

# Manual Disclaimer

These instructions do not purport to cover all details or variations in the equipment and do not claim to provide for every possible contingency met in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to Bruin Instruments Corp.

## General Safety

Read and understand all instructions prior to installing or starting the pump system. Failure to follow instructions could lead to pump damage, serious injury, or death.



Before performing any maintenance on pump, disconnect operating power source and ensure all pressure is removed from the pump and the fluid end. Hazardous pressures can result in serious injury or property damage.



In case of an emergency originating from this pump or conditions in the surrounding area, shut off the pump immediately, if it is safe to do so.



Only qualified and trained personnel should be involved with installation, inspection, and repairs of this pump.



Ensure all national, provincial, and local safety codes are followed when installing this equipment.



Make sure all operators of this equipment have been trained for safe working practices. Operators must wear safety glasses and any other personal protective equipment necessary.



Be sure material hoses and other components are able to withstand the pressures produced by this pump. A pressure relief valve set for a relief pressure below the maximum pump pressure or similar safety equipment should be installed on the outlet of the pump.



Do not exceed the maximum inlet air pressure as stated on the pump tag or plate. Excessive air pressure can cause personal injury, pump damage, or property damage.



Pump exhaust may contain contaminants that could cause severe injury. Pipe exhaust gas away from work area and personnel. Properly vent exhaust gas if exhaust gas is thought to be harmful or hazardous.



When pumping hazardous or flammable materials, vent fumes to a safe, remote location.



Verify the chemical compatibility of the pump wetted parts and the substance being pumped. Chemical compatibility may change with temperature and concentration. For specific information contact the chemical manufacturer.



Safe handling procedures for all hazardous chemicals must be followed. The pump must be flushed clean prior to any disassembly when used for toxic or aggressive fluids. Do not return pumps that contain hazardous materials to the factory or service center. Safe handling practices must comply with local and national laws and safety code requirements. Obtain Material Safety Data Sheets on all materials from the supplier for proper handling instructions.