



MS-900 SELF-ADHESIVE PIPE MARKERS W/ UV OVERLAMINATE

Technical Data

CHILLED WATER SUPPLY

NATURAL GAS

Description

MS-900 UV Self-Adhesive Pipe Markers are specially designed for outdoor use. They are manufactured from premium grade thermoplastic with a permanent pressure sensitive adhesive. The film and graphics are laminated with MS-1000 providing not only additional chemical resistance but also excellent UV and fade resistance for extended outdoor durability. They are used to provide line service designations, system color-coding or various labeling needs. MS-900 UV markers conform to the ASME A 13.1 "Scheme for the Identification of Piping Systems" with regard to label colors, overall size and text height. Flow directional arrow tape or individual arrow markers are used with pipe markers to indicate direction of flow. MS-900 UV markers are available in a variety of standard and custom colors including clear.

Physical and Chemical Characteristics

| | |
|-------------------------------------|---|
| Base Material: | Premium-grade Thermoplastic w/ UV Overlaminated |
| Material Thickness: | .005" (.127 mm) |
| Service Temperature: | -50°F to 180°F (-45°C to 82°C) |
| Application Temperature: | +50°F (10°C) |
| Chemical Resistance: | Excellent |
| Water Resistance: | Excellent |
| Expected Outdoor Durability: | Very Good (Up to 5 Years) Tested to ASTM D 7869 |
| Storage Durability: | Up to 2 Years |
| Abrasion Resistance: | Very Good |
| Mounting: | Permanent pressure sensitive acrylic adhesive backing |
| Finish: | Gloss Surface |
| Text Height: | Designed to meet ANSI & ASME Standards (See chart) |
| Typical Sizes: | Designed to meet ANSI & ASME Standards (See chart) |
| Standard Colors: | Designed to meet ANSI & ASME Standards (See chart) |
| Options: | Custom Sizes Available |
| Chemical Table: | Acid Resistance: Good Alkalis Resistance: Good Salts Resistance: Good |

Label Sizes and Text Heights

| Marker Size | Pipe Diameter (Including insulation) | Marker Style | Color Field | Text Height |
|--------------|--------------------------------------|--------------|-------------|-------------|
| 1" x 8" | 3/4" – 2-1/4" | A | 8" long | 3/4" |
| 2-1/4" x 13" | 2-1/2" – 7-7/8" | B | 13" long | 1-3/4" |
| 4" x 24" | 8" – 10" | C | 24" long | 2-1/2" |
| 4" x 32" | Over 10" | D | 32" long | 3-1/2" |

*Individual arrow markers are the same width and one-half the length of the pipe markers.



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Designation of Colors (ASME A13.1-2015 & ANSI Z535-2017)

| Designation of Colors — ASME A13.1-2015 & ANSI Z535-2017 Standards | | |
|--|----------------------|--------|
| Classification | Color Scheme | |
| Defined Applications | | |
| Fire quenching liquids | White text on red | Sample |
| Toxic and corrosive fluids | Black text on orange | Sample |
| Flammable fluids | Black text on yellow | Sample |
| Combustible fluids | White text on brown | Sample |
| Potable, cooling, boiler feed and other water | White text on green | Sample |
| Compressed air | White text on blue | Sample |
| Undefined Applications | | |
| Defined by user | White text on purple | Sample |
| Defined by user | Black text on white | Sample |
| Defined by user | White text on gray | Sample |
| Defined by user | White text on black | Sample |

Designation of Colors (ANSI/ASME A13.1-1996)

| Designation of Colors — ANSI/ASME A13.1-1996 Standards | | |
|---|----------------------|--------|
| Classification | Color Scheme | |
| Materials Inherently Hazardous | | |
| Flammable or Explosive, Chemically Active or Toxic, Extreme Temperature or Pressures, Radioactive | Black text on yellow | Sample |
| Materials Inherently Low Hazard | | |
| Liquid or Liquid Admixture (non-hazardous materials) | White text on green | Sample |
| Gas or Gaseous Admixture (non-hazardous materials) | White text on blue | Sample |
| Fire Quenching Materials | | |
| Water, Foam, CO2, Halon, etc. | White text on red | Sample |

Information on physical and chemical characteristics is based on tests we believe to be reliable. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material for their specific application.

Revised on 5/23/2022