



Brimar
INDUSTRIES

**BRIMAR
DATASHEET
BOOK**

PIPE MARKERS

IDENTIFICATION PRODUCTS FOR THE
PLUMBING AND MECHANICAL INDUSTRY

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

ANSI/ASME A13.1-2023 Scheme for the Identification of Piping Systems

Latest Revision ANSI / ASME A13.1-2023:

Primary Means of Identification:

The legend (name of the pipe content) and directional flow arrow remain the primary means of identifying pipe content. The size and placement of the marker and arrow has not changed. See ANSI/ ASME Size Chart below and installation guide for details.

ASME A13.2023 3.1 Legend: "Positive identification of the contents of a piping system shall be by lettered legend, giving the name of the contents in full or abbreviated form. Arrows shall be used to indicate direction of flow. Where flow can be in both directions, arrows in both directions shall be displayed. Contents shall be identified by a legend with sufficient additional details such as temperature, pressure, etc. as are necessary to identify the hazard."

Pipemarker.com meets ANSI & ASME A13.1-2023 Type and Letter Size requirements: Brimar uses sans serif gothic bold lettering (Arial Bold) when manufacturing pipe markers to provide high readability and contrast with marker color.












Font type: Sans Serif Gothic | Font name: Arial Bold

Additional Means of Identification ASME A13.1-2023

ASME A13.1 has incorporated the GHS pictograms into the new 2023 revision and has recommended their use as part of the legend.

"The applicable GHS pictogram as illustrated in Fig. 1 may be included as part of the legend. Where piping is connected to containers that are labeled in accordance with GHS requirements, a corresponding label on the piping may be provided. The corresponding label should contain at least the product name or identifier, the pictogram, the signal word, and the physical, health and environmental hazard statements."

 <p>GHS01</p> <p>Health Hazard</p> <ul style="list-style-type: none"> • Carcinogen • Mutagenicity • Reproductive Toxicity • Respiratory Sensitizer • Target Organ Toxicity • Aspiration Toxicity 	 <p>GHS02</p> <p>Flame</p> <ul style="list-style-type: none"> • Flammables • Pyrophorics • Self-Heating • Emits Flammable Gas • Self-Reactives • Organic Peroxides 	 <p>GHS03</p> <p>Exclamation Mark</p> <ul style="list-style-type: none"> • Irritant (skin and eye) • Skin Sensitizer • Acute Toxicity (harmful) • Narcotic Effects • Respiratory Tract Irritant • Hazardous to Ozone Layer (Non-Mandatory) 	 <p>GHS04</p> <p>Gas Cylinder</p> <ul style="list-style-type: none"> • Gases Under Pressure 	 <p>GHS05</p> <p>Corrosion</p> <ul style="list-style-type: none"> • Skin Corrosion/ Burns • Eye Damage • Corrosive to Metals
 <p>GHS06</p> <p>Exploding Bomb</p> <ul style="list-style-type: none"> • Explosives • Self-Reactives • Organic Peroxides 	 <p>GHS07</p> <p>Flame Over Circle</p> <ul style="list-style-type: none"> • Oxidizers 	 <p>GHS08</p> <p>Environment Skull (Non-Mandatory)</p> <ul style="list-style-type: none"> • Aquatic Toxicity 	 <p>GHS09</p> <p>Skull and Crossbones</p> <ul style="list-style-type: none"> • Acute Toxicity (fatal or toxic) 	



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ANSI/ASME A13.1-2023 Scheme for the Identification of Piping Systems

Secondary Means of Identification:

The secondary means of identification is the color code of the marker. The exact colors are contained in the ANSI Z535.1 Safety Color Code.

ASME A13.2023 3.2 Color: "Color should be used to identify the characteristic hazards of the contents. Color should be displayed on, or contiguous to, the piping by any physical means, but its use shall be in combination with the legend..."

Brimar Products Compliance:

The new standard does not require the replacement of previously installed markers. The standard only applies to new installations. Brimar products comply with ANSI / ASME A13.1 standards and we are committed to a uniform standard of pipe identification. However, we recognize that it's not possible or realistic for everyone to adopt the new 2023 standard immediately and therefore Brimar will continue to offer markers that comply with the old and new standards. For our product offering Brimar has identified which color combinations comply with which standard, either the 1996 or the 2023 version.

ANSI / ASME A13.1 Designation of Colors

FLUID SERVICE	Color Combinations
Firefighting Fluids This classification includes water, foam and CO2 used in sprinkler systems and fire fighting piping systems.	RED BKGD / WHITE LETTERS
Toxic & Corrosive Fluids This classification includes fluids that are corrosive or toxic, or will produce corrosive or toxic substances when released.	ORANGE BKGD / BLACK LETTERS
Flammable, Combustible, & Oxidizing Fluids Flammable: This classification includes fluids, which, under ambient or expected operating conditions, are a vapor or produce vapors that can be ignited and continue to burn in air. Oxidizing: Oxidizing fluid is any gas or liquid that may, generally by providing oxygen, cause or contribute to the combustion of other material more than air does. Combustible Fluids This classification includes fluids that can burn, but are not flammable.	YELLOW BKGD / BLACK LETTERS
Steam; or Steam Condensate, Boiler Feedwater, or Other Hot Water	GRAY BKGD / BLACK LETTERS
Potable, Cooling, or Other Cold or Tepid Water	GREEN BKGD / WHITE LETTERS
Compressed Air	BLUE BKGD / WHITE LETTERS
Defined by the User	PURPLE BKGD / WHITE LETTERS
Defined by the User	WHITE BKGD / BLACK LETTERS
Defined by the User	BROWN BKGD / WHITE LETTERS
Defined by the User	BLACK BKGD / WHITE LETTERS

