

Cow Cooling for Holding Pens

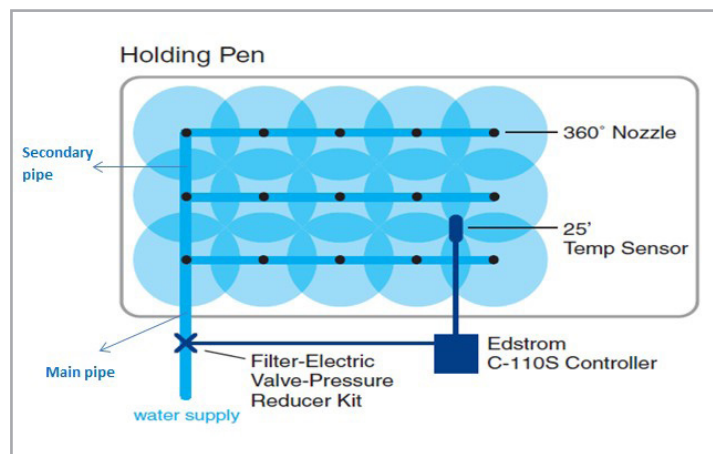
The C-110 S controller, monitors the temperature of the holding pen by means of a temperature probe. When the temperature reaches the pre-set value, the system starts and the controller opens a valve. It alternates the soaking between **On** and **Off** periods. When the temperature is below the set value, the system shuts off.

The Smart mode allows the controller to regulate the length of the **On** and **Off** periods. For higher temperatures, the **On** periods will be longer and the **Off** periods shorter. Once these values are programmed into the controller the system would work automatically



Operation

- 20 to 30 psi head pressure water.
- Single phase to power controller
- Electric valve
- Sprinklers 4 m - 5 m apart standard.
- Nozzle height 2.5 m and 3 m.
- Distance to sprinkler from dairy entrance, minimum 6 m



Installation

- For installations requiring less than 10 gpm (typically four nozzles), the pipe should be 0.75 inches in diameter.
- For installations requiring between 10 and 30 gpm (most dairies), the pipe should be 1.5 inches in diameter.
- For holding yards with cloth shade, the sprinkler should be lowered 0.6 m with 0.5 inch pipe.



Types of Pipes - PVC



Sprinkler



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