Marking Services Incorporated®

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

Base Material:	Premium-grade Thermoplastic
Material Thickness:	.004" (.1 mm)
Service Temperature:	-50°F to 180°F (-45°C to 82°C)
Application Temperature:	+50°F (10°C)
Chemical Resistance:	Good
Water Resistance:	Excellent
Expected Outdoor Durability:	Indoor Use Only
Storage Durability:	Up to 2 Years
Abrasion Resistance:	Good
Mounting:	Permanent pressure sensitive acrylic adhesive backing
Finish:	n/a
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

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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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 A13.1-2023 & 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

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**