REFINERIES & PETROCHEMICAL PLANTS



MAINTENANCE, START-UP, AND TURNAROUND CAPABILITIES

Preoperations Cleaning
Cleaning of new construction, process unit expansions, and unit turnarounds.

Passivation and Neutralization
Oxidation prevention, prevention of precipitation of iron hydroxides and acid neutralization through alkaline post-boil.

On-Stream Cleaning of Heat Exchangers
Shell or tube side in-place cleaning to remove coke, coke-like to polymer fouling.

Fin Fan Cleaning
Improve heat transfer without mechanical or metallurgical damage.

Storage Tank Degassing and Cleaning Compounds
Pre-entry reduction of LELs and toxins. Foulant-dependent cleaning compounds.

Safety and Cosmetic Cleaning
Personnel, application equipment, and cleaning chemicals for turnaround hot-work fire prevention and fall hazard elimination.

Odor and Emissions Control
Chemicals to eliminate or mask odors and to encapsulate hydrocarbon vapors when agitating sludge and bottoms in tanks, ponds, or sumps.

Chemical Cleaning of Pipelines and Boilers
Removes scale and rust, oil and paraffin, and sulfides.

CHEMSTATION SOLUTIONS

The ChemStation System offers custom-formulated, environmentally friendly, industrial cleaning and process chemicals delivered to refillable containers.

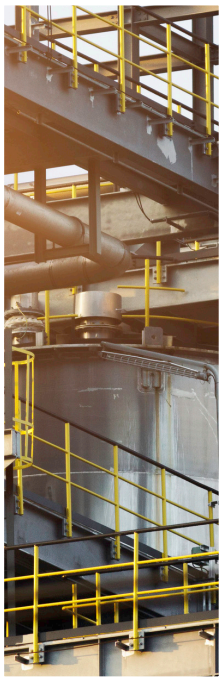
ENHANCED PERFORMANCE

ChemStation products deliver:

- Reduced benzene and other volatile hydrocarbons content
- Reduced hydrogen sulfide and ammonia levels
- Controlled oil emulsification
- Improved oil recovery
- Greater effectiveness on paraffinic and asphaltenic crudes
- Reduction in the need for mechanical cleaning
- Improved removal of coke and carbonized deposits

ENVIRONMENTAL SOLUTIONS

- Assistance in complying with applicable local and federal environmental regulations
- Assistance in waste stream management
- Refillable delivery system eliminates potential environmental contamination from discarded containers
- Analytical processes exceed all environmental standards



ChemStation

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