

DCP

Evaporative cooling unit



The rotating DCP® unit is a compact evaporative air cooling unit and is suitable for numerous fields of application: livestock, greenhouse and industrial use.

Technology basis

The unit uses the physical principle of water evaporation: the air is forced through the CELEST® evaporative cooling pads by a powerful fan. While the air passes through the wet pad, it releases heat to the water, thereby cooling itself. The quantity of moisture present in the air determines the level of temperature reduction of the air stream.

Design DCP®

Beyond the evaporative CELEST® pads the unit is supplied with a 3000 polyethylene water tank and a submersible pump with a capacity of 30 litres. The light weight construction of the galvanized steel housing and easy installation ensure quick and easy connection of the DCP® into an installation or retrofit.

As an option a professional plastic sheet can be supplied, which can be connected to the air outlet of the DCP® unit allowing for the optimal distribution of the air inside the greenhouse that results in the needed. The unit is also ready to be connected to a rainwater and collection system.

Design DCP® TOP4

The DCP® TOP4 is a version of the unit equipped with a more modern and adjustable air deflector. It can be installed inside or outside the greenhouse that needs to be cooled. If it is installed outside, an optional flange can be supplied that allows for the connection of a professional plastic sheet.

EQUIPMENT

DCP30; DCP30 TOP4

- The highest water quality (max. 1000 mg/l hardness)
- 3000 polyethylene water tank with submersible pump
- CELEST® pads with 100% protection grade
- CELEST® TOP4 100% 100% evaporative cooling pads
- 3000 polyethylene water tank with CELEST® pads
- Complete assembly kit incorporated
- Supply of accessories with water and control with light
- Simple installation on roof

