

**Scale-eX**  
descaling compound for water-sealed  
liquidring pumps and systems**PRODUCT DESCRIPTION**

**Scale-eX** is a non-hazardous, non-corrosive, non-flammable, non-injurious, non-toxic and fully **bio-degradable** solvent, heavily fortified with wetting and penetrating agents which actually dissolves water scale, lime, mud, rust and other water-formed deposits from water-operated equipment. The **USDA** has **approved** this solvent for use in all departments of official establishments operating under the Federal meat, poultry, shell egg grading and egg products inspection programs.

**PRODUCT USE**

This solvent should be used as directed and within the temperature limits of 0°F/18°C and 180°F/82°C. It should be applied and be fully effective at ambient temperature (50°F/24°C). If the solution does freeze, slush or thicken at the lower temperatures, and then thaws, it will be equally effective. Please consult Dekker Vacuum Technologies when temperatures above 180°F are encountered.

We recommend to thoroughly mix the solution before use. Some settling of black precipitate may occur, resulting in an amber colored liquid, but this has no effect on it's performance.

The solution has the ability from to dissolve deposits from some equipment while in operation and without shutdown, if auxiliary coolers are incorporated.

Do not circulate solution for more than a 4 hour period without consulting Dekker Vacuum Technologies. Most cleaning applications can be accomplished within an average of 3 hours.

Please use material only as directed

**PRODUCT EFFECTIVENESS**

The solution has the ability to dissolve approximately 2 pounds (1 kilo) of calcium carbonate scale per US gallon while at 70°F/21°C, and in concentrated form. If diluted, it will still dissolve 2 pounds (1 kilo) per US gallon, but will require additional circulating time.

**CORROSION**

The solution does **not corrode**, erode, attack, oxidize or have other deleterious effects on virtually any metal or material, such as fiber, leather, rubber, copper, iron, lead, steel, titanium or other materials found in heat exchangers, vacuum pumps, evaporators, condensers, and/or other water-cooled, water-heated or water-operated equipment when used as directed.

**Exception:** when using 100% concentrated (non-diluted) solution, magnesium, zinc and aluminum could oxidize or pit, polished chrome and some alloys of stainless steel could become discolored. It is therefore not recommended to use concentrated solutions.

The rule of thumb is: if the alloy is designed for use in a water-operated system (aluminum engine block, aluminum mold, etc.), The alloy should be compatible with the Scale-eX solution. Otherwise we recommend to dilute 50% or more with water when cleaning.

**DISPOSAL**

The solution is bio-degradable with a BOD value of 16 mg/liter. This allow the solution to be water flushed down normal plant sewers. Check with local ordinances and regulations in you area prior to disposal.

**PRODUCT INFORMATION**

Specific gravity: 1.045

Vaporization temperature: 213°F/100°C

Open or closed cup flash point: none

Does not require neutralizers, as it is free rinsing with water.

DVT part no's **Scale-eX** : 5235-0010-000 - 1 gallon pail  
5235-0050-000 - 5 gallon pail  
5235-0550-000 - 55 gallon drum