



User manual for the application of hose assemblies for high pressure hydraulic systems

WARNING: Failure or improper selection, or improper use of hose, tubing, fittings, assemblies or related accessories (“*Products*”) can cause death, personal injury and/or property damage. Possible consequences of failure or improper selection and/or improper use of these *Products* include but are not limited to:

- Fittings thrown off at high speed
- High velocity fluid discharge
- Explosion or burning of the conveyed fluid
- Electrocutation from high voltage electric power lines
- Contact with suddenly moving or falling objects that are controlled by the conveyed fluid
- Injections by high pressure fluid discharge
- Dangerously whipping hose
- Contact with conveyed fluids that may be hot, cold, toxic or otherwise injurious
- Sparking or explosion caused by static electricity
- Sparking or explosion while spraying paint or flammable liquids
- Injuries resulting from inhalation, ingestion or exposure to fluids

Before selecting or using any of these *Products*, it is important that you read and follow the instructions below.

Fail-Safe: Hose assemblies and fittings can and do fail without warning for many reasons. Design all systems and equipment in a fail-safe mode so that failure of the hose assembly or fitting will not endanger persons or property.

User Responsibility:

Due to the wide variety of operating conditions and applications for hose assemblies and fittings, CEJN and its distributors do not represent or warrant that any particular hose assembly or fitting is suitable for any specific end use system.

The user, through its own analysis and testing, is solely responsible for:

- Making the final selection of the hose and fitting.
- Assuring that the user's requirements are met and that the application presents no health or safety hazards.
- Providing all appropriate health and safety warnings on the equipment on which the hose and fittings are used.
- Assuring compliance with all applicable government and industry standards.

Handling Instructions:

Always treat high pressure hydraulic hose assemblies and applications involving the use of high pressure hydraulic hose assemblies with **extreme caution**.

- **CEJN high pressure hoses are wire reinforced hoses that operate at elevated pressures and should be treated like a high pressure vessel.**
- CEJN high pressure hoses should **always** be inspected visually prior to use for frayed, damaged or worn outer covers. If the outer cover is compromised in any way the hose should not be used in service.
- End connections should **always** be inspected visually prior to use for signs of wear, rust, cracks or other deterioration that could cause the end to separate from the hose and become a dangerous projectile. If the end connections are compromised in any way the hose should not be used in service.
- **Always** ensure that the maximum working pressure of the hose is not exceeded in the application.
- **Always** use clean, filtered medium to prolong the life of the hose assembly.
- **Always** clean, drain and coil hoses after use.
- **Never** use a CEJN high pressure hose with damage to or wires exposed through the outer cover.
- **Never** use a CEJN high pressure hose that has bubbles, blisters or is kinked.
- **Never** retain a hose by mechanical means at the sleeves (ferrules).
- **Never** exceed the hose's minimum bend radius or its maximum working pressure.
- **Never** drive over or crush the hose with vehicles.
- **Never** use hose assemblies with corroded or leaking end connections.
- **Never** use dirty medium in a hose assembly.
- **Never** bend the hose assembly over scaffolding or pull heavy equipment with the hose.
- **Never** let the hose assembly support its own weight when elevated off the ground.
- **Don't** expect CEJN high pressure hoses to last forever. Due to the elevated pressures, components wear out more frequently than standard hydraulic applications.

Recommendation:

Re-pressure test hose assembly every second year and take out of service after six years.

Be Safe – Replace!

Contact Details:

CEJN worldwide local websites available at:

www.cejn.com