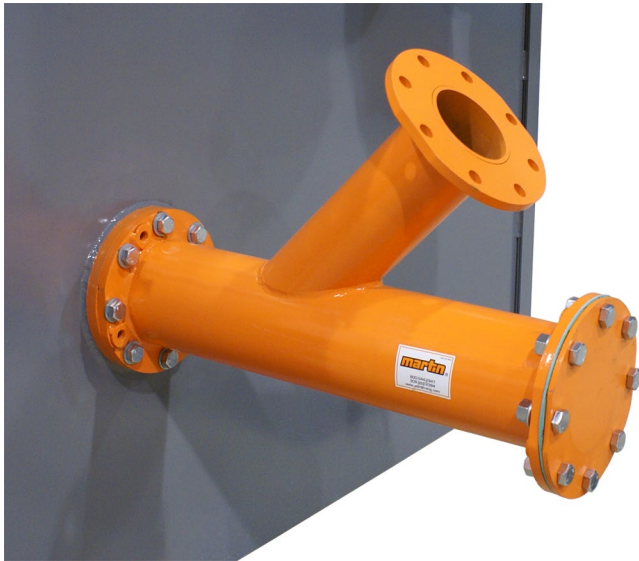


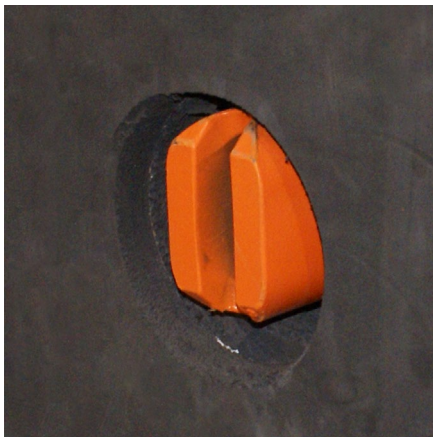
# Martin® SMART™ Series Jet Nozzle



The [Martin® SMART™ Series Jet Nozzle](#) offers a simple yet innovative solution to the age-old problem of labor-intensive nozzle replacement. Eliminate the time and cost of cutting holes and breaking refractory to replace worn out nozzles.

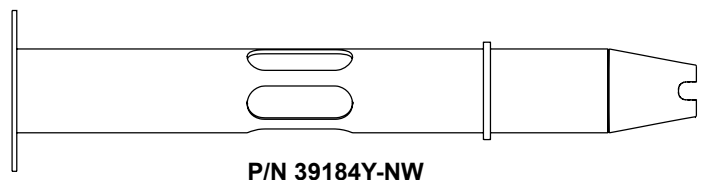
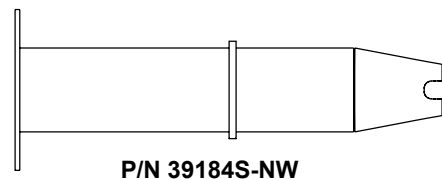
## BENEFITS

- Replacement is quick and easy.
- Limits or entirely eliminates damage to surrounding refractory.
- No need to remove the air cannon tank.
- Eliminates improper alignment.
- No entry required into the tower or cooler.
- Provides the wide area of influence of a standard fan nozzle.
- Available in straight or “Y” pipe arrangement.

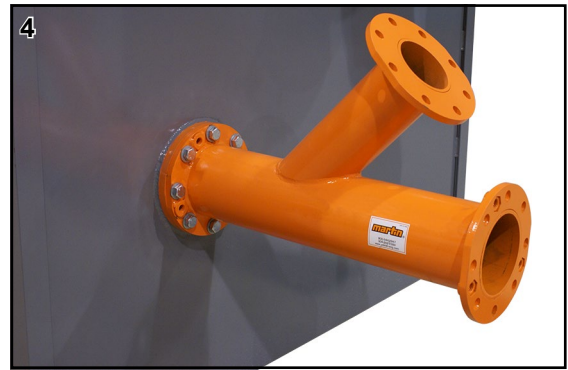
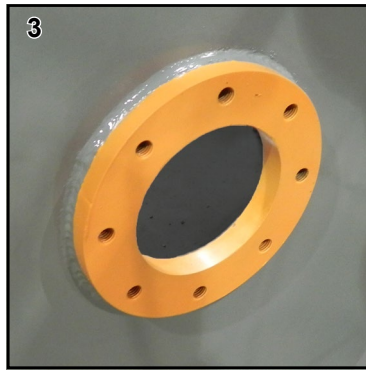
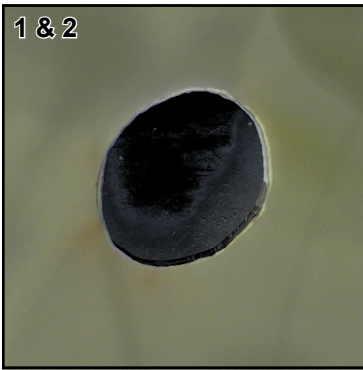


## ORDER INFORMATION

Martin® Straight Nozzle Assembly	P/N 39185S
Replacement Straight Nozzle	P/N 39184S-NW
Martin® Y-Pipe Nozzle Assembly	P/N 39185Y
Replacement Y-Pipe Nozzle	P/N 39184Y-NW



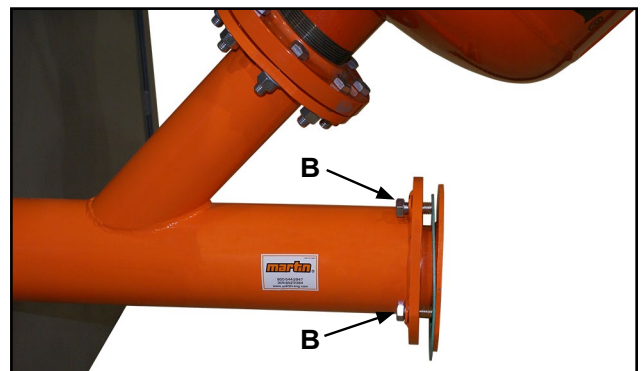
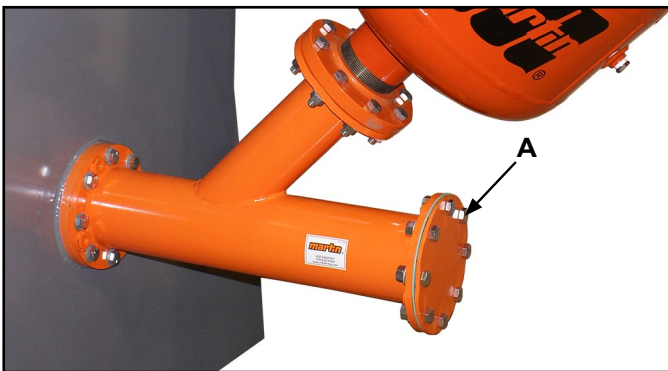
# TECHNICAL DATA SHEET



## NOZZLE ASSEMBLY INSTALLATION

1. Cut 6 in. (150 mm) hole in vessel wall.
2. Core drill 6 in. (150 mm) hole through refractory.
3. Weld supplied flange to vessel wall.

4. Mount Y-pipe onto flange using cap screws and compression washers.
5. Install nozzle and gasket.
6. Fasten nozzle to Y-pipe using cap screws, compression washers and nuts.



## NOZZLE REPLACEMENT

1. Turn off and lock out/tag out energy source per local requirements.
2. Remove cap screws, compression washers, and nuts (A).
3. Install and tighten jack screws (B).

4. Remove nozzle and jack screws.
5. Install new nozzle and gasket using cap screws, compression washers, and nuts (A).