

Variable Flow Nozzle

Operations Guide and Data Sheet

Summary

The Variable Flow nozzle has outstanding turn-down performance and a near perfect square spray pattern. This nozzle can operate effectively from 30 gpm to 120 gpm at pressures ranging from 2-3 psig. The uniformity of the square pattern this nozzle produces can add as much as 10% to 20% thermal performance increase to almost any cooling tower that is utilizing conventional nozzles.

Water quality should be kept in accordance with the set water treatment boundaries. Nozzles should be checked annually for fouling.

Benefits of Variable Flow Operation

Increased Thermal Performance - The reason to use this nozzle is simple. It makes cooling towers perform better. Maintaining square distribution pattern and consistent water loading throughout varying flows is a game changing technology.

Save Energy - Having the ability to vary cooling water flow rate to accommodate actual heat load during off peak times is a huge opportunity for energy savings. This nozzle makes that possible because it can adjust its orifice size to maintain spray pattern.

Consume Less Water - By right sizing cooling water demand to your heat load, you are able to reduce the total evaporation produced by your cooling towers. This can equate to thousands of gallons in water savings.



Overall Height: 3 1/2"
Overall Width: 5 1/2"
Pipe Size: 2" npt
Material: Polypropelene/Acetal
Max Pressure: 2-3 psig
Spray Pattern: 36 - 72" Square *

*Depending on the height above the fill media.

Square Pattern

