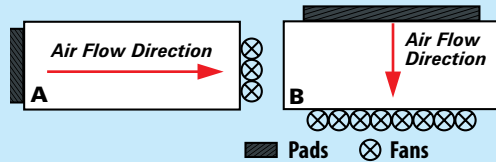


To counter periods of extreme temperature that affect in-house environments and therefore production, Coolair Evaporative Cooling Pad Systems are used with outstanding success. When large quantities of air are pulled through Evaporative Cooling Pads that are saturated with water, a substantial cooling effect is realized due to the evaporation of that water. Suited for virtually all geographic locations, this system delivers the greatest economic benefits to areas where higher temperatures during longer periods of time are normal.

## SYSTEM DESIGN

It is most effective when the system is centered on the plants to be cooled. The upper portion of the pad should be positioned on the same level as the top of the crop to be cooled. Designs "A" and "B" show typical greenhouse installations.



Pads should be placed on the same side as the prevailing winds with fan installation on the opposite side. As a general guide, use the following system recommendations to insure proper cooling:

- **For 4" pad systems:** Use 1 sq ft of pad per 250 CFM
  - **For 6" pad systems:** Use 1 sq ft of pad per 400 CFM
- Example:** A greenhouse has 6 fans that produce 20,000 CFM each for a total of 120,000 CFM through the house.
- **4" system:**  $120,000 / 250 = 480$  sq ft of pad required
  - **6" system:**  $120,000 / 400 = 300$  sq ft of pad required

## WATER DISTRIBUTION SYSTEMS

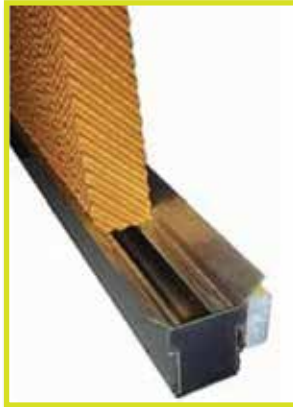
Water distribution systems for the Coolair Evaporative Cooling Pad Systems come in two designs: PVC or aluminum. (Double stack design also available). These designs feature PVC pipe with metered outlet holes, water return trough, water filter, an automatic supply valve, and a volume control valve.



All Coolair Evaporative Cooling Pad Systems include top and bottom pad support material, water distribution pipe cover (except for Open Top systems), and all necessary fasteners.

## 4" Aluminum Cooling Pad System

- System length 5' to 100'
- System height 2' to 90'
- Ideal when large amount of cooling is needed
- Extruded aluminum trough
- Available in standard closed top only
- Aluminum pipe cover/spray deflector
- Multiple pipe designs available
- Pump is sold separately and should be sized for at least 3/4 gallon capacity/square foot of pad area
- Also available in 6" - Call for pricing



## 4" PVC Cooling Pad System

- System length 5' to 90'
- System height 2' to 6'
- Completely self contained
- PVC trough and sump included
- Available in standard closed top (system includes pipe cover/spray deflector) or open top (for easy access to distribution pipe) designs
- Multiple pump designs available
- Also available in 6" - Call for pricing



## 4" Aluminum Evaporative Cooling Pad System

System also available in 4', 5', and 6' heights - Call for pricing

HEIGHT:	3 Feet		4 Feet	
System Length	Catalog Number	Each	Catalog Number	Each
5'	27-00200	\$ 860.00	27-00400	\$ 1,340.00
10'	27-00210	1,160.00	27-00410	1,750.00
15'	27-00220	1,440.00	27-00420	2,150.00
20'	27-00230	1,720.00	27-00430	2,540.00
25'	27-00240	2,000.00	27-00440	3,110.00
30'	27-00250	2,460.00	27-00450	3,660.00
35'	27-00260	2,740.00	27-00460	4,060.00
40'	27-00270	3,000.00	27-00470	4,450.00
45'	27-00280	3,300.00	27-00480	4,960.00
50'	27-00290	3,690.00	27-00490	5,470.00

## 4" PVC Evaporative Cooling Pad Systems

System also available in 4', 5', and 6' heights - Call for pricing

HEIGHT:	3 Feet		4 Feet	
System Length	Catalog Number	Each	Catalog Number	Each
5'	28-10580	\$ 1,090.00	28-10400	\$ 1,120.00
10'	28-10590	1,280.00	28-10410	1,340.00
15'	28-10600	1,520.00	28-10420	1,610.00
20'	28-10610	1,710.00	28-10430	1,830.00
25'	28-10620	1,940.00	28-10440	2,090.00
30'	28-10630	2,280.00	28-10450	2,460.00
35'	28-10640	2,510.00	28-10460	2,720.00
40'	28-10650	2,700.00	28-10470	2,950.00
45'	28-10660	2,930.00	28-10480	3,210.00
50'	28-10670	3,380.00	28-10490	3,680.00

The PVC Coolair Evaporative Cooling Pad System is available in optional closed top PVC or open top PVC. Contact Hummert's Greenhouse Sales and Design Department for pricing and further information on the 6" systems or the Double stack systems.