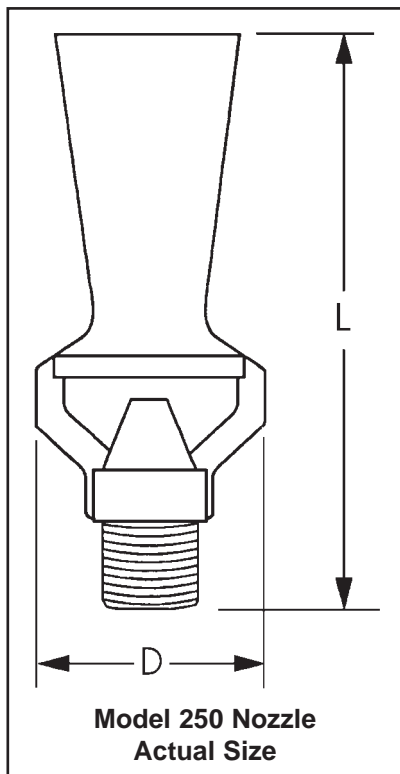




SWEEPER-EDUCTOR NOZZLES

A common secondary objective of sidestream cooling water filtration is to prevent the buildup of dirt and sediment on the floor of the cooling tower basin or other water-holding reservoir. The ability of the filter system to accomplish that objective is, in part, a function of a well-designed "sweeping" system which uses the filter's sidestream water flow to constantly move dirt and suspended solids across the floor of the reservoir toward the filter inlet. This "sweeping" action meets its stiffest challenge in basins and reservoirs with a large surface area. The "sweeping" action of water can only be sustained over limited distances.



Part No.: P260250
 Pipe Size: 1/4" NPT
 Material: ABS
 L: 3-1/8"
 D: 1-1/4"

Tower-Flo® Water Filter Systems offers improved "sweeping" action to maximize sidestream filter performance with its 1/4" Sweeper-Eductor Nozzles. Tower-Flo's Sweeper-Eductor Nozzles employ proven venturi action to draw four gallons of water into the nozzle for each gallon pumped through the nozzle. This increased agitation, flow, and throw (area affected outward from nozzle) serves to significantly improve water turbulence which keeps solids from settling and keeps them moving toward the filter's suction inlet.

In most cooling towers, air washers, and water reservoirs, the maximum number of nozzles should be used to provide the greatest turbulence over the greatest area. Due to widely varying surface areas, volumes, and water depths other configurations may be required. Consult Tower-Flo® Water Filter Systems or your Tower-Flo® Representative.

Select one Sweeper-Eductor Nozzle Model 250 for each 5 gpm of filter flow rate. For example, a 30" filter system with a flow rate of 100 gpm would require 20 nozzles:

$$100 \text{ gpm} \div 5 = 20 \text{ nozzles.}$$

The 20 nozzles would be installed on the filter's return piping header, spread evenly along its length on a maximum of 18" centers, if possible.