

The 3 main ink flow principles of AkeBoose chamber system NOVA XLS

- Closed chamber design
- Robust - End Houses
- Robust - Return Tray

Please note that all three versions of chamber system NOVA XLS are designed with the **“Low Pressure Doctoring”** principle, allowing for perfect doctoring at **very low blade pressure**, **reducing wear** of both screen roller (Anilox) and doctor blades, offering **superior operational economy**.

Longest recorded blade blade life for one pair of doctor blades is **3,3 million printed meters** at a speed of 400-500 m/min.

No back doctoring, **no adhesive wear** of blades, **no scoring**, **no steel slivers** from the blades!

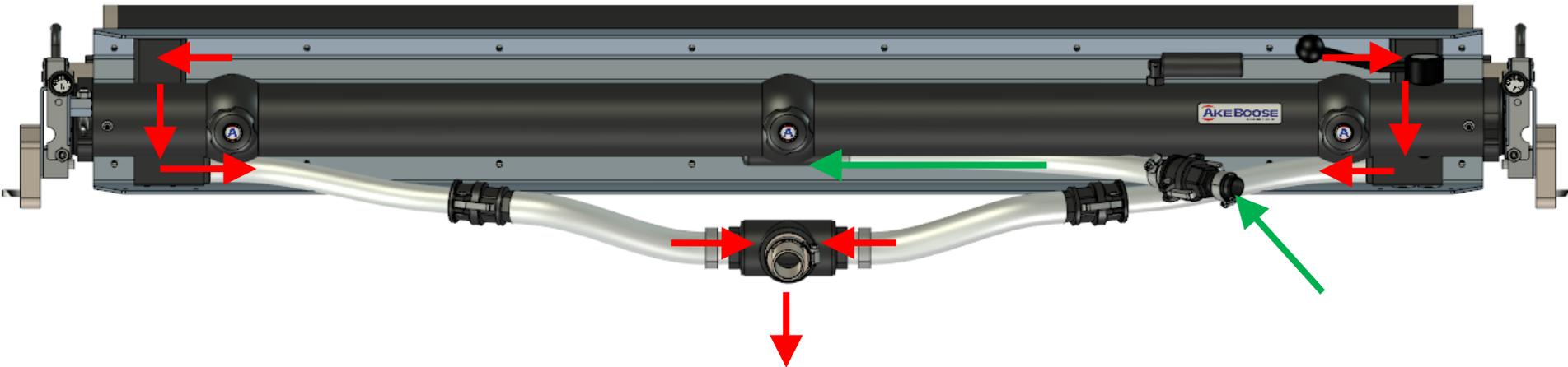
The system is available in designs made for a wide variety of applications, from 0,2 – 3,5 meter screen roller (Anilox) length. pH tolerance range as wide as pH 2-14, in symmetric (dual direction print), or truly asymmetric (single direction print) design. We also offer a wide variety of options, ranging from autoload chamber control systems to automatic ink pumping and cleaning solutions.

NOVA XLS, Closed

Nova XLS, Closed is designed to offer quick ink changes with reduced wet areas and a closed ink circulation chamber design.

INK INLET: Via one or two inlets at the bottom of the chamber (green markings).

INK OUTLET: Via overflow channels at the top of the chamber, via "outlet blocks" at each end of the chamber (red markings).

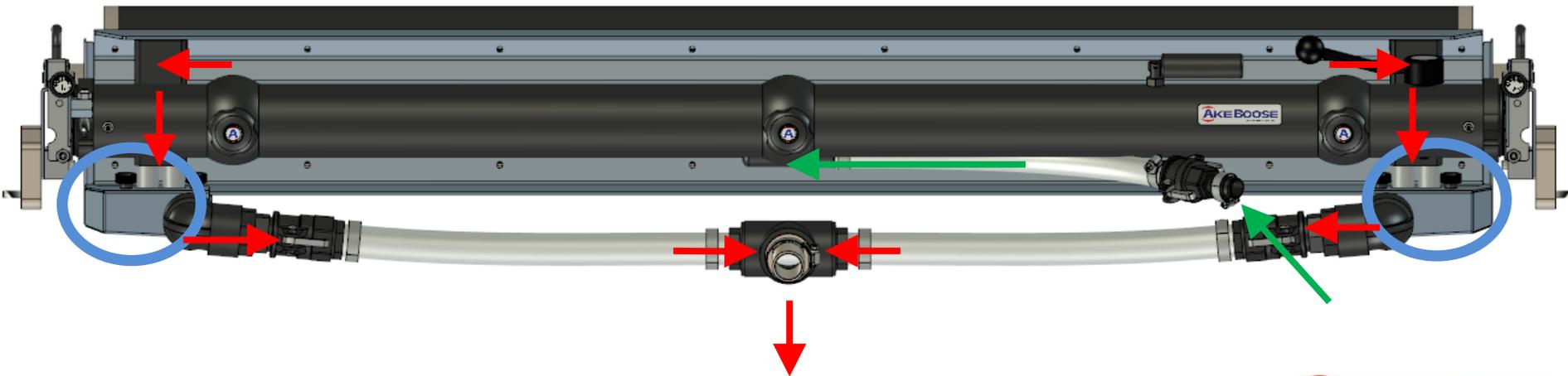


NOVA XLS, Robust – End House

Nova XLS, Robust - End House is designed to offer increased escape possibility of air inside the chamber, by making the initial part of the ink return non-pressurized. It is also designed to capture possible ink drops from the end-seals, due to lightly worn out end-seals, offering **a truly drip free system during long print runs.**

INK INLET: Via one or two inlets at the bottom of the chamber (green markings).

INK OUTLET: Via overflow channels at the top of the chamber, via "outlet blocks" at each end of the chamber (red markings), gravity return to the End Houses (blue markings) and then escape into the ink return hoses (red markings).



NOVA XLS, Robust – Return tray

Nova XLS, Robust – Return Tray is designed to offer increased escape possibility of air inside the chamber, by making the initial part of the ink return non-pressurized. It is also designed to capture ink drops from the end-seals due to lightly worn out end-seals, and from the sealing blade in print stations with up going web and a symmetric chamber, offering **a truly drip free system during long print runs**. The return tray is built to cover the entire bottom of the chamber.

INK INLET: Via one or two inlets at the bottom of the chamber (green markings).

INK OUTLET: Via overflow channels at the top of the chamber, via "outlet blocks" at each end of the chamber (red markings), gravity return to the Return Tray (blue marking) and then escape into the ink return hoses (red markings).

