

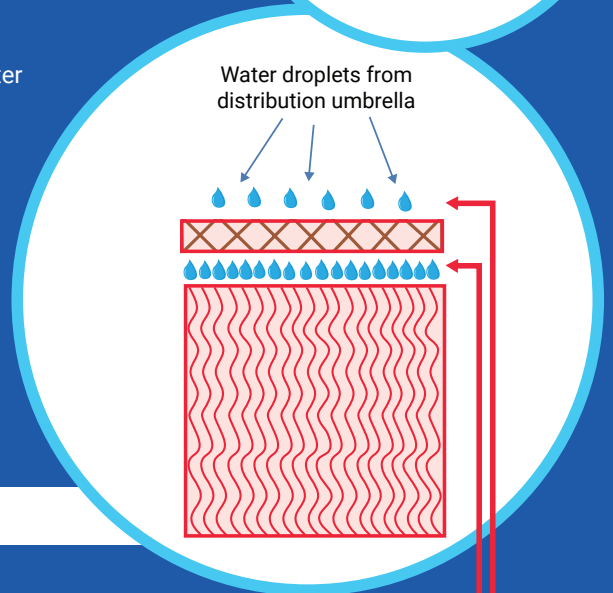
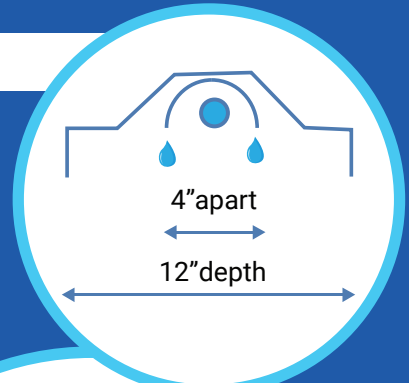


KUUL® EVAPORATIVE MEDIA

Good water distribution practice Kuul™ Media

The focus of good water distribution is to ensure even water distribution over the top surface area. This avoids overloading part of the media and starving the balance of the area.

1. Divide depth of media equally to position the header in the center. Zone A=B=C.
2. The header or umbrella for 12" deep media section should therefore be 4" deep.
3. Ensure umbrella distributes on each of its edges, front and back, 4" apart.
4. Umbrella pipe must always face upwards to ensure holes do not get blocked.
5. Umbrella pipe holes must not jet water downwards as this forces uneven water distribution.
6. Umbrella pipe holes should be no more than 3" apart, at no less than 1/8" in diameter.
7. Use water distribution media to assist with distribution in the left to right orientation.
8. Ensure the media orientation is correct with the steeper angle facing the air stream.
9. Ensure the pump capacity is correct with the correct head pressure calculation.



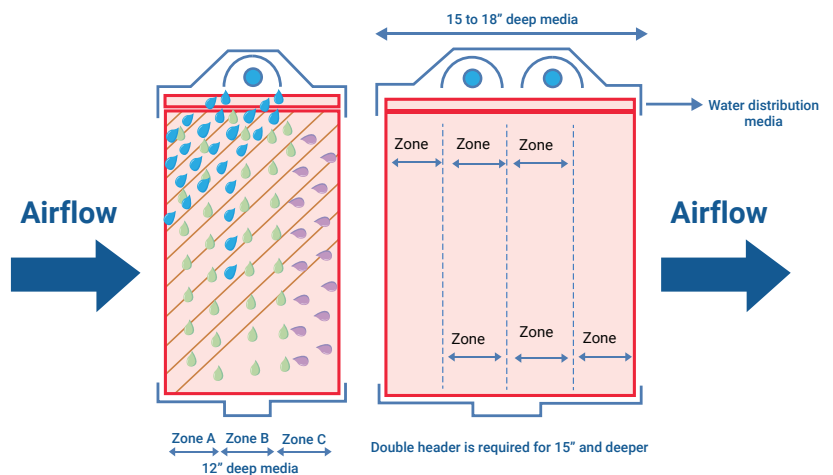
● Water distribution media expands water distribution evenly.

The purpose of the water distribution media.

1. To evenly distribute the drops from the distribution header umbrella.
2. To slow down heavy flow and distribute water left to right in the media.
3. To ensure no dry streaks occur if a hole is blocked in the header.
4. Even water distribution assists with good media washing and maintenance.

Distribution of water media

- Zone A: Initial water flows down 45 degree to air on edge, for cleaning and counter flow supply.
- Zone B: Water down 45 moves downward at flute contact points and then spreads inside media paper, through internal fiber transport.
- Zone C: Finally water flows through media in media fiber internally to outside edge, assisted also with air flow.



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