like bands made of rubber or polymer materials
- Stainless steel sealing bands resist blow out during pressure spikes that may occur during high-velocity cushioning



In addition to its effective agitating ability, this new design using stainless steel arms has a significant advantage over old technology with its capability to force ink up against the fountain roller on every pass. More and more printers are having issues with ink separation from the roller and this new design completely eliminates this problem. Another advantage is the flexibility of the stainless steel arms, allowing the pressman to tweek and move the arm to the desired position as per their requirements and needs.

Technical Specifications

Air Requirements	80 - 120 psi (5.5 - 8.2 bar)
Air Consumption	.4 scfm
Airline in	1/4" O.D. (6 mm) - push and lock fitting
Control Box Dimensions	1.5" x 3" x 9.5" (38 mm x 76 mm x 241 mm)
Agitator Bar Dimensions	2" x 2" (50 mm x 50 mm)

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