



Care and Use of High-Pressure Hose

Following are SPIR STAR®'s lists of Do's & Don'ts for the proper and safe handling of high-pressure hose. The improper use of high-pressure hose can cause DEATH, personal injury or property damage. NEVER handle a leaking hose assembly. Treat any injury from high-pressure fluid seriously and seek immediate medical attention.

Do's:

- Treat high-pressure hose with extreme caution. SPIR STAR® hoses are wire reinforced hoses and should be treated with the same care as a high-pressure containment vessel.
- When using hoses for water jetting, read and understand Recommended practices for the Use of Manually Operated High-pressure Water jet Equipment (Water jet Technology Association [+1/314-241-1445, www.wjta.org])
- Always visually inspect for frayed, damaged or wear spots before using.
- Check the hose end connections and threads for wear, rust, cracks, mechanical abuse or other deterioration that could produce a dangerous projectile.
- Know the working pressures and burst pressures of all hoses before using them.
- Always use clean, filtered water to prolong hose life. Some plants' water sources are high in sulphur, which may attack stainless steel.
- Always clean, drain and coil hoses after use. Soap and water usually provide an excellent cleaning agent.
- Always wear protective gloves, eyewear and garments when handling high-pressure hose and water jet lances.

Don'ts:

- Never use a hose with cuts or wire showing through the outer cover.
- Never use a hose that has been kinked.
- Don't use a hose that has bubbles or blisters in the outer cover.
- Don't exceed the bend radius and pressure rating for each hose.
- Don't run over or crush the hose with heavy vehicles.
- Don't use a hose with corroded or leaking end connections. Take it out of service immediately.
- Don't use hoses that have been exposed to chemical attack or over temperature.
- Avoid using dirty water or water with sulphur compounds in it. Tests have documented that hoses fail more rapidly when using water sources from chemical plants and refineries.
- Don't bend the hose over scaffolding or pull heavy equipment with the hose.
- Don't let the hose support its own weight off towers or buildings.
- Don't apply torque to the hose assembly.
- Don't expect water jetting or hydraulic hose to last forever.

Be Safe – Replace!