

# Product Specification

## CES CF Nozzles for Film Fill

### Product Description

CES Counterflow nozzles for film filled cooling towers are constructed of injection molded polypropylene and are designed for ease of installation and uniformity of water distribution. The nozzles are available in two configurations: SP (Square Pattern) and LP (Low Pressure).

The SP nozzle is designed to deliver uniform water coverage of the cooling tower's heat transfer media in a square pattern. The water droplets developed have a large surface to volume ratio to enhance heat transfer in the spray zone of the cooling tower. Positioned correctly in the tower, water shedding on the sides of a cooling tower cell will be minimized and even water distribution over the fill area will be optimized. The nozzle body includes 2" male threads (NPT or Wood) for easy connection to lateral piping directly or with the use of adapters and or extensions.

The LP nozzle is designed to deliver an overlapping spray pattern of water droplets at very low operating pressure compared to other nozzles. It has a multi-gusseted for durability of the splash plates providing excellent water distribution system reliability. Like our other nozzles, it is available with various orifice sizes to accommodate varying flow rates. The nozzle has a standard 2" NPT male thread and can be attached to lateral piping using one of the various adapters and extensions available as accessories.

Both nozzles are manufactured from polypropylene and are suitable for a standard operating temperature of 140°F with a softening temperature of 214°F.



CES  
SP  
Nozzle



CES  
LP  
Nozzle



CES  
Nozzle  
Accessories

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