



MS-900 SELF-ADHESIVE PIPE MARKERS

Technical Data

FIRE/SMOKE DAMPER

CHILLED WATER RETURN

Description

MS-900 and MS-900TO self-adhesive pipe markers are manufactured from premium grade vinyl with a permanent pressure-sensitive acrylic adhesive. They are used to provide line service designations, system color-coding or various labeling needs. Flow directional arrow tape or individual arrow markers are used with pipe markers to indicate direction of flow. MS-900 markers are available in a variety of standard and custom colors including clear. To extend service life, optional MS-1000 over-lamination may be added (MS-900TO).

Physical and Chemical Characteristics

| | |
|-------------------------------------|--|
| Base Material for MS-900: | .0032" (0.0812 mm) thick PVC |
| Service Temperature: | -50°F through 180°F (-45°C thru 82°C) |
| Application Temperature: | +50°F (10°C) |
| Water Resistance: | Excellent |
| UV Resistance: | Good |
| Chemical Resistance: | Resistant to acids; alkalis and salts |
| Expected Outdoor Durability: | Base Material: 1 year; With optional MS-1000 over lamination 5 years |
| Storage Durability: | Two years when stored at +73°F (22°C) and 50% relative humidity |
| Finish: | Semi-gloss surface (MS-900); Gloss surface (MS-900TO) |
| Text Height: | Sized to fit within label boundary or comply with specified height |
| Mounting: | Permanent pressure sensitive acrylic adhesive backing |
| Standard Colors Available: | Clear, White, Red, Green, Yellow, Orange, Blue, Black. Custom colors available upon request. |

Label Sizes and Letter Heights

| Marker Size | Pipe Diameter | Marker Style | Color Field | Letter 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.

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