

the Misting Company

Commercial, Industrial and Residential Misting Systems

TOBACCO HUMIDIFICATION

Increasing profits with environmental control

Tobacco leaves, cut tobacco and cigarette papers are all extremely hygroscopic. This means that they give up their moisture to the surrounding environment if the air is too dry. By maintaining the relative humidity at between 60-70% RH tobacco, paper and leaves retain moisture at the correct levels, so maintaining their quality and ensuring that production can proceed at full efficiency.

Currently farmers are conditioning the tobacco in the drying ovens by purely pumping water in at the bottom of the ovens to condition the tobacco before it goes into the warehouse. By using high pressure (HP) misting systems in the drying oven you radically reduce water usage and also the time to condition the tobacco.

The HP misting system is controlled by an electronic controller with digital humidity sensors that maintains the perfect RH levels to condition the tobacco to optimum levels. This ensures perfectly conditioned tobacco which is then packed in warehouses before being classified. By conditioning the tobacco this way, the tobacco maintains the RH levels for longer in the warehouse, reducing the breakage factor dramatically. The TMC misting system also eradicates the need for tobacco farmers to use very expensive boilers by fulfilling the same need in a more cost effective manner.

Correct humidity control will:

- Maintain the quality of the stored leaves
- Prevent product weight loss
- Prevent product loss due to excess dried tobacco breaking up.
- Eliminate static electricity
- Improve recovery in ripping rooms

