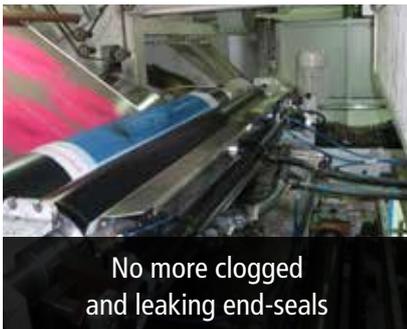


- NEW AUXILIARY FOR NOVA XLS CHAMBER SYSTEM -

# HUMID FLOW SYSTEM

## HumidFlow® System

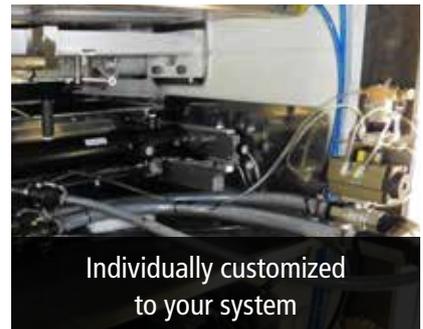
Efficient solution for quick drying waterborne inks



No more clogged  
and leaking end-seals



No more time  
consuming interruptions



Individually customized  
to your system

When using quick drying waterborne inks for flexo printing, lumps of semi-dried ink tend to destroy the function of the end-seals. The new HumidFlow® System prevents waterborne inks to dry up and push the end-seals out. No more unplanned production stops, due to clogged end-seals leading to heavy leakage. No more ink dripping from the sealing blade. No more possible contamination of linear bearings by drying ink, in printing units of sophisticated Flexo printing presses.

Please visit our website  
[akeboose.com](http://akeboose.com)

# Great savings when connecting HumidFlow® System with NOVA XLS Chamber System!



The best kept secret for inking and doctoring efficiency is a truly asymmetric chamber system as NOVA XLS, in combination with low-pressure doctoring. The two principles allow the chamber to work with optimal blade angles for both working- and sealing blade, which eliminates problems with back doctoring and ink spitting.

When using quick drying waterborne inks in an enclosed chamber, the function of the end-seals are easily **destroyed by lumps of semi-dried ink.** Typically, the

semi-dried ink builds up underneath the working blade, and thereby pushes the seal and the blade away from each other, allowing the ink in the chamber to flow out without restraint.

With the NOVA XLS ink chamber and the HumidFlow® System, **the problem is solved** by a double end-seal arrangement that keeps the area around the seals at a high humidity, preventing the ink from drying in this area. No more unplanned production stops, due to heavy ink leakage at both ends of the chamber/screen roller and no more unnecessary cleaning work. Just great savings in manpower and running costs! Not to mention, the possible contamination of the linear bearings at each print deck of electronically controlled flexo printing presses. Ink should never be allowed to enter such bearings!



## Facts about HumidFlow® System

Stand-alone spray unit suitable for all NOVA XLS chambers, closed versions, using water borne inks.

Programmable automatic control system for water spray and on-off for each print unit, 1 – 10 units.

Spray unit: The spray unit consists of two cabinets, normally on top of each other.

- The top cabinet contains all electrical components including an operator panel, to adjust spray timing. Several push-button switches are located on the outside of the door.
- The bottom cabinet contains all pneumatic components such as a double diaphragm pump, a filter regulator and a fine filter for filtration of the spray liquid. All connections between the two lockers are only air hoses.

Height x width x depth	98 x 40 x 26 cm
Weight	47kg (25+17 kg)
Air supply / Operating pressure	6 bar, clean air
Electric supply	24 VDC, 1 A
Conductor size, Terminal block	0.25 - 2.5 mm <sup>2</sup>
Conductor size, Circuit breaker	0.75 - 2.5 mm <sup>2</sup>
External Spray Fluid supply	1/2" or 3/4"
Particle filter	60 µm
Spray Fluid outlet	Ø12



**Without HumidFlow® System:**  
Lumps of semi-dried ink destroys the function of the end-seal, allowing the ink to flow out without restraint.



**With HumidFlow® System:**  
The HumidFlow® System prevents waterborne inks from drying and accumulating around the end-seals in an F & K 20SIX.

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