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ANSI/ASME A13.1-2023 Scheme for the Identification of Piping Systems

Pipemarker.com meets ANSI & ASME A13.1-2023 Marker Size requirements:

Brimar follows the size recommendations supplied on this standard for all of our pipe marking products.

ANSI / ASME A13.1-2023 Size Chart (Pipe Overall Diameter, Marker Size & Letter Height)

The following chart shows the recommended pipe marker letter height and marker size based on the outside pipe diameter of the pipe to be identified. For pipes O.D. smaller than 0.75" (19mm) and for valve and fitting identification, the use of a permanent legible tag is recommended.



For pipes with O.D. of 0.7" to 1.3"
(18 to 33mm)
Legend Size: 0.5" (13mm) high
Marker Size: 8" (200mm) wide



For pipes with O.D. of 1.4" to 2.4"
(34 to 61mm)
Legend Size: 0.7" (19mm) high
Marker Size: 8" (200mm) wide



For pipes with O.D. of 2.5" to 6.7"
(62 to 170mm)
Legend Size: 1.3" (32mm) high
Marker Size: 12" (300mm) wide



For pipes with O.D. of 6.8" to 10"
(171 to 254mm)
Legend Size: 2.5" (64mm) high
Marker Size: 24" (600mm) wide



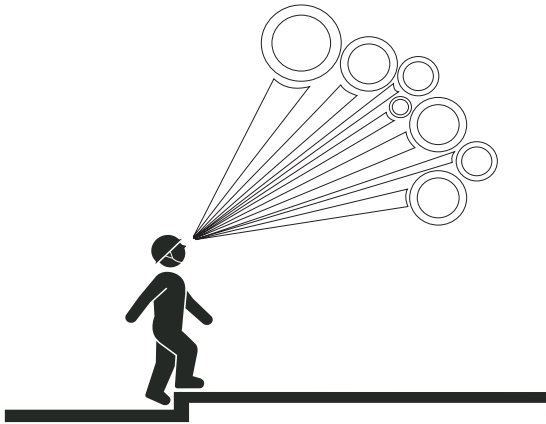
For pipes with O.D. over 10"
(254mm)
Legend Size: 3.5" (89mm) high
Marker Size: 32" (800mm) wide

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ANSI/ASME A13.1-2023 Scheme for the Identification of Piping Systems

Installation Recommendations:



Always position pipe labels on pipes to achieve the best visibility. Install pipe labels below or above the horizontal centerline of the pipe when pipes are located above or below the normal line of vision.



Install pipe labels close to valves or flanges



Install pipe labels near branches and whenever a pipe changes direction.



Install pipe labels before and after all wall, floor and ceiling penetrations



Install pipe labels at frequent intervals on straight pipe runs.
Brimar recommends 25 ft.

Abandoned Piping

Piping that has been abandoned in place should be identified. The recommended color scheme is safety white background with black letters. A black border should be added to the identification. When the abandoned piping is protected from corrosion by the addition of a pressurized fluid or contains residual hazardous material, the legend should indicate that.



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Self-Adhesive Pipe Markers

NATURAL GAS

3 Typical Installations



1 Self-Adhesive Marker with Self-Adhesive Arrow

2 Self-Adhesive Marker with Arrow Banding Tape

3 Self-Adhesive Marker with Banding Tape & Self-Adhesive Arrow

STANDARD COLORS

Color	Standard Color
Red	Firefighting
Yellow	Flammable, Combustible, or Oxidizing
Green	Potable, Cooling, or Other Cold or Tepid Water
Purple	Defined By The User
Brown	Defined By The User
White with black border	Defined By The User
Yellow with black border	Defined By The User
Black with white border	Defined By The User
White with black diagonal stripes	Defined By The User
Black with white diagonal stripes	Defined By The User

Toxic or Corrosive

Steam; or Steam Condensate, Boiler Feedwater, or Other Hot Water

Compressed Air

Defined By The User

Defined By The User

Defined By The User

Defined By The User

Defined By The User

MARKER STYLE	OUTSIDE PIPE DIAMETER	MARKER DIMENSIONS	RECOMM. MAX. CHARACT.	SIZE OF LETTERS	DIRECTIONAL FLOW	
					ALTERN. MATCHING ARROW	ALTERN. ARROW TAPE
1XSM	3/4" - 1-1/4" 19 - 32mm	8 x 1-1/8" 203 x 29mm	22	1/2 inch 13mm	4 x 1-1/8" 102 x 29mm	1" 25.4mm
1SM	1-1/2" - 2-3/8" 38 - 60mm	8 x 1-1/8" 203 x 29mm	18	3/4 inch 19mm	4 x 1-1/8" 102 x 29mm	1" 25.4mm
1	2 1/2" - 7-7/8" 64 - 200mm	14 x 2-1/4" 356 x 57mm	22	1-1/4 inch 32mm	6 x 2-1/4" 152 x 57mm	2" 51mm
1LG	8" - 10" 203 - 254mm	24 x 4" 610 x 102mm	22	2-1/2 inch 64mm	7 x 4" 178 x 102mm	2" or 4" 51 or 102mm
1XLG	OVER 10" Over 254mm	32 x 4" 813 x 102mm	22	3-1/2 inch 89mm	7 x 4" 178 x 102mm	2" or 4" 51 or 102mm

