



MS-995 Coiled Pipe Markers

Technical Data



Description

MS-995 Coiled Pipe Markers are designed to identify piping in chemically harsh plant environments. The markers are constructed of a layer of polyester film and a layer of protective film, which are laminated together to form a single construction. The printed graphics are between the two layers of film to protect them from the effects of the environment. Legends can include pipe origin and destination, line number, and bar codes in addition to pipe contents. The protective top layer provides the maximum in ultraviolet protection against sun fading and other outdoor effects.

Markers are applied by wrapping completely around the pipe and held in place by an adhesive strip that sticks to the coiled marker so there is no adhesive touching the pipe. As installed, material is self-extinguishing when exposed to open flames per UL-94HB test method. Wind tunnel tested to 150 mph sustained winds.

MS-995 Coiled Pipe Markers are designed to meet ASME A13.1-2023 "Scheme for the Identification of Piping Systems".

Physical and Chemical Characteristics

| | |
|-------------------------------------|--|
| Base Material: | Polyester w/ Protective Top Layer |
| Material Thickness: | .006" (.152 mm) |
| Service Temperature: | -40°F to +250°F (-40°C to 121°C) |
| Application Temperature: | +50°F (10°C) |
| Chemical Resistance: | Excellent |
| Water Resistance: | Excellent |
| Expected Outdoor Durability: | Excellent (7+ Years) Tested to ASTM D 7869 |
| Storage Durability: | Up to 2 Years |
| Abrasion Resistance: | Very Good |
| Mounting: | Adhesive Sealing Strip |
| 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 | n/a |

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.



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Marker Sizes

| Outside Pipe Diameter (Including insulation) | Marker Length | Letter Height | Style |
|--|---------------|---------------|--------------|
| 3/8" – 1/2" | 3" | 1/4" | TM |
| 1/2" – 1" | 8" | 1/2" | A |
| 1-1/8" – 2-1/4" | 8" | 3/4" | B |
| 2-1/2" – 4-3/4" | 12" | 1-1/4" | D |
| 5" – 7-7/8" | 12" | 1-1/4" | E |
| 8" – 10" | 12" | 1-1/4" | J* |
| 11" – 12" | 12" | 1-1/4" | K* |
| 13" – 15" | 12" | 1-1/4" | L* |
| 16" – 18" | 12" | 1-1/4" | N* |
| 8 and Over | 32" | 3-1/2" | MB (Carrier) |

*Style J, K, L & N do not meet ANSI/ASME Standards for size of text or color field

Designation of Colors (ASME A13.1-2023 & ANSI Z535-2017)

| Designation of Colors — ASME A13.1-2023 & ANSI Z535-2017 Standards | | |
|--|----------------------|--------|
| Classification | Color Scheme | |
| Defined Applications | | |
| Firefighting | White text on red | Sample |
| Toxic or corrosive | Black text on orange | Sample |
| Flammable, combustible, or oxidizing | Black text on yellow | Sample |
| Steam; or steam condensate, boiler feedwater, or other hot water | Black text on gray | Sample |
| Potable, cooling, or other cold or tepid 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 brown | Sample |
| Defined by user | White text on black | Sample |

*See Standards at www.markserv.com for ASME (ANSI) A13.1 1996 spec colors *Custom color combinations (background/text) are available

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| 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 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 |

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