



ARTHUR PRODUCTS CO.

an LSQ Mfg Company

SAFETY PROCEDURES FOR USING NOZZLES

- 1) **Inspect Nozzle** prior to using to ensure that all orifices are unobstructed. Blocked orifices could result in dangerous over-pressuring of pumping equipment. Also, inspect for any surface damage as this can compromise nozzle safety.
- 2) **Discard Nozzle If:** A) The nozzle shows any signs of cracking or damage, particularly to threaded connections. B) The nozzle shows significant wear to sidewall at any point. C) The ability of the nozzle to hold pressure is in any way in question.
- 3) **Use Teflon Tape** on all male NPT threads before installing the nozzle. For those nozzles with machine screw threads use a good quality anti-seize compound.
- 4) **Use Wrench Flats** (if available) and an open ended wrench whenever possible, to install nozzles. A properly adjusted pipe wrench can be used for tightening nozzles which do not have wrench flats. Remember **DO NOT OVERTIGHTEN**. Avoid deep wrench marks which can severely weaken the nozzle.
- 5) **Nozzle Flow Ratings** must be compatible with pump flow and pressure rating to avoid dangerous over pressuring of the system.
- 6) **Nozzles that use Replacement Inserts** (e.g. carbide, sapphire or steel) must be inspected for wear and damage before installing new inserts. Discard any nozzle which shows signs of deterioration.

