



MS-900TO SELF-ADHESIVE AMMONIA PIPE MARKERS

Technical Data



Description

MS-900TO self-adhesive ammonia 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 1 mil of MS-1000 providing not only additional chemical resistance, but also excellent UV and fade resistance for extended outdoor durability. MS-900TO orange ammonia markers meet the revised IIAR Bulletin 114 (Identification of Ammonia Piping and System).

Physical and Chemical Characteristics

Base Material for MS-900:	.004" (.1 mm) thick
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:	5 years
Storage Durability:	Two years when stored at +73°F (22°C) and 50% relative humidity
Finish:	Gloss surface
Text Height:	Complies with IIAR Bulletin 114 (Identification of Ammonia Piping and System Components)
Mounting:	Permanent pressure sensitive acrylic adhesive backing
Standard Colors Available:	Complies with IIAR Bulletin 114 (Identification of Ammonia Piping and System Components)

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 and Letter Heights

MS-900 Self-Adhesive Markers:

Marker Size	Pipe Diameter	Marker Style (Orange)	Marker Style (Yellow)	Letter Height
1" x 8"	Up to 1-1/4"	A1	A1custom	1/2"
1-1/2" x 12"	1-1/2" – 2"	A2	AAL	3/4"
2-1/2" x 16"	2-1/2" – 7"	A3	ABL	1-1/4"
4" x 24"	8" – 10"	A4	ACL	2-1/2"
4-1/2" x 32"	Over 10"	A5	ADL	3-1/2"

*Directional flow arrows are included as overall size. Arrows are scored on the face of label to facilitate installation in various directions.

MS-900TO Self-Adhesive Markers:

Marker Size	Pipe Diameter	Marker Style (Orange)	Marker Style (Yellow)	Letter Height
1" x 8"	Up to 1-1/4"	A1 TO	A1custom TO	1/2"
1-1/2" x 12"	1-1/2" – 2"	A2 TO	AAL TO	3/4"
2-1/2" x 16"	2-1/2" – 7"	A3 TO	ABL TO	1-1/4"
4" x 24"	8" – 10"	A4 TO	ACL TO	2-1/2"
4-1/2" x 32"	Over 10"	A5 TO	ADL TO	3-1/2"

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Updated on 9/17/2020