Compliance:

- ANSI / ASME A13.1-2023 "Scheme for the Identification of Piping Systems"
- ANSI Z535.1 "Safety Color Code"
- NFPA 99 Health Care Facilities Code
- LEED Compliance: This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC.
- RoHS3, EU Directive 2015/863/EU Compliant: Yes
- REACH SVHC (SVHC Candidate list of June 2020): Yes
- California Proposition 65: Yes

Material:

Outdoor Grade 3.2 mil thick high gloss adhesive backed calendared vinyl film, printed using UV and chemical resistant inks, to ensure durability in most commercial / industrial environments.

Use: Identify piping systems. Self-Adhesive Pipe Markers used in conjunction with Self-Adhesive Matching Arrow or Arrow Banding Tapes to identify both, pipe content and directional flow for full compliance with ANSI / ASME A13.1

Adhesive:

Aggressive permanent acrylic adhesive formulated to adhere to a variety of insulated and non insulated pipe surfaces.

Surface Preparation:

Surface must be dry and reasonably clean prior to applying adhesive backed label product. Minimum Surface Temperature 50°F (10°C).

Outdoor Durability: 4 to 5 years Mid Continental US

Abrasion Resistance: Good

Water Resistance: Good

Solvent Resistance: Good resistance to most petroleum solvents and lower aliphatic alcohols

Service Temp: -20°F (-29°C) to 200°F (93°C)

Storage Stability: 2 years at 60°F to 80°F (16°C to 27°C) and 40-60% R.H

DATE: / /

JOB: _____

CONTRACTOR: _____

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Self-Adhesive Arrows



* Note: ANSI / ASME A13.1-2023 requires that the arrow should point away from the legend.

MARKER STYLE	OUTSIDE PIPE DIAMETER	MARKER DIMENSIONS	ARROW SIZE
1XSM	3/4" - 1-1/4" 19mm to 32mm	4 x 1-1/8" 102 x 29mm	2-1/2 x 1/2" 64 x 13mm
1SM	1-1/2" - 2-3/8" 38mm to 60mm	4 x 1-1/8" 102 x 29mm	3 x 3/4" 76 x 19mm
1	2-1/2" - 7-7/8" 64mm to 200mm	6 x 2-1/4" 152 x 57mm	5 x 1-1/4" 127 x 32mm
1LG	8" - 10" 203mm to 254mm	7 x 4" 178 x 102mm	6-1/2 x 2-1/2" 165 x 64mm
1XLG	OVER 10" Over 254mm	7 x 4" 178 x 102mm	6-1/2 x 2-1/2" 165 x 64mm

Compliance:

- ANSI / ASME A13.1-2023 "Scheme for the Identification of Piping Systems"
- ANSI Z535.1 "Safety Color Code"
- **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC.
- RoHS3, EU Directive 2015/863/EU Compliant: Yes
- REACH SVHC (SVHC Candidate list of June 2020): Yes
- California Proposition 65: Yes

Material:

Outdoor Grade 3.2 mil thick high gloss adhesive backed calendared vinyl film, printed using UV and chemical resistant inks, to insure durability in most commercial / industrial environments.

Use:

Identify piping systems. Arrows are often used in conjunction with Self-Adhesive Pipe Markers to identify directional flow of pipe content and to fully comply with ANSI / ASME A13.1

2 Typical Installations



1 Self-Adhesive Marker with Self-Adhesive Arrow



2 Self-Adhesive Marker with Banding Tape & Self-Adhesive Arrow



STANDARD COLORS

Firefighting	Toxic or Corrosive
Flammable, Combustible, or Oxidizing	Steam; or Steam Condensate, Boiler Feedwater, or Other Hot Water
Potable, Cooling, or Other Cold or Tepid Water	Compressed Air
Defined By The User	Defined By The User
Defined By The User	Defined By The User

Adhesive:

Aggressive permanent acrylic adhesive formulated to adhere to a variety of insulated and non insulated pipe surfaces.

Surface Preparation:

Surface must be dry and reasonably clean prior to applying adhesive backed label product. Minimum Surface Temperature 50°F (10°C).

Outdoor Durability: 4 to 5 years Mid Continental US

Abrasion Resistance: Good

Water Resistance: Good

Solvent Resistance: Good resistance to most petroleum solvents and lower aliphatic alcohols.

