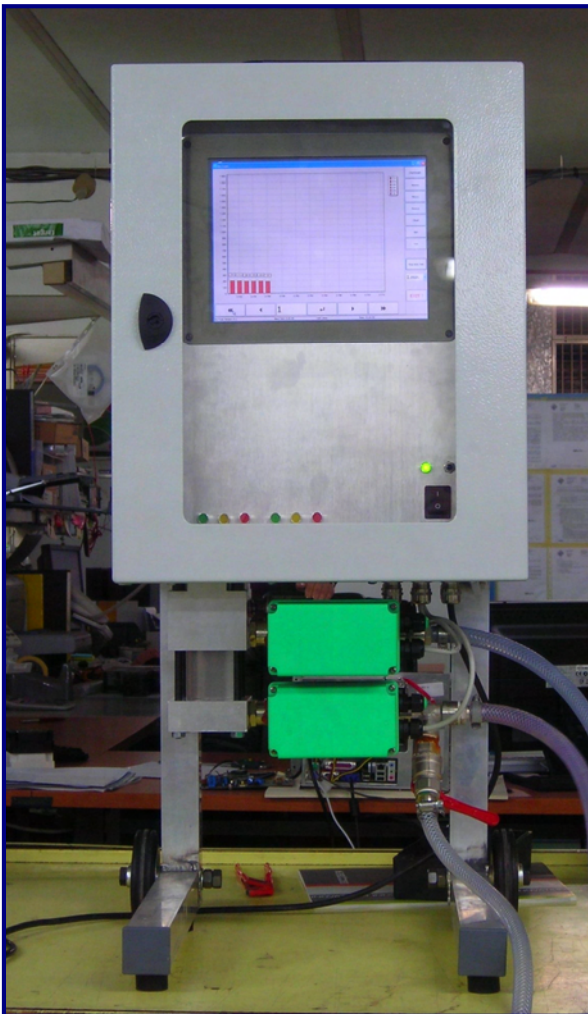


On Line Automatic Monitoring of Air Content and Foam Control in Paper Production



Foam production is a natural consequence of the paper making processes. Foam production arises from the raw materials themselves, additives used in the process and from mechanical effects of the process itself.

Foam control is an everyday necessity and dependant on the timely addition of anti-foam. Inadequate foam control increases your costs and causes serious technical problems:

- **Decreased pump capacity and cavitation damage.**
- **Reduction of drainage and sheet formation.**
- **Decreased production capacity**
- **Foam spots on paper and structural defects.**

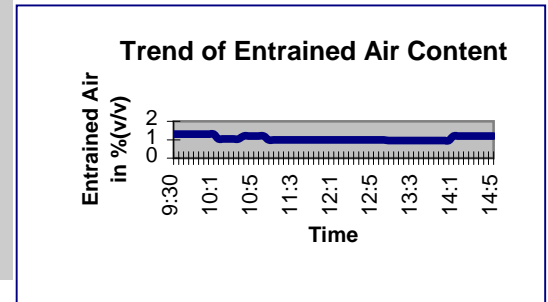
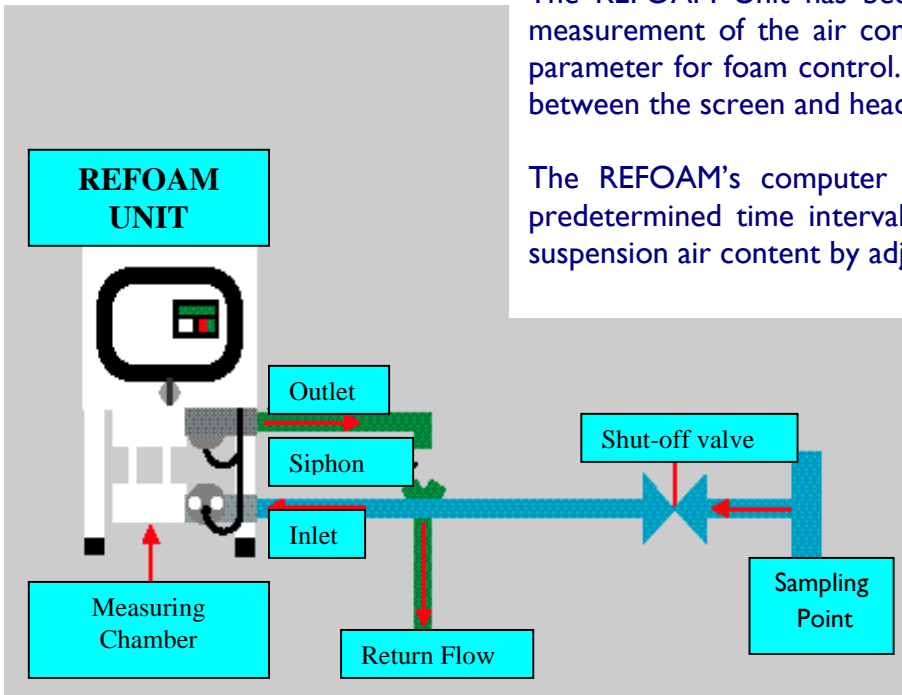
So why spend your time on foam control when you can automate it ?

REFOAM

the on-line automated foam control unit

The REFOAM Unit has been specifically designed for the on line measurement of the air content in the stock suspension, the main parameter for foam control. Typically the REFOAM Unit is installed between the screen and head box on the production line.

The REFOAM's computer and software takes measurements at predetermined time intervals and automatically manages the stock suspension air content by adjusting the Antifoam dosage.



The REFOAM unit provides

- Continuous control of air content in stock suspensions.
- Reductions in maintenance costs
- Chemical savings due to treatment optimization
- Improvements in quality of finished paper

REFOAM displays data and statistical monitoring on the touch-screen.

REFOAM Technical Specifications

Measuring accuracy	Typical 1% full scale (0 – 5% scale).
Measuring cell	Capacity 130 cm ³
Full scale reading	Preset: 5,76%
Analysis time	< 30 sec.
Minimum time between 2 analysis	1 minute. Default measurement interval 10 minutes.
Operating temperature	0 to 40°C
Control output	4 – 20 mA for control of antifoam dose pumps
Monitor	10" LCD touch-screen
N° analysis recorded	Hard Disk size depending
N° analysis review on screen	500.000 with 1 G byte RAM
Printer	Ink jet with USB
Accessories	Mouse and keyboard
Interface	USB e Wireless 108 M bit
Size	30x40x90 cm.
Weight	20 Kg
Power supply	220 V / 50Hz power 200VA

Promicol B.V.
 Tel +31 (0) 464586776
 info@promicol.nl
 www.promicol.nl