

Stock Approach System

Applications

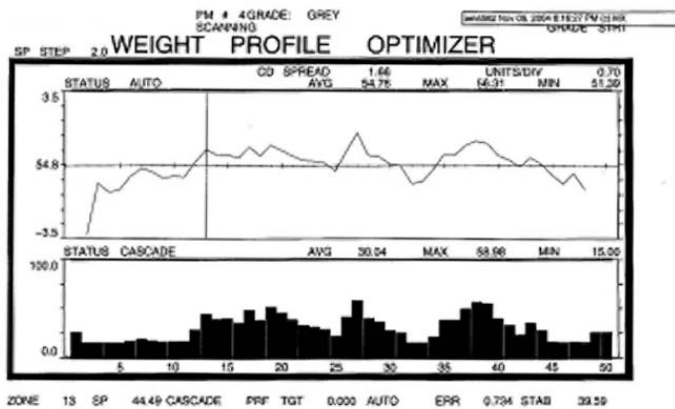
The Octopus Stock Approach System is used on a variety of headboxes, hydraulic formers, and vats to improve CD basis weight profile. This profile management tool permits the papermaker to minimize variation, improve sheet properties, and increase profitability.

Features

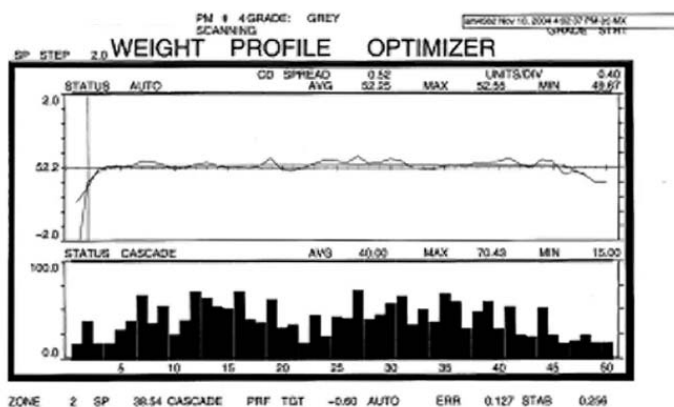
- ▶ All wetted parts stainless steel
- ▶ Automatic air pad pressure compensation control
- ▶ Optional CD consistency profiling
- ▶ Applicable to headboxes, hydraulic formers, and vats

Benefits

- ▶ Provides uniform CD flow/basis weight management
- ▶ Does not require operator to balance unit in response to flow changes
- ▶ Dampens pressure pulsation
- ▶ Reduces entrained air
- ▶ Reduces fiber floc size



No Dilution Profiling



Automatic Dilution Profiling Results

Octopus Systems include:

- ▶ Distributor/Attenuator
- ▶ Hoses and clamps

Options include:

