



## AQUA MAG® BLENDED PHOSPHATE

10 Ways to Better Quality Municipal Drinking Water Technical Brief

### 1. CORROSION CONTROL

AQUA MAG® blended phosphate inhibits corrosion of steel distribution system water lines, iron and galvanized piping, domestic lead and copper plumbing and brass faucet fixtures, by forming a microscopic film on the inside of these metallic surfaces.

### 2. IRON & MANGANESE CONTROL

AQUA MAG sequesters minerals and light metals to reduce discoloration, staining and mineral build-up throughout the water system.

### 3. CALCIUM SCALE CONTROL

AQUA MAG inhibits excessive calcium and magnesium carbonate scale from hard water supplies while promoting a protective film type scale in corrosive low hardness water qualities. Excess calcium scale deposits are typically seen in hot water lines and heaters.

### 4. BIOFILM REDUCTIONS

AQUA MAG enhances disinfectant penetration into biofilm contamination, tuberculation and scale formation inside water pipes.

### 5. CHLORINE SAVINGS

AQUA MAG sequesters chlorine consuming minerals and slows the deposition of scale by-products to improve available chlorine residuals and system disinfection.

### 6. PRE-FILTRATION AID

AQUA MAG's unique molecular structure will aid filtration capacity and backwash efficiency.

### 7. CATALYZE H<sub>2</sub>S REMOVAL

AQUA MAG expedites the oxidation process to remove annoying odors and the rotten-egg smell from hydrogen sulfide H<sub>2</sub>S present in many ground water supplies. AQUA MAG's residual effect controls the potential sulfide odor from re-developing in residential hot water heaters.

### 8. SAVE MONEY

AQUA MAG provides the highest rate of return on investment (ROI) for money spent on any operational and maintenance chemical in the water plant. Savings sources include reduced corrosion and scale, less chlorine demand, fewer failures and leaks, less hydrant flushing and fewer consumer complaints.

### 9. NSF CERTIFIED PRODUCT

AQUA MAG is fully certified by the ANSI/NSF Standard #60. It is produced using statistical process control (SPC) to guarantee the highest level of product quality and purity. AQUA MAG is 100% manufactured in the U.S.A. with US and global components.



### 10. TECHNICAL SERVICE

AQUA MAG dosage rates, water analysis, on-site inspection and professional consultation are available from Carus water quality advisors by calling (800) 435-6856 for details and your nearest authorized chemical distributor.



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