Service Temp: -20°F (-29°C) to 200°F (93°C)

Storage Stability: 2 years at 60°F to 80°F (16°C to 27°C) and 40-60% R.H

DATE: _____ JOB: _____

CONTRACTOR: _____



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Premium Arrow Banding Tape



When determining how much tape to order be aware of the following:

- Premium Arrow Banding Tape is 30 yards long.
- Most people will apply tape on both ends of the pipe marker resulting in 2 bands per marker see typical installation image above)
- Table below provides the quantity of **bands** for an specific O.D. (Outside Diameter), not the quantity of markers.



Typical Installation

Self-Adhesive Marker with Arrow Banding Tape

Pipe Diameter	1" (25.4mm)	2" (51mm)	3" (76mm)	4" (102mm)	5" (127mm)	6" (152mm)	7" (178mm)	8" (203mm)	9" (229mm)	10" (254mm)	12" (305mm)
30 Yard (90')	308	154	102	77	61	51	44	38	34	30	25

Tape Size		Recommended Pipe Size		Marker Style
1" x 30 yds.	25.4mm x 27.4m	Up to 2-3/8"	Up to 60mm	1XSM & 1SM
2" x 30 yds.	51mm x 27.4m	2-1/2" to 7-3/8"	64 to 187mm	1
4" x 30 yds.	102mm x 27.4m	Over 8"	Over 203mm	1LG & 1XLG

Compliance:

- ANSI / ASME A13.1-2023 "Scheme for the Identification of Piping Systems"
- ANSI Z535.1 "Safety Color Code"
- **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC.
- RoHS3, EU Directive 2015/863/EU Compliant: Yes
- REACH SVHC (SVHC Candidate list of June 2020): Yes
- California Proposition 65: Yes

Material: Outdoor Grade 3.2 mil thick high gloss adhesive backed calendered vinyl film, printed using UV and chemical resistant inks, to insure durability in most commercial / industrial environments.

Use: Liner mounted adhesive tape. Banding & Arrow Tapes are often used in conjunction with Self-Adhesive Pipe Markers to identify directional flow of pipe content and to fully comply with ANSI /ASME A13.1. Tape provides a 360° visible color code and locator for the actual marker, which indicates pipe content.

Adhesive: Aggressive Permanent Adhesive formulated to adhere to a variety of insulated and non insulated pipe surfaces.

STANDARD COLORS

Firefighting	Toxic or Corrosive
Flammable, Combustible, or Oxidizing	Steam, or Steam Condensate, Boiler Feedwater, or Other Hot Water
Potable, Cooling, or Other Cold or Tepid Water	Compressed Air
Defined By The User	Defined By The User
Defined By The User	Defined By The User

Surface Preparation:

Surface must be dry and reasonably clean prior to applying adhesive backed label product. Minimum Surface Temperature 50°F (10°C).

Outdoor Durability: 4 to 5 years Mid Continental US

Abrasion Resistance: Good

Water Resistance: Good

Solvent Resistance: Good resistance to most petroleum solvents and lower aliphatic alcohols

Service Temp: -20°F (-29°C) to 200°F (93°C)

Storage Stability: 2 years at 60°F to 80°F (16°C to 27°C) and 40-60% R.H

DATE: ___ / ___ / ___ JOB: _____

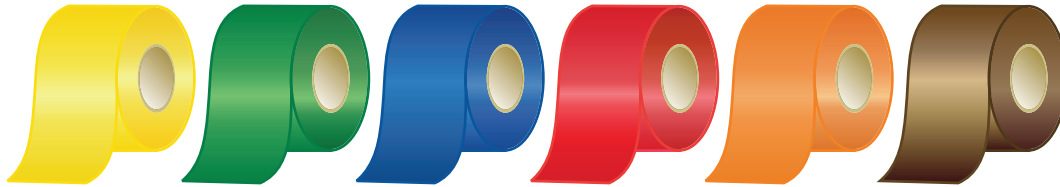
CONTRACTOR: _____



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Premium Banding Tape



Self-Adhesive Marker with Banding Tape & Self-Adhesive Arrow

STANDARD COLORS

Firefighting	Toxic or Corrosive
Flammable, Combustible, or Oxidizing	Compressed Air
Potable, Cooling, or Other Cold or Tepid Water	Defined By The User

Tape Size		Recommended Pipe Size		Marker Style
1" x 30 yds.	25.4mm x 27.4m	Up to 2-3/8"	Up to 60mm	1XSM & 1SM
2" x 30 yds.	51mm x 27.4m	2-1/2" to 7-3/8"	64 to 187mm	1
4" x 30 yds.	102mm x 27.4m	Over 8"	Over 203mm	1LG & 1XLG

Compliance:

- ANSI / ASME A13.1-2023 "Scheme for the Identification of Piping Systems"
- ANSI Z535.1 "Safety Color Code"
- **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC.

Adhesive:

Aggressive Permanent Adhesive formulated to adhere to a variety of insulated and non insulated pipe surfaces.

Material:

Outdoor Grade 3.2 mil thick high gloss adhesive backed calendared vinyl film, printed using UV and chemical resistant inks, to insure durability in most commercial / industrial environments.

Surface Preparation:

Surface must be dry and reasonably clean prior to applying adhesive backed label product. Minimum Surface Temperature 50° F (10°C).

