

# SCALE BLASTER™

THE WATER SOFTENER ALTERNATIVE

APPLICATIONS

Meat Packing



# Meat Packing Applications

## Processed products for paged use and food service

Processes include the slaughter and butchering of animals, the subsequent preparation of meat into a range of products and the processing and use of non-meat materials, such as blood, bone, hide and horn. Operations also include steam generation in large boiler plants, refrigerated storage, ovens/smoking facilities, sterilizing and pasteurizing lines and wastewater treatment.

## Boilers and hot water heaters

**ScaleBlaster** will take care of lime scale deposits in boiler tubes, pumps, pipes and the hot water tanks and heating coils.

## Cooling system

**ScaleBlaster** will control lime scale deposits on cooling tower fill, pipes, pumps, valves and condensers.

## Refrigerants

Meat processing plants require large cold storage facilities. The release of ammonia into the atmosphere from leaks from cooling equipment is a health and safety issue. **ScaleBlaster** will help control plumbing, piping, cooling, heat exchangers, all HVAC systems to run in a clean and efficient state, avoiding bio-corrosive conditions which may lead to leaks.

## Packing Machines

**ScaleBlaster** will help prevent pitting of water channels in aluminum headers that cool shrink-wrapping machines.

## Ovens

**ScaleBlaster** will control lime scale deposits on spray nozzles that douse the cooked meat product with cooling water. Ovens are cleaned with high pressure hot water jets and chemicals. Our unit will extend the life of the cleaning equipment and reduce time to service the equipment.

## Energy Savings

By reducing lime scale deposits in pipes, condensers and cooling towers, there will be considerable savings in reduced pumping costs and greater heat exchange efficiency.

## Wastewater Discharges

Abattoirs use large volumes of water to maintain clean and hygienic conditions. Water may be used to hose down or pressure wash floors, machinery and containers. Waste may include blood, skin, bone, hair and salt solutions. **ScaleBlaster** will reduce clogging of spray and hose equipment and aid in the reuse of water.

## Maintenance Savings by ScaleBlaster

Meat packing uses equipment like grinders, extruders, slicers, and mechanical devices for packaging. This equipment needs continuous cleaning and disinfecting. The ovens, curing booths, smokers, aging racks, pressure cookers, vacuum seal packaging equipment, cutting tables, saws, and conveyors all need cleaning. Cleaning takes almost as much time as processing.

**ScaleBlaster** water is free of other contaminants and can do a better job with less chemicals, labor and dwell time.



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