



# Evaporative Pads

Cooling Systems



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## Evaporative Pads Cooling Systems

Air humidification and cooling represent a **great relief for animal stress** produced by heat inside the houses.

### Operation principle

The evaporative cooling system is a process that reduces air flow temperature by water evaporation.

Maximum efficiency is achieved by directing the air to be cooled through wet pads placed at the inlets of the air ventilation system.

As the air passes through the pads it absorbs water, which provides a higher capacity for heat removal.



The larger the amount of water evaporated from air, the higher the temperature reduction shall be. Also, the dryer the air or the lower the relative humidity, the greater the possibility of evaporation will be.

This way, by air humidification together with an appropriate ventilation design achieving adequate circulation and renovation rates, it's possible to reduce the temperature inside the house between 5 and 14°C.

### PVC OPEN TOP System an efficient and practical solution

The main advantage of the **OPEN TOP System** is the quick and constant detection of the condition of the water distribution holes. With a very simple supervision it's possible to verify the system condition and clean the obstructed holes without the removal of any top or cover.

The **OPEN TOP System** is a self-supplied system that uses a collection

and recirculation circuit with a small water reservoir inside the system, which eliminates the need for large separate collection tanks and pipes. Centrifuge and submersible pumps are used.

The design of the open upper area makes it easy to manage and maintain the system, preserving its efficiency at all times.

### Design characteristics

Two-inch (51 mm) diameter pipes that allow a more even water distribution on the surface of the evaporative pad.

Easily removable evaporative pads for superior performance. Protection in the lower section of the coating is optional.

Large water outlet holes (5/32" – 4 mm) to minimize clogging.

Design with open upper area for easy visibility and cleaning access.



Includes screw terminal caps to simplify cleaning and rubber seals at the ends.

The evaporative pads are available in sizes between 2 and 6 feet high (0.61 and 1.80 meters), in 1 foot (30 cm) increments.

UV-resistant PVC gutter.



#### HEADQUARTERS

##### INDIV USA

P.O. Box 1275 · Springfield · Missouri · USA 65801  
Phone: +1 417 862 2673 / Fax: +1 417 862 5434 · E-mail: sales@indiv.com

#### MANUFACTURE AND DISTRIBUTION

##### INDIV ARGENTINA

Ovidio Lagos 7285  
2000 · Rosario · Santa Fe · Argentina  
Phone: +54 341 5121500  
E-mail: indivargentina@indiv.com

##### INDIV MÉXICO

Antiguo Camino Real 79Z-1 P2/5  
Ejido Palma De Romero, San Juan del Río  
C.P. 76840 Querétaro · México  
Phone: +52 777 120 4375  
indivmex@prodigy.net.mx

##### INDIV COLOMBIA

Cra 48 # 65 Sur 174 · Medellín, Colombia  
Phone: +57 4 444 4634  
Mobile: +57 317 668 4908  
ventascol@indiv.com

##### Swine Division

Mobile: +57 316 5048193  
ventascol@indiv.com

##### INDIV ASIA SDN. BHD.

No.3, Jalan Permata 2B/KS9  
Taman Perindustrian Air Hitam  
41200 Klang, Selangor · Malasia  
indivasia@indiv.com

#### REGIONAL OFFICES

##### INDIV Guatemala

3a. Avenida 13-74 · Bodega 33 Bodasa  
Colonia El Rosario · Zona 3 de Mixco  
Guatemala  
Phone: +502 574 32696  
arleny@indiv.com

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