Use:

Liner mounted adhesive tape. Banding Tapes are often used in conjunction with Self-Adhesive Pipe Markers and Self-Adhesive Arrows to identify directional flow of pipe content and to fully comply with ANSI / ASME A13.1-2023. Tape provides a 360° visible color code and locator for the actual marker, which indicates pipe content.

Outdoor Durability:

- 4 to 5 years Mid Continental US
- Abrasion Resistance:** Good
- Water Resistance:** Good
- Solvent Resistance:** Good
- Service Temp:** -20°F (-29°C) to 200°F (93°C)
- Storage Stability:** 2 years at 70°F (21°) with 50 RH

DATE: ___ / ___ / ___ JOB: _____

CONTRACTOR: _____



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Snap-Around and Strap-On Pipe Markers

Compliance:

- ANSI / ASME A13.1-2023 "Scheme for the Identification of Piping Systems"
- ANSI Z535.1 "Safety Color Code"
- NFPA 99 Health Care Facilities Code

• **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). When supplied with adhesive strip, the adhesive backing on this product contains < 5.8 grams / Liter VOC.

- **UL 94** - Test for Flammability of Plastic Materials.

Classification achieved: 94V-0

- As Per Test Method ASTM E-85, the material's Flame Spread is rated at 25 or less

Material:

Semi Rigid Colored PVC Vinyl extruded with UV inhibition for outdoor durability. The image is applied with UV resistant inks. Sizes AA thru E are thermoformed to achieve a pre-tension wrap around pressure for specific pipe sizes. Sizes F thru H are provided with slotted holes and are strapped onto pipes using nylon ties.

Material Thickness:

.015" thick used with Styles AA, A, B, F, G, and H

.025" thick used with Styles C, D, and E

Snap-Around and Strap-On Pipe Markers are constructed of PVC which is inherently self-extinguishing

Use:

Identify piping systems. Snap-Around and Strap-On Pipe Markers offer significant advantages to conventional pipe labels. Speed of installation, pre-tension wrap around markers, no pipe preparation and 360° visibility of marker locations. Arrows & legends are printed repeatedly in opposite directions allowing the marker to be applied in any direction achieving proper reading while indicating pipe content flow.

Surface Preparation: None

Outdoor Durability: 4 to 5 years Mid-Continental US

Abrasion Resistance: Good

Water Resistance: Excellent

Chemical Resistance: Excellent resistance to most petroleum solvents and low aliphatic alcohols.

Service Temp: All Sizes*

-40°F to 160°F (-40° C to 71°C)

* Snap-Around and Strap-On Pipe Markers are not recommended for use in environments or on pipes constantly above 180°F (82°C).

Fasteners

36" (915mm) Nylon Ties

48" (1219mm) Nylon Ties

3/8" x .015" x 200'

Stainless Steel Strapping
(See Accessories Data Sheet)

CHILLED WATER SUP. →

← CHILLED WATER SUP.

1 Snap-Around Pipe Markers (Styles A thru E)

CHILLED WATER SUP. →

← CHILLED WATER SUP.

2 Strap-On Pipe Markers (Styles F thru H)

SIZE CHART

MARKER STYLE	OUTSIDE PIPE DIAMETER	MARKER WIDTH	CHARACTER SIZE
AA	3/8" - 1/2" (10 - 13 mm)	3" (76.2 mm)	1/4" (6.4 mm)
A	3/4" - 1" (19 - 25 mm)	8" (203 mm)	1/2" (13 mm)
B	1-1/8" - 2-3/8" (29 - 60mm)	8" (203mm)	3/4" (19mm)
C*	2-1/2" - 3-1/4" (64 - 83mm)	12" (305 mm)	1-1/4" (32mm)
D*	3-3/8" - 4-1/2" (86 - 114mm)	12" (305 mm)	1-1/4" (32mm)
E*	4-5/8" - 6" (117 - 152mm)	12" (305 mm)	1-1/4" (32mm)
F**	6-1/8" - 7-7/8" (155 - 200mm)	12" (305 mm)	1-1/4" (32mm)
G**	8" - 10" (203 - 254mm)	24" (610mm)	2-1/2" (64mm)
H**	Over 10" (Over 254mm)	32" (813mm)	3-1/2" (89mm)

* Supplied with adhesive strip, which is only recommended if service temperature exceeds 100°F.

** Strap-on mounting method includes 2 nylon ties.

Storage Stability: Indefinite shelf life at conditions of 70°F (21°C) and 60% RH.

STANDARD COLORS

Flammable, Combustible Oxidizing	Potable, Cooling, or Other Cold or Tepid Water
Compressed Air	Firefighting
Toxic or Corrosive	Steam; or Steam Condensate, Boiler Feedwater, or Other Hot Water
Defined By User	Defined By User
Defined By User	Defined By User
Defined By User	Defined By User
Defined By User	Defined By User

DATE: ___ / ___ / ___

JOB: _____

CONTRACTOR: _____



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Snap-Around and Strap-On Pipe Markers

Compliance:

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- ANSI Z535.1 "Safety Color Code"
- NFPA 99 Health Care Facilities Code

• **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). When supplied with adhesive strip, the adhesive backing on this product contains < 5.8 grams / Liter VOC.

