

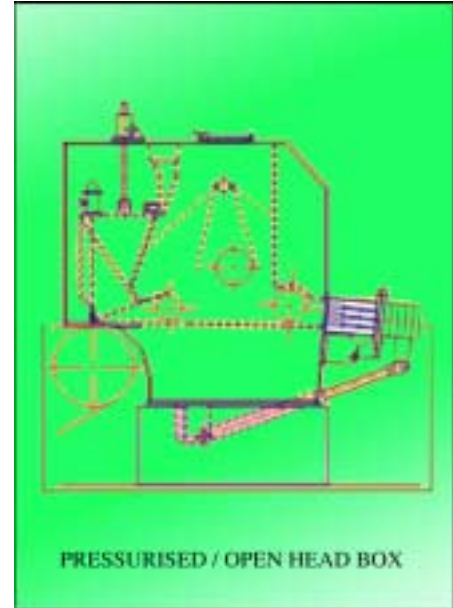
## Head Box (OPEN/CLOSE PRESSURISED)

**Head Box** is a chamber on a paper machine that distributes the flow of furnish (pulp) to the machine wire, regulating the thickness and weight of the paper being formed.

The function of the Head Box is to evenly spread the highly diluted fibre mixture over the entire breadth of the paper making machine. The headbox is the receptacle on the wet end of the paper machine in which the pulp, or stock, is distributed onto the **wire**.

The headbox continually agitates the furnish to prevent the fibres from 'clumping' together. The furnish is only about 1% fibre and 99% water after leaving the head box.

Paper machine head boxes have slice width up to 3,800mm. Manifolds are both cylindrical tapered with distribution tubes and rectangular tapered with polypick diffusers.



### Salient Features:

- Open Head Box for Machine speed up to 350 meters/ minute.
- Close Pressurised Head Box for Machine speed from 300-600 meters/ minute.
- All parts in contact with stock are of stainless steel AISI 304.
- Two numbers Properly designed Evener rolls for evening effect and better deflocculation.
- Profile variation across the deckle in maximum  $\pm 3$ GSM.
- Cylindrical, Tapered and Rectangular Tapered with Polypick diffuser, Manifold are provided depending upon the quality and production EVENERRO capacity.
- Machined Ground Top and Bottom Lip for smooth flow of stock.
- Easy accessibility of inside area for cleaning.
- Opening height between top & bottom lip can be adjusted through gearing arrangement.

### Advantages :

- Improved Cross Profile Variation.
- Good sheet formation.
- Control of efflux ratio (i.e. jet wire ratio) as per paper maker's requirement to achieve good formation.
- Higher speed upto 600 m/min.

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