

## Care and Use Instructions

The following is **SPiR STAR**'s list of Do's & Don'ts for the proper and safe handling of high pressure hose. The improper use of high pressure hose can cause **serious 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, not garden hoses and should be treated with the same care as a high pressure containment vessel.
- When using hoses for waterjetting, read and understand **Recommended Practices for the Use of Manually Operated High Pressure Waterjet Equipment** (Waterjet Technology Association, 314-241-1445, [www.wjta.org](http://www.wjta.org)) prior to use.
- Always visually inspect the hose for damage, cuts, or wear spots before using.
- Check the hose end connections and threads for wear, rust, cracks, mechanical abuse, or other deterioration which could produce a dangerous projectile.
- Know the working and burst pressures of the hose before putting it in service.
- Always use clean, filtered water to prolong hose life. Some plants' water sources are high in sulfur which attacks 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 waterjet lances.

### Don'ts:



- Don't use a hose that has cuts, damage, or wires showing through the outer cover.
- Don't 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 or 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 them out of service immediately.
- Don't use hose that has been exposed to chemical attack or over temperature.
- Don't bend the hose over scaffolding or pull heavy equipment with the hose.
- Don't mechanically rotate the hose without using a slip-clutch device.
- Don't let hose support its own weight off towers or buildings.
- Don't expect water jetting or hydraulic hose to last forever.
- Avoid using dirty water or water with sulfur compounds in it. Tests have documented that hoses fail more rapidly when using water sources from chemical plants and refineries.

## ***Be Safe - Replace***