- **UL 94 - Test for Flammability of Plastic Materials.**
Classification achieved: 94V-0

• As Per Test Method ASTM E-85, the material's Flame Spread is rated at 25 or less

Material:

Semi Rigid Colored PVC Vinyl extruded with UV inhibition for outdoor durability. The image is applied with UV resistant inks. Sizes AA thru E are thermoformed to achieve a pre-tension wrap around pressure for specific pipe sizes. Sizes F thru H are provided with slotted holes and are strapped onto pipes using nylon ties.

Material Thickness:

.015" thick used with Styles AA, A, B, F, G, and H
.025" thick used with Styles C, D, and E

Snap-Around and Strap-On Pipe Markers are constructed of PVC which is inherently self-extinguishing

Use:

Identify piping systems. Snap-Around and Strap-On Pipe Markers offer significant advantages to conventional pipe labels. Speed of installation, pre-tension wrap around markers, no pipe preparation and 360° visibility of marker locations. Arrows & legends are printed repeatedly in opposite directions allowing the marker to be applied in any direction achieving proper reading while indicating pipe content flow.

Surface Preparation: None

Outdoor Durability: 4 to 5 years Mid-Continental US

Abrasion Resistance: Good

Water Resistance: Excellent

Chemical Resistance: Excellent resistance to most petroleum solvents and low aliphatic alcohols.

Service Temp: All Sizes*

-40°F to 160°F (-40° C to 71°C)

* Snap-Around and Strap-On Pipe Markers recommended for use in environments or on pipes constantly above 180°F (82°C).

Fasteners

- 36" (915mm) Nylon Ties
- 48" (1219mm) Nylon Ties
- 3/8" x .015" x 200'

Stainless Steel Strapping
(See Accesories Data Sheet)

FIRE SPRINKLER WATER →

← **FIRE SPRINKLER WATER**

1 Snap-Around Pipe Markers (Styles A thru E)

FIRE SPRINKLER WATER →

← **FIRE SPRINKLER WATER**

2 Strap-On Pipe Markers (Styles F thru H)

SIZE CHART

MARKER STYLE	OUTSIDE PIPE DIAMETER	MARKER WIDTH	CHARACTER SIZE
AA	3/8" - 1/2" (10 - 13 mm)	3" (76.2 mm)	1/4" (6.4 mm)
A	3/4" - 1" (19 - 25 mm)	8" (203 mm)	1/2" (13 mm)
B	1-1/8" - 2-3/8" (29 - 60mm)	8" (203mm)	3/4" (19mm)
C*	2-1/2" - 3-1/4" (64 - 83mm)	12" (305 mm)	1-1/4" (32mm)
D*	3-3/8" - 4-1/2" (86 - 114mm)	12" (305 mm)	1-1/4" (32mm)
E*	4-5/8" - 6" (117 - 152mm)	12" (305 mm)	1-1/4" (32mm)
F**	6-1/8" - 7-7/8" (155 - 200mm)	12" (305 mm)	1-1/4" (32mm)
G**	8" - 10" (203 - 254mm)	24" (610mm)	2-1/2" (64mm)
H**	Over 10" (Over 254mm)	32" (813mm)	3-1/2" (89mm)

* Supplied with adhesive strip , which is only recommended if service temperature exceeds 100°F.

** Strap on mounting method includes 2 nylon ties.

Storage Stability: Indefinite shelf life at conditions of 70°F (21°C) and 60% RH.

STANDARD COLORS

Flammable, Combustible Oxidizing	Potable, Cooling, or Other Cold or Tepid Water
Compressed Air	Firefighting
Toxic or Corrosive	Steam; or Steam Condensate, Boiler Feedwater, or Other Hot Water
Defined By User	Defined By User
Defined By User	Defined By User
Defined By User	Defined By User
Defined By User	Defined By User

DATE: ___ / ___ / ___

JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Duct Markers

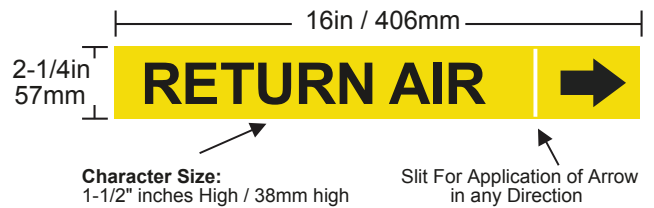
1 Duct Marker Rolls

Style: **DMS on a Roll**



2 Duct Marker Cards

Style: **DMS**



Style: **DML**



MARKER STYLE	DUCT SIZE	MARKER DIMENSIONS	CHARACTER SIZE
ROLL	Up to 24" Up to 610mm	16 x 2 1/4" 406 x 57mm (50 markers/roll)	1-1/2" 38mm
DMS	Up to 24" Up to 610mm	16 x 2 1/4" 406 x 57mm	1-1/2" 38mm
DML	Over 24" Over 610mm	24 x 4" 610 x 102mm	2 1/2" 63.5mm

STANDARD COLORS

Green: For cold-air supply ducts.

Yellow: For hot-air supply ducts

Blue: For exhaust-, outside-, relief-, return-, and mixed-air ducts

• **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC.

Material:

Outdoor Grade 3.2 mil thick high gloss adhesive backed calendered vinyl film, printed using UV and chemical resistant inks, to ensure durability in most commercial / industrial environments.

