

4- GENERAL DESCRIPTION

The KANENG-DELTEC BI-FLO steam shower is designed to increase water removal at the wet end of the paper machine prior to the dryer section. The unit is divided into a number of individual C.D. control zones. Each zone is designed with two machine direction (M.D.) chambers; each having separate discharge outlets. A unique, proprietary valve arrangement controlled by a single operator, modulates the steam flow to each chamber.

The sequence of operation is such that steam supply to the first stage M.D. chamber is fully regulated from 0 - 100% before any flow is released into the second stage M.D. chamber. Modulation of steam to the second stage chamber continues while steam flow to the first stage chamber is maintained at a maximum level.

The KANENG-DELTEC design permits full control of the available temperature increase at any selective C.D. position. Where necessary, on dry edges or dry streaks, steam flow can be completely shut off.

The KANENG-DELTEC BI-FLO steam shower is designed for either manual control from the pneumatic setpoint station or automatic control by the paper machine process computer.

Pneumatic cylinders retract the unit from the operating position either by interlock signal from the wire stall detector, or manually from a control station. The main steam supply valve must be shut off simultaneously.