

SILICONE APPLICATOR AND REMOISTERING SYSTEM IN ONE

Ever since 2004 Contiweb has introduced a remoistening and silicone applicator system successfully in the market. Based on the experience with over 200 systems worldwide, Contiweb developed a new approach how to use silicone better and more efficient without losing any performance on the remoistening function: the Contiweb Fluid Applicator (CFA). The new CFA now introduces the ability to mix pure silicone oil with water on-the-fly within one system. By delivering a fresh mix which is used immediately, only a single agent is required as surfactant, which helps to control the delicate balance required for maintaining uniformity and consistency of the film of silicone and water on the web. The oil drops in the mixture are extremely large compared to standard silicone emulsions. The result is that the oil is not absorbed by the paper, but stays on top where it offers a much better protection.

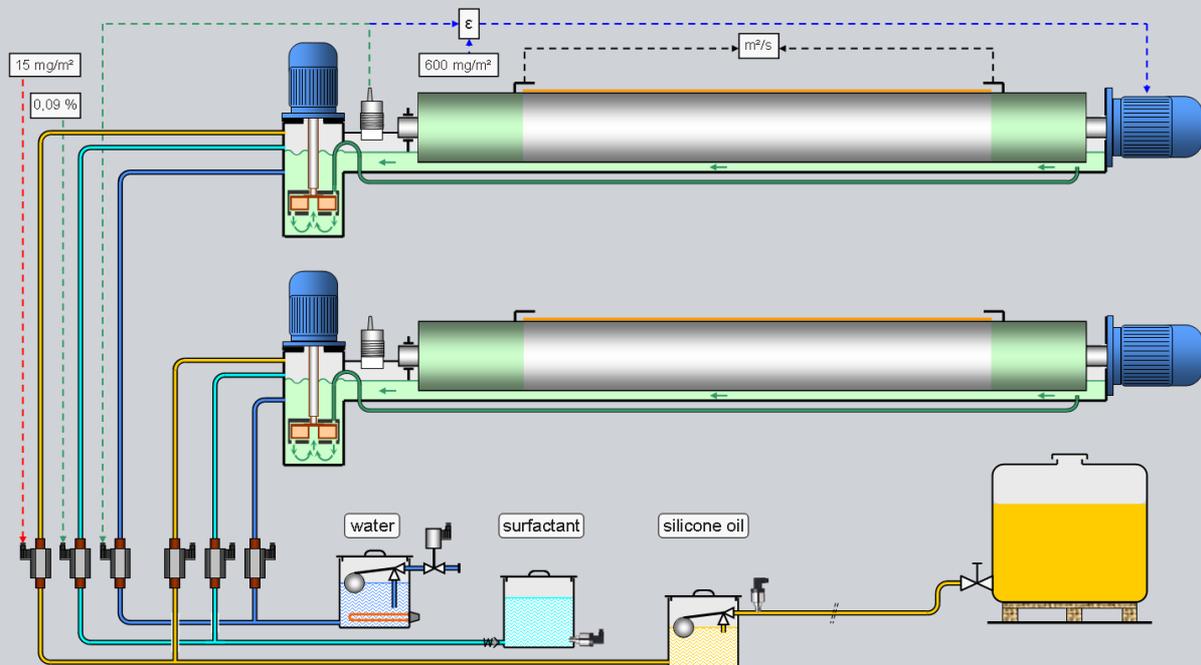
This system controls individually the oil and water content for each individual side of the paper. The function of remoistening is fully guaranteed and requires no special precautions. This newly adapted technology and design guarantees reduction of 50 percent in silicone oil consumption. In addition to the performance benefits, the new system offers considerable financial gains, including approx. 50 percent savings on the current cost of silicone.

INNOVATION

The principle of the new system is based on the use of 100% silicone oil, mixed with the amount of remoistening water directly in the applicator trays, immediately before it is applied to the printed web. The stability of this mixture is low and the oil drops in the mixture have the benefit to offer a better protection by using less silicone.

- Contiweb Fluid Applicator (CFA) offers more control and immediate cost savings.
- Additional longer-term savings through reduced equipment wear and maintenance.
- Optional and retrofittable on Ecocool and Ecocet models or available as standalone unit.





FEATURES AND BENEFITS

- Average a reduction of 50% in silicone oil consumption
- Minimum of 50% on cost savings
- Optional and retrofittable on Contiweb Ecocool and Ecoset models or available as standalone unit
- Mixes 100% silicone oil and water, only one surfactant required
- Larger oil droplets stay on the surface of the web – better protection
- Enhanced product quality
- Eliminates ink picking
- Allows fine control of web moisture balance – measurable and repeatable
- Avoids web shrinkage issues
- Easier post press handling – no cracking, curling, folds
- No contamination in the silicone mixer (no unwanted additives or wax)
- Folder rollers remain lubricated
- Long-term savings on equipment maintenance

