

# SCALE BLASTER™

THE WATER SOFTENER ALTERNATIVE

## APPLICATIONS

Dairy Farms



# Dairy Farm Applications

## Processed products for packaged use and food service

Dairy products include liquid milk, butter, natural and processed cheese, fluid and cultured products, condensed whey, dry whey cottage cheese, ice cream, condensed & dry milk. Typical processes include: refrigerated storage, pasteurization/ sterilization, separation and packaging.

## Water and Fluids

Large volumes of water are needed for cleaning, sanitary, cooling and production processes. The pasteurization / sterilization process requires significant heat generation capacity. Many large dairy facilities have on-site boilers to meet these high temperature requirements.

## Drinking Water, Water lines and Feeders

Lime scale deposits allow for bacterial growth and bad tasting water. Cows know bad water. The more water they drink, the more milk they produce. **ScaleBlaster** will remove lime scale deposits without any chemicals or maintenance. **ScaleBlaster** will eliminate scale in the water lines and feeders as they will not foul up and cause leaking.

## Cleaning Water

**ScaleBlaster** treated water will require less chemical additives. Any iron in the water is "bound" up with scale minerals and is easier to clean-up with fewer chemicals to deal with the iron problems. E. coli contamination *may* be reduced by the **ScaleBlaster system**.

## Milk Processors and cheese manufacturing

### Cooling System

Lime scale control on cooling tower and condensers for refrigeration units and process cooling.

### Storage Tanks & Pipes

Lime scale control of milk stone, reducing the need of chemicals for cleaning the pipelines. Scale deposits increase energy needed to produce hot water, which the **ScaleBlaster** can solve. It will also shorten the cleaning cycle for dissolving the milk stone and sanitizing the equipment. Storage tanks include bulk storage tanks, caustic and acid tanks, fuel oil tanks, tank farms containing the finished product. Also tanks of assorted additives, caustics, disinfectants, detergents and cleaning agents. Milk stone will stop forming on probes and ensure correct readings on flow meters. Labor savings are also substantial.

### Process Water

**ScaleBlaster** will control lime scale deposits in brine tanks, pumps, valves, and pipes.

### Miscellaneous Equipment

Scale control in vats, extruders, fermentation tanks, slicers; shrink-wrap packaging machinery, pumps, and aeration equipment.



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