



# MS-900 SELF-ADHESIVE PIPE MARKERS

Technical Data

**DOMESTIC COLD WATER**

**ACID WASTE**

### Description

MS-900 Self-Adhesive Pipe markers are manufactured from premium grade thermoplastic with a permanent pressure-sensitive acrylic adhesive. They are used to provide line service designations, system color-coding or various labeling needs. MS-900 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 Markers are available in a variety of standard and custom colors. These Markers are approved for use in applications using CPVC piping.

### Physical and Chemical Characteristics

<b>Base Material:</b>	Premium-grade Thermoplastic
<b>Material Thickness:</b>	.004" (.1 mm)
<b>Service Temperature:</b>	-50°F to 180°F (-45°C to 82°C)
<b>Application Temperature:</b>	+50°F (10°C)
<b>Chemical Resistance:</b>	Good
<b>Water Resistance:</b>	Excellent
<b>Expected Outdoor Durability:</b>	Indoor Use Only
<b>Storage Durability:</b>	Up to 2 Years
<b>Abrasion Resistance:</b>	Good
<b>Mounting:</b>	Permanent pressure sensitive acrylic adhesive backing
<b>Finish:</b>	n/a
<b>Text Height:</b>	Designed to meet ANSI & ASME Standards (See chart)
<b>Typical Sizes:</b>	Designed to meet ANSI & ASME Standards (See chart)
<b>Standard Colors:</b>	Designed to meet ANSI & ASME Standards (See chart)
<b>Options:</b>	Custom Sizes Available
<b>Chemical Table:</b>	Acid Resistance: Good Alkalis Resistance: Good Salts Resistance: Good

*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 5/23/22*





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## 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"

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

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



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

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

