

# Product Specification

## CES CF Nozzles for Splash Fill



C. E. Shepherd Company

### Product Description

CES Counterflow nozzles for splash 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: CO (Quick Change Orifice) and CF (Clog Free).

The QCO nozzle features a large diameter opening into the nozzle and a specially designed diffusion ring that insures uniform water dispersion over the heat transfer media in the cooling tower while easily accommodating condenser cleaning balls. Various orifices are available to accommodate differing flow rates. The nozzle is connected to lateral piping/adapters by a 1.5" MPT body.

The CF nozzle includes a sturdy body, extension arm and diffusion target for the most severe applications. This nozzle is well suited for applications with heavy contaminant loads in the circulating water. Like the QCO nozzle, it is available with various orifice sizes for differing flow rates. Also, this nozzle is available with either Male NPT or Wood Pipe Thread connections.

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



CES  
QCO Nozzle



CES  
Clog Free  
WP



CES  
Clog Free  
MP

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