



PUBLIC MESSAGE

HAZARDS OF PUMP AND PUMP GUN

SATURDAY JUNE 7, 2025

Please avoid and stay away from the hoses and water gun for your SAFETY.

Here are some hazards that could happen!

- **High Pressure Discharge:** The immense power can generate extremely high fluid pressures, leading to catastrophic pipe or hose ruptures, spray injuries, or damage to downstream equipment if not properly controlled or if there are material failures.
- **Rotating Components:** The pump impeller, shaft, and couplings rotate at high speeds, posing a severe entanglement risk for clothing, hair, or limbs, potentially leading to severe injury or amputation.
- **Vibration:** Powerful pumps can induce substantial vibration in the pump itself, piping, and surrounding structures. This can lead to fatigue failures in materials, loosening of fasteners, and potential structural damage over time.
- **Electrical Hazards:** A 600 HP motor requires significant electrical power. Hazards include electrical shock from damaged wiring, improper grounding, or contact with live components, as well as arc flash hazards.