Use:

Identify duct systems. Duct markers are provided with a slitted arrow for easy application and identification of the pipe content directional flow. Sold in convenient rolls of 50 markers or as individual cards.

Adhesive:

Aggressive Solvent Based Adhesive formulated to adhere to a variety of insulated and non insulated pipe surfaces.

Surface Preparation:

Surface must be dry and reasonably clean prior to applying adhesive backed label product. Minimum Surface Temperature 50°F (10°C).

Outdoor Durability: 4 to 5 years Mid Continental US

Abrasion Resistance: Good

Water Resistance: Good

Solvent Resistance: Good

Service Temp: -20°F (-29°C) to 200°F (93°C)

Storage Stability: 2 years at 70°F (21°C) with 50 RH

DATE: / /

JOB: _____

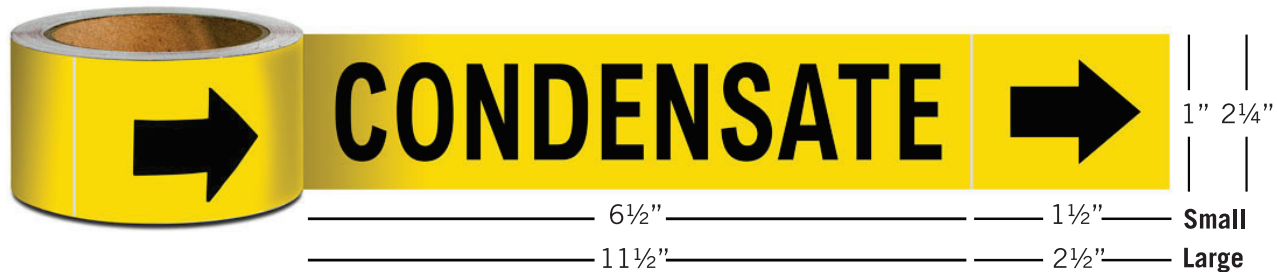
CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Pipe Markers on a Roll



SIZE CHART

MARKER STYLE	OUTSIDE PIPE DIAMETER	MARKER DIMENSIONS	SIZE OF LETTERS
Small	3/4" - 2-3/8" 19 x 60mm	8 x 1" 203 x 25.4mm	3/4" 19mm
Large	2-1/2" - 7-7/8" 64 x 200mm	14 x 2-1/4" 356 x 57mm	1-1/4" 32mm

STANDARD COLORS

Flammable, Combustible, or Oxidizing	Potable, Cooling, or Other Cold or Tepid Water
Compressed Air	Firefighting
Toxic or Corrosive	Steam, or Steam Condensate, Boiler Feedwater, or Other Hot Water
Defined By User	Defined By User
Defined By User	Defined By User
Defined By User	Defined By User

Compliance:

- ANSI / ASME A13.1-2023 "Scheme for the Identification of Piping Systems"
- ANSI Z535.1 "Safety Color Code"
- NFPA 99 Health Care Facilities Code
- **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC.

Material:

Outdoor Grade 3.2 mil thick high gloss adhesive backed calendared vinyl film, printed using UV and chemical resistant inks, to insure durability in most commercial / industrial environments.

Use:

Identify piping systems. Pipe Markers and Arrows are provided in conventional rolls of 50. Rolls are slitted between each marker and arrow to allow for easy installation of the arrow in any direction.

Adhesive:

Aggressive Permanent Adhesive formulated to adhere to a variety of insulated and non insulated pipe surfaces.

Surface Preparation:

Surface must be dry and reasonably clean prior to applying adhesive backed label product. Minimum Surface Temperature 50°F (10°C).

Outdoor Durability: 4 to 5 years Mid Continental US

Abrasion Resistance: Good

Water Resistance: Good

Solvent Resistance: Good

Service Temp: -20°F (-29°C) to 200°F (93°C)

Storage Stability: 2 years at 70°F (21°C) with 50 RH

DATE: ___ / ___ / ___ JOB: _____

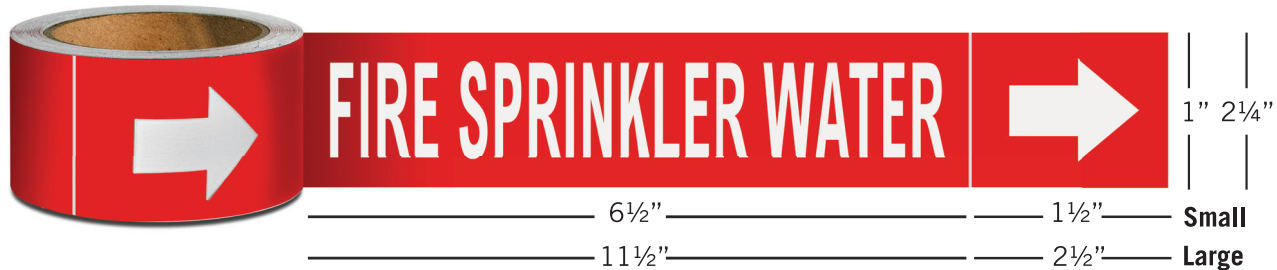
CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Pipe Markers on a Roll



