

Feed Pads

The C-440 S controller monitors the temperature by means of a temperature probe. The system can be programmed so that when the temperature reaches the pre-set value, the system would start and the controller would open the valves. Similarly, the system can also be programmed to shut off when the temperature reaches a preset value. Up to four alternate zones can be controlled between **On** and **Off** periods.



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.

- 15 to 20 psi head pressure water supply.
- Single phase to power controller
- Electric valve per zone
- Sprinklers 2 m apart standard. Range is 1.8 m to 2.4 m (6 ft to 8 ft).
- 130° nozzle angle (different to nozzle spray pattern).
- Nozzle height: typically a "high line" or "low line" installation.

Low Line (recommended): 1.7 m above feed lane where the cow stands.

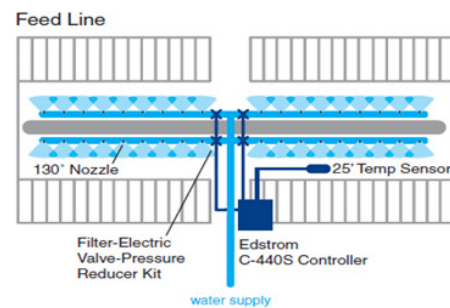
Pro: Less 'drift' of water spray. Soaking is faster and more thorough.

Con: Nozzles are more exposed to cow reach which means the installation needs to be sturdy and would benefit from regular checks.

High Line: Between 1.85 m and 2 m above feed lane.

Pro: Installation is less vulnerable to cow damage. Potentially cheaper installation.

Con: More drift, feed is more prone to getting wet.



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Types of Pipe - Typically PVC

- For installations requiring less than 30 gpm (typically 100 m in length), the pipe should be 1.5 inches in diameter.
- For installations requiring between 30 gpm and 100 gpm (typically 340 m in length), the pipe should be 2 inches in diameter

1) Posts on the feed lane support an angle iron or similar, which supports the PVC



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2) Support the pipe to the angle iron with hose clamps (adjust the spray angle)



3) Optional: protect nozzles by welding a small plate to the angle iron



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4) Optional (high line): Pipe attached to ¼" cable (or similar).



5) To speed up installation, connection from supply pipe to PVC line can be made with a small piece of flexible hose. This helps to adjust the spraying angle.



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6) A drill bit can help to align holes. Alternatively, drill the holes evenly before joining sections together.



7) Use slightly undersized bit and only thread the tap about half way to get a tight fit when screwing the nozzle.





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