



The Marley NS7 counterflow nozzle is an injection molded polypropylene unit consisting of two parts—the main assembly with integral turbulator and an EDPM rubber grommet. NS7 nozzles are designed to economically provide desired thermal performance at low spray heights typical of factory assembled cooling towers. NS7 nozzles have no moving parts and can be installed to accommodate a wide range of adjustments in water flow rate.

NS7 nozzles are produced in two sizes. The NS7-150 has a nominal insert OD of 1½" and the NS7-200 has a nominal insert OD of 2". Hole size for NS7-150 is 1¾" diameter and hole size for NS7-200 is 2½" diameter. Nozzles should be installed in 4" NB schedule 40 pipe. Recommended spray height above the fill is between 7" and 15".

NS7 counterflow nozzle



NS7 Nozzle with Turbulator installed



NS7 EDPM Grommet

NS7 grommets are made from EDPM rubber with a durometer rating between 45 and 50. Grommets should be installed in the pipe so that the side with the part numbers is visible. When installed correctly, the bottom of the grommet should be flat with the center hole undistorted.

Nozzles should be lubricated with clean water and inserted into the grommet until the ring at the bottom of the insert is flat against the grommet's bottom face. To remove, twist the nozzle and pull.

- Available in two sizes
- Easily removed for cleaning
- No moving parts
- Wide range of adjustments in water flow rate

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