

Dahlgren Dampening System

The introduction in the early 1960s of the Dahlgren Dampening System was a massive step forwards, but by present standards inferior to the Four-roller, configuration squeeze roller dampeners such as - Alcolor and Komorimatic

Inferior

- 1) Why- because it's a Three-roller, inker feed configuration. For this type of system to be effective a 15/20% Alcohol enriched dampening fluid is needed.
- 2) The dampening fluid is delivered to the first plate inker/plate dampener, this dual purpose roller is also softer and a larger diameter. The settings of this roller are critical.
- 3) Due to the heavy stripe settings needed and the presence of so much water on the dual purpose roller, also its position at the Slip Nip with the Chrome Transfer Roller is a hindrance.
- 4) This hindrance is the cause of problems such as, Emulsification, Ghosting and Ink-feed Back into the dampening system