



Figure 1 – Sieve Tube Nozzle

The Sieve Tube Nozzle is specifically engineered to install 150C and 200C Solder Sleeve Devices, Large Gauge Cable Repair Wraps, and Matched Impedance Coax Splices. The design is Teflon coated and features a pressure latched, hinged sieve enclosure to produce a heating envelope that evenly distributes thermal energy to the installation site. The Sieve Tube Nozzle utilizes Malcom’s standard Twist-n-Lock design that allows the nozzle to be easily installed and removed from the 111.038.1 or 1D Battery Powered Heat Gun standard to the MCH-100-A and MCH-100-C Heat Gun Kits.

NSN# 1680-01-648-6231

Dimensions 2.37” W x 1.14” OD x 0.75” ID

Nozzle Material Steel 1.4301 (X5CrNi18-10), Teflon Coating

Connector Twist-N-Lock Bayonet

Operating Temperature +14° F TO +131° F

Storage Temperature 0° F TO +122° F

EMI and Environmental Testing * MIL-STD-461D/462D (RAD. EM. RE101 & RE102), MIL-STD-810F (EX. ATM. 511.4; DROP; RAIN 506.3; SALT FOG 509.3)

Temperature ** 490°F to 754°F w/ 111.038.1 and 300 W element

Heat Envelope*** 694°F at Center, 637°F at opening, 566°F at 1” from opening

Performance Installs 150°C Solder Sleeves on 4 AWG (0.175” x 0.26”) cable with 111.038.1 set at 630°F.

Installs 150°C Solder Sleeves on 10 AWG (0.125”) cable with 111.038.1D set at 450°F.

Installs LGWR C Wrap on 2/0 AWG (0.45”) Cable with 325 W 111.038.1 Heat Gun in < 7 min after ramp-up.

* Pending Test Results

** Actual value is dependent on MCH-102NW Power Supply State of Charge.

*** 48VDC, 8.5A