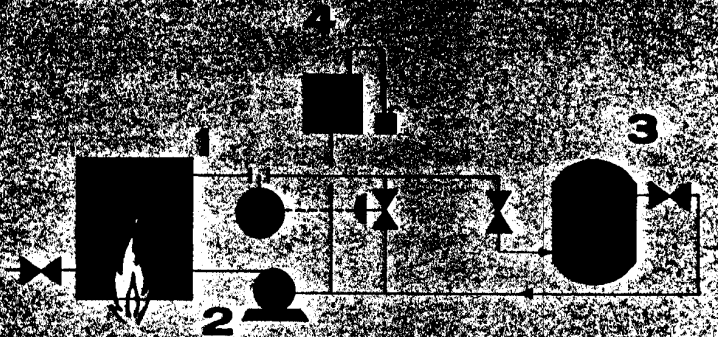
How To Keep Your Therminol® FR System Leak-Free

Therminol FR is a stable, long-lasting chemical. Consequently, measures to avoid environmental contamination through spillage, leakage or careless disposal should be observed.

Since your Therminol FR heat transfer system is a non-pressurized, closed system, fluid leakage is easily controlled. If a leakage problem does occasionally occur, here are some suggestions that will help you control it. (If leakage has caused an accumulation of fluid, please refer to "How To Dispose Of Therminol FR" on the back of this bulletin.)



CHECK THESE SOURCES FOR LEAKAGE

Generally, there are four sources of leaks in a system:

1 **FITTINGS:** Weld all connections. Flange fittings where accessibility is desired.

2 **PUMP SEALS:** Canned pumps and pumps without seals or glands are the best protection against leakage. If mechanical seals are used, enclose them or provide a drip pan with a drain to a collection sump.

3 **USER SEALS:** Direct all drains to a collection sump. Install drip pans at rotary joints.

4 **EXPANSION TANK VENT:** Direct vent to either a cold seal tank, catch pot or drum to contain vapor condensation and light ends.

WHEN YOUR SYSTEM IS UNDER DESIGN or construction, specify check valves at selected points. This will minimize fluid discharge in the rare case of a rupture at the using equipment or in the heater coil. Block valves will allow you to make repairs and changes without excessive [illegible]

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How To Dispose Of Therminol FR

If leakage does occur, collect the fluid and place it in drums. You may return the fluid to Monsanto for disposal. Or you may have the fluid reconditioned.

DISPOSAL: Return the drums prepaid to:

[redacted]

Please advise your Monsanto fluid specialist that material is being returned for disposal so proper papers can be prepared. You will be invoiced a nominal charge for this service.

RECONDITIONING: Therminol FR can be easily and quickly reconditioned for re-use if it is within certain limits on moisture, acid number viscosity and contaminants. Your Monsanto fluid specialist can refer you to an approved reclaimer.

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