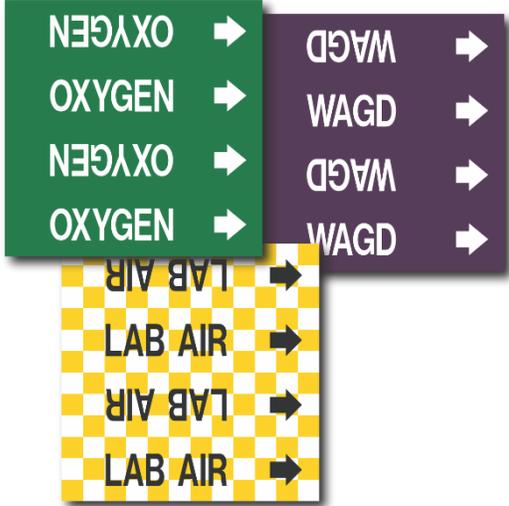




# MS-900 Self-Adhesive Medical Gas Markers

## Technical Data



### Description

MS-900 self-adhesive medical gas markers are premium grade thermoplastic with an acrylic pressure-sensitive adhesive. They are used to provide line service designations and system color-coding. Manufactured per NFPA-99C; CGA C-9-2002 "Standard Industry Color Coding Recommendations for Medical Gases."

- Color, legend and flow direction combine on one pressure-sensitive marker for easy installation
- Clearly shows both contents and flow direction
- Supplied as individual labels
- Standard legends also available in 100-label rolls (See chart)

### Physical and Chemical Characteristics

<b>Base Material:</b>	Premium-grade Thermoplastic
<b>Material Thickness:</b>	0.004" (0.10 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 NFPA-99C; CGA C-9-2002 "Standard Industry Color Coding Recommendations for Medical Gases. (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.*



# MS-900 Self-Adhesive Medical Gas Markers

## Technical Data

### Marker Sizes & Letter Heights

Marker Size	Letter Size	Pipe Outer Diameter (including insulation)
3" x 3"	.25"	Up to 0.75"
4" x 4"	.5"	0.875" – 1.25"
6" x 6"	.75"	1.375" – 1.75"

### Designation of Medical Gas Colors

GAS SERVICE	ABBREVIATED NAME	STANDARD GAUGE PRESSURE	COLORS (BACKGROUND/TEXT)	
Carbon Dioxide	CO <sub>2</sub>	50-55 psi	Gray/Black or Gray/White	
Helium	He	50-55 psi	Brown/White	
Instrument Air		160-185 psi	Red/White	
Laboratory Air		None	Yellow and White Checkerboard/Black	
Laboratory Vacuum		None	White and Black Checkerboard/Black Boxed	
Medical Air	Med Air	50-55 psi	Yellow/Black	
Medical-Surgical Vacuum	Med Vac	15 in - 30 in HgV	White/Black	
Nitrogen	N <sub>2</sub>	160-185 psi	Black/White	
Nitrogen Oxide	N <sub>2</sub> O	50-55 psi	Blue/White	
Non-Medical Air (Level 3 Gas-Powered Device)		None	Yellow and White Diagonal Stripe/Black	
Non-Medical Vacuum and Level 3 Vacuum		None	White and Black Diagonal Stripe/Black Boxed	
Oxygen	O <sub>2</sub>	50-55 psi	Green/White or White/Green	
Oxygen / Carbon Dioxide Mixtures	O <sub>2</sub> , CO <sub>2</sub> n% (n is % of CO <sub>2</sub> )	50-55 psi	Green/White	
Waste Anesthetic Gas Disposal	WAGD	Varies with system type	Violet/White	
Other Mixtures	Gas A%/Gas B%	None	Colors as above for major gas background/minor gas for text	

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Standard Legends & Part Numbers

<b>Legend</b>	<b>Colors</b> (Background / Text)	<b>MSI Part</b>
<b>Carbon Dioxide</b>	Gray / White	68501
<b>Carbon Dioxide 50 PSI</b>	Gray / White	68502
<b>Helium</b>	Brown / White	68503
<b>Lab Air</b>	Yellow Checker / Black	68518
<b>Lab Vacuum</b>	Yellow Checker / Black	68519
<b>Medical Air</b>	Yellow / Black	68504
<b>Medical Air 50 PSI</b>	Yellow / Black	68512
<b>Medical Evac</b>	Purple / White	68510
<b>Medical Vacuum</b>	White / Black	68506
<b>Nitrogen</b>	Black / White	68507
<b>Nitrogen 160 PSI</b>	Black / White	68514
<b>Nitrous Oxide</b>	Blue / White	68508
<b>Nitrous Oxide 50 PSI</b>	Blue / White	68516
<b>Oxygen</b>	Green / White	68509
<b>Oxygen 50 PSI</b>	Green / White	68517
<b>WAGD</b>	Purple / White	68511

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