

CHORE-TIME® Sprinkler System



Let's grow together®

Stop worrying about water consumption for cooling

Chore-Time's sprinkler system provides effective cooling with reduced water consumption compared to evaporative cooling systems. A University of Arkansas study showed that the amount of cooling water used by a low-pressure sprinkler averaged 67 percent less than that used by a conventional evaporative cooling system.

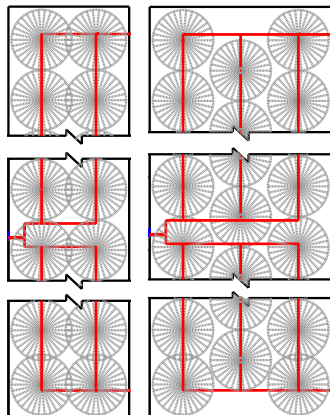
Reasons to Use Chore-Time's Low-Pressure Sprinkler System

- Cools birds through:
 - Direct water evaporation on and near the birds for more localized cooling and less house humidity.
 - Release of heat from under the birds. Birds tend to stand up as the water droplets reach them. This also encourages eating and drinking.
- Saves water, reduces house humidity and improves litter conditions compared to both conventional evaporative cooling systems and high-pressure fogging. Sprinkling also helps to reduce dust in the house.
- Less need for and use of the evaporative cooling system reduces its maintenance and extends system life.

Building Layout Examples

- Install sprinklers 11-12 feet (3.4-3.7 m) from walls.
- Each sprinkler will spray a 20-22 foot (6.1-6.7 m) diameter area at 6.5-7 feet (2.0-2.1 m) hanging height.
- Maximum of 25 sprinklers per zone in the house.

Sample layouts for 40-foot-wide (12.2 m) house at left and 60-foot-wide (18.3 m) house at right



Weighted sprinkler with check valve. Press-fit sprinkler drop requires no tools to assemble.

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- House temperature determines when sprinklers activate.
- The simple, low-voltage electronic sprinkler control receives a signal from the whole-house control when the temperature set points for the sprinkler are reached. Chore-Time's Sprinkler System can be used with any whole-house control that has two outputs for cooling.
- Pre-assembled sprinkler control panels for 2-, 3- or 4-zone applications with or without use of grower-supplied doser.
- Low-water-pressure system (20-30 psi) includes a check valve to prevent dripping when system is shut off.
- Sprinklers are available in drop lengths of 12, 18, 24 or 30 inches (305, 457, 610 or 762 mm) and connect to the water tubing using a simple T-connector.
- System includes a sprinkler control panel (shown below) with an electronic sprinkler control, T-connectors and sprinkler drops and is suitable for use in new construction or for retrofitting existing houses.

4-zone sequential control panel with doser option shown – one of six available control panel options



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www.choretime.com

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