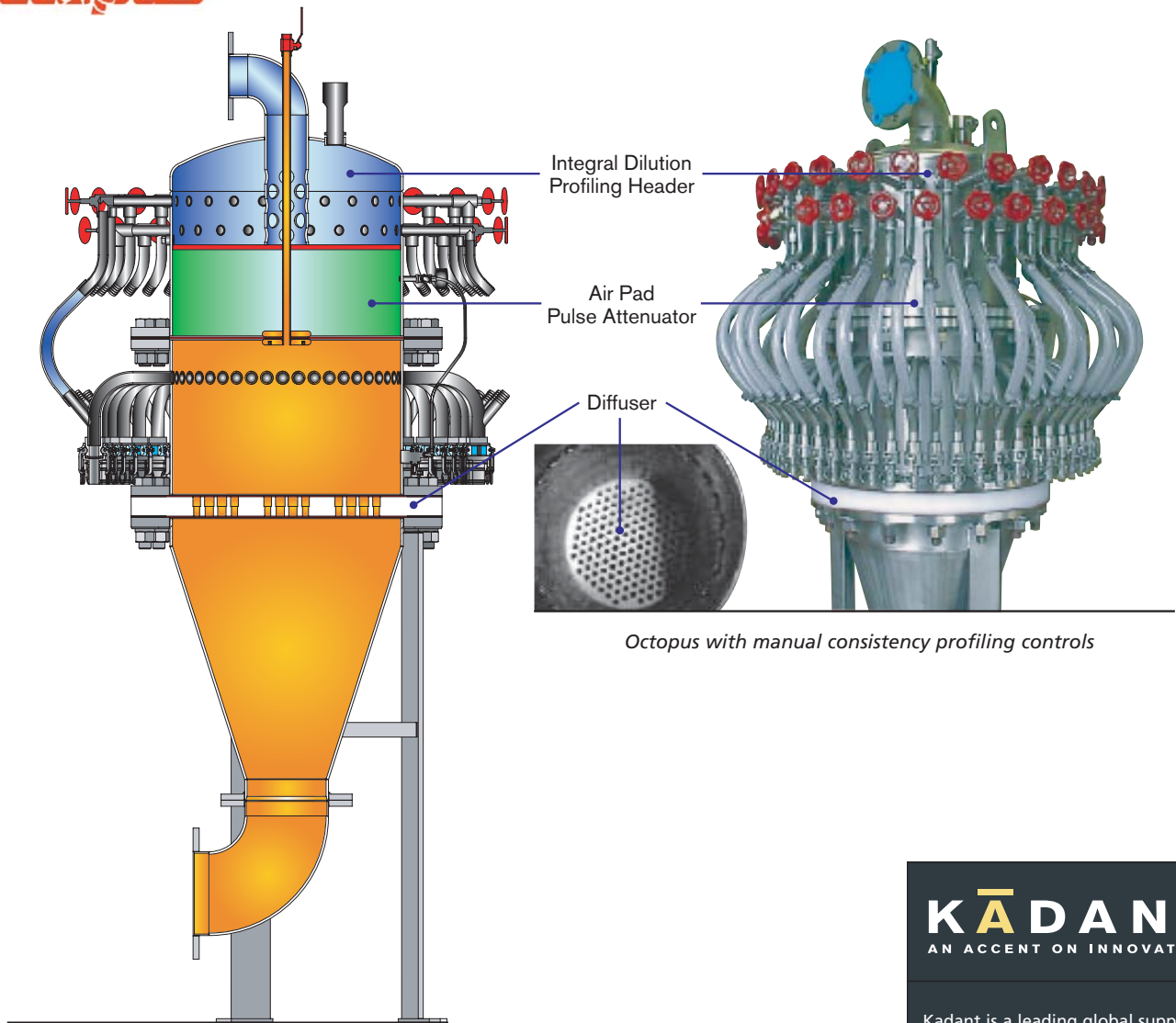
- ▶ CD profile control
- ▶ Custom designed headbox inlet adapter



Octopus with manual control valves

PROFILE MANAGEMENT SYSTEMS

Octopus



Octopus with manual consistency profiling controls

Octopus Stock Approach Systems with dilution profiling ability allow the control of CD profile while paper machines are operating. A radial-type distributor, Octopus supplies a forming device (headboxes, hydraulic formers, and vats) with uniform flows across the width of the paper machine without the need for recirculation. Octopus Systems are also flow rate insensitive. Internal diffusers reduce floc formation and an air bleed reduces entrained air. An air pad section reduces pulsation caused by fan pumps and pressure screens.

As basis weight supplied to each zone of the forming device is a function of flow and consistency, CD basis weight can be controlled by the Octopus' ability to vary consistency in each supply zone. Consistency control of each zone is controlled off-machine, allowing operators to make profile corrections safely while the paper machine is in operation. Papermakers can expect reduced dry weight variation as well as a significant reduction of scrap due to profile variation.



Octopus feeding air padded headbox

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