



MS-900AS SELF-ADHESIVE MEDICAL GAS MARKERS

Technical Data



Description

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

- Colour, legend and flow direction combine on one pressure-sensitive marker for easy installation
- Clearly shows both contents and flow direction
- Supplied in rolls of 100 labels or individual pieces

Physical and Chemical Characteristics

| | |
|---------------------------------|---|
| Film: | .0032" (0.0812 mm) thick material |
| Adhesive: | Permanent pressure-sensitive acrylic |
| Service Temperature: | -50°F to +180°F (-45°C to 82°C) |
| Application Temperature: | +50°F (10°C) |
| Water Resistance: | Excellent |
| Chemical Resistance: | Resistant to acids, alkalis and salts |
| Storage Durability: | Two years when stored at +73°F (22°C) and 50% relative humidity |

Marker Sizes and Letter Heights

| Style Marker | Marker Size | Letter Size | Pipe Outer Diameter (including insulation) |
|---------------|-----------------|-------------|--|
| Roll or Sheet | 76 mm x 76 mm | 6 mm | Up to 19 mm |
| Sheet | 102 mm x 102 mm | 13 mm | 22 mm – 32 mm |
| Sheet | 152 mm x 152 mm | 19 mm | 35 mm – 44 mm |













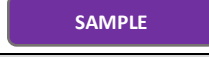




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Designation of Medical Gas Colours

| GAS SERVICE | ABBREVIATED NAME | STANDARD GAUGE PRESSURE | COLOURS (BACKGROUND/TEXT) | |
|---|--|-------------------------|--|---|
| Carbon Dioxide | CO ₂ | 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 to 30 in HgV | White/Black |  |
| Nitrogen | N ₂ | 160-185 psi | Black/White |  |
| Nitrous Oxide | N ₂ O | 50-55 psi | Blue/White |  |
| Nonmedical Air (Level 3 gas-powered device) | | None | Yellow and White Diagonal Stripe/Black | |
| Nonmedical Vacuum and Level 3 Vacuum | | None | White and Black Diagonal Stripe/Black Boxed |  |
| Oxygen | O ₂ | 50-55 psi | Green/White or White/Green |  |
| Oxygen/Carbon Dioxide Mixtures | O ₂ , CO ₂ n% (n is % of CO ₂) | 50-55 psi | Green/White |  |
| Waste Anesthetic Gas Disposal | WAGD | Varies with system type | Violet/White |  |
| Other Mixtures | Gas A%/Gas B% | None | Colours as above for major gas background/minor gas for text | |

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.

Updated on 3/3/2020

