

Safety Precautions for ITH-High Pressure Hoses



DO:

- ☞ Handle high-pressure hoses with adequate care. ITH hoses are hoses with very high-pressure ratings and have to be handled with extreme care.
- ☞ Before use of the hoses inform yourself about working and burst pressure of the hoses you intend to use
- ☞ Before use of the hoses check the hoses for damage and/or wear and tear marks
- ☞ Before use of the hoses check the fittings for signs of corrosion, wear and tear, cracks etc.
- ☞ Use only clean and filtered media to ensure the design life of the hoses. Do not use media having corrosion potential on stainless steels
- ☞ Follow the instructions for cleaning and storage after every use of the hoses
- ☞ Operate ITH tooling only with ITH hoses supplied by authorized ITH representatives.
- ☞ Wear eye protection during any work with hydraulic tools, in particular when using high-pressure hoses
- ☞ Wear heavy duty leather gloves in addition to your personal protection equipment (e.g. safety boots, eye and ear protection, hard hat)
- ☞ Arrange for an ITH authorized representative to perform a biannual safety check of the hoses incl. certification
- ☞ Following the "Sicherheitsregeln für Hydraulik-Schlauchleitungen ZH 1/74" issued by the "Berufsgenossenschaft Chemie" replace
 - the blue high-pressure hoses latest after 6 years including a storage duration of 2 years
 - the red high-pressure hoses latest after 5 years including a storage duration of 2 years
- ☞ Test the high-pressure hoses before each use with the specified test pressure



DO NOT:

- ☞ Fix the hose at the pressing sleeve
- ☞ Touch the pressurized hose
- ☞ Loosen a fitting as long as the hose is pressurized
- ☞ Bend the hose to a radius below the minimum defined bending radius
- ☞ Operate the hose with a pressure higher than the rated pressure
- ☞ Run over a hose with any kind of vehicle
- ☞ Put any load or material on the hose
- ☞ Use contaminated or sulphur containing oils
- ☞ Pull heavy loads by means of the hose
- ☞ Exchange or modify the fittings

NEVER USE HOSES THAT:

- ☞ Show signs of cuts or visible wires at the surface
- ☞ Show blisters or kinking signs
- ☞ Have corroded and/or leaking fittings
- ☞ Have been modified or repaired
- ☞ Are older than 6 years (i.e. 5 years for red hoses) or have not been tested within 2 years with the appropriate test pressure