



# Scientific Linings & Coatings WCL Series WeatherCap™ Valve Protection

## Features:

- Fits 1/2" thru 16" schedule 40 pipe
- High visibility - chrome yellow color
- Installs without tools
- Withstands abrasive weather conditions: rain, ice, snow, and seals out insects, birds, bird nests, sand, dust and salt spray
- Eliminates equipment deterioration caused by external environment
- Provides visual indication of valve activation
- Provides audible warning of leaking valve
- Chemically resistant - will not shrink or discolor
- Non-toxic elastic PVC construction blended with ultraviolet inhibitors
- Flame Retardant
- Minimal interior pressure surge (1/2psi) removes WeatherCap™ from pipe
- Durable and reusable
- Five year unconditional guarantee against environmentally caused deterioration

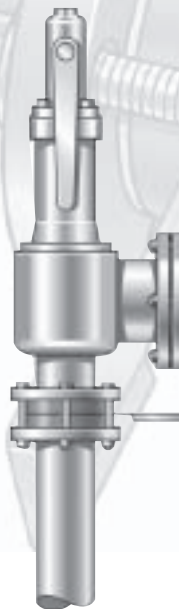
## Industries:

- Petrochemical
- Pharmaceutical
- Gas & Liquid Transportation
- Off-shore Platforms
- Oil and Gas Exploration
- Food Processing
- Ammonia Cold Storage Plants
- Paper Mills



## Applications:

- Protection for relief valves
- Manifold piping systems, ductwork
- Common header systems
- Storage tanks





# Physical and Chemical Properties & Range of Characteristics

## PHYSICAL CHARACTERISTICS

Hardness	60 Durometer
Tensile Strength	1250 psi Minimum
Elongation	250%
Specific Gravity	1.25 gm/cc
Low Temperature Flex	Less than -25°F.
Maximum Service Temperature	More than 180°F
Outdoor Exposure	Color stability varies. No significant change after ten years of exposure.
Toxicity	None
Abrasion Resistance	E
Impact Resistance	E

## PLASTISOL CHEMICAL - RESISTANCE RANGE

Water	E
Ethyl Alcohol	E
Sodium Chloride	E
Bleach	E
Hydrochloric Acid	F to E*
Sulfuric Acid	F to E*
Nitric Acid	F to E*
Acetic Acid	F
ASTM 1 Oil	F
Gasoline	F
Benzene	P
Acetone	P
Trichloroethylene	P to F

\* In general this product has excellent resistance to alkalis. Concentrated oxidizing and organic acids have a deleterious effect on prolonged exposure. Most PVC formulas have fair resistance to aliphatic solvents, fair to poor resistance to aromatic and chlorinated solvents, and poor resistance to ketones and most esters.

## CHEMICAL PROPERTIES AND RESISTANCE RANGE

Exterior Durability	E
Flexibility	E
Salt Spray	E
Solvents-Alcohols	E
Solvents-Gasoline	E
Solvents-Hydrocarbons	G
Solvents-Esters, Ketones	P
Solvents-Chlorinated	P
Salts (Solutions)	E
Ammonia	E
Alkalis	E
Acids, Mineral, Dilute (10%)	E
Acids, Mineral, Concentrated	G
Acids, Oxidizing, Dilute (10%)	E
Acids, Oxidizing, Concentrated	G

## DECORATIVE PROPERTIES

Color Range	E
Color Retention	E
Initial Gloss	E
Gloss Retention	VG

**Key: E - Excellent; VG - Very Good; G - Good; F - Fair; P - Poor**

*WCL Series cannot be used on vent piping that is installed to provide vacuum relief.*

*WCL Series Pipe Guard should not be used on applications where relieving pressures are less than 0.5psi.*

*WCL Series is not recommended for use on PVC, Plastic, or Vinyl piping.*

The above information is for use as a general guide.

**MSDS Sheet is available**

**To locate a distributor near you, log on to  
www.weathercap.com  
or call  
(800) 348-2585**