SIZE CHART

MARKER STYLE	OUTSIDE PIPE DIAMETER	MARKER DIMENSIONS	SIZE OF LETTERS
Small	3/4" - 2-3/8" 19 x 60mm	8 x 1" 203 x 25.4mm	3/4" 19mm
Large	2-1/2" - 7-7/8" 64 x 200mm	14 x 2-1/4" 356 x 57mm	1-1/4" 32mm

STANDARD COLORS

Flammable, Combustible, or Oxidizing	Potable, Cooling, or Other Cold or Tepid Water
Compressed Air	Firefighting
Toxic or Corrosive	Steam; or Steam Condensate, Boiler Feedwater, or Other Hot Water
Defined By User	Defined By User
Defined By User	Defined By User
Defined By User	Defined By User

Compliance:

- ANSI / ASME A13.1-2023 "Scheme for the Identification of Piping Systems"
- ANSI Z535.1 "Safety Color Code"
- NFPA 99 Health Care Facilities Code
- **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC.

Material:

Outdoor Grade 3.2 mil thick high gloss adhesive backed calendered vinyl film, printed using UV and chemical resistant inks, to insure durability in most commercial / industrial environments.

Use:

Identify piping systems. Pipe Markers and Arrows are provided in conventional rolls of 50. Rolls are slitted between each marker and arrow to allow for easy installation of the arrow in any direction.

Adhesive:

Aggressive Permanent Adhesive formulated to adhere to a variety of insulated and non insulated pipe surfaces.

Surface Preparation:

Surface must be dry and reasonably clean prior to applying adhesive backed label product. Minimum Surface Temperature 50°F (10°C).

Outdoor Durability: 4 to 5 years Mid Continental US

Abrasion Resistance: Good

Water Resistance: Good

Solvent Resistance: Good

Service Temp: -20°F (-29°C) to 200°F (93°C)

Storage Stability: 2 years at 70°F (21°C) with 50 RH

DATE: ___ / ___ / ___ JOB: _____

CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Wrap-Around Pipe Markers on a Roll

SIZE CHART

MARKER STYLE	OUTSIDE PIPE DIAMETER	CHARACTER SIZE	ROLL DIMENSIONS	LEGENDS PER ROLL
Small	3/4" - 2-3/8" 19mm to 60 mm	3/4" 19mm	8" Roll 203mm	240
Large	2-1/2" - 7-7/8" 64mm to 200mm	1-1/4" 32mm	12" Roll 305mm	144

STANDARD COLORS

Flammable, Combustible, or Oxidizing	Potable, Cooling, or Other Cold or Tepid Water
Compressed Air	Firefighting
Toxic or Corrosive	Steam; or Steam Condensate, Boiler Feedwater, or Other Hot Water
Defined By User	Defined By User
Defined By User	Defined By User
Defined By User	Defined By User



Compliance:

- ANSI / ASME A13.1-2023 "Scheme for the Identification of Piping Systems"
- ANSI Z535.1 "Safety Color Code"
- NFPA 99 Health Care Facilities Code
- **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC.

Material:

Outdoor Grade 3.2 mil thick high gloss adhesive backed calendared vinyl film, printed using UV and chemical resistant inks, to insure durability in most commercial / industrial environments.

Use:

Identify piping systems. Typically installed by wrapping the label completely around the pipe to provide a 360° visible marker. Legends and arrows are printed repeatedly in opposite directions to allow the label to be applied in any direction achieving proper reading while indicating pipe content flow.

Adhesive:

Aggressive Permanent Adhesive formulated to adhere to a variety of insulated and non insulated pipe surfaces.

Surface Preparation:

Surface must be dry and reasonably clean prior to applying adhesive backed label product. Minimum Surface Temperature 50° F (10°C).

Outdoor Durability: 4 to 5 years Mid Continental US

Abrasion Resistance: Good

Water Resistance: Good

Solvent Resistance: Good

Service Temp: -20°F (-29°C) to 200°F (93°C)

Storage Stability: 2 years at 70°F with 50 RH

DATE: / /

JOB: _____

CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

High-Performance Pipe Markers

High Temp. Markers

Compliance:

- ANSI / ASME A13.1-2023 "Scheme for the Identification of Piping Systems"
- ANSI Z535.1 "Safety Color Code"
- NFPA 99 Health Care Facilities Code
- **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC.
- Halide Content: These are considered low halide markers as the materials are non-halogenated and free of chlorides & fluorides.

Material:

Sizes 4A, 4B, 4E and 4F are constructed using a 5 mil polyester with a 1 mil polyester overlam. The image is applied with UV resistant inks. These markers are affixed to themselves with a clear high performance Tedlar sealing strip. Sizes AR4B, AR4E and AR4F offer 360° visibility.

Sizes 4G and 4H are constructed using a 2 mil (.002) polyester with a 1 mil (.001) acrylic adhesive. This marker is then mounted to a .032 thick high temperature white aluminum carrier. Size AR4H is secured to pipes using stainless steel strapping or nylon straps. (S.S. Strapping & nylon straps are sold separately)

Use:

Identify piping systems of industrial environments that are expected to reach higher temperatures or high exposure to chemicals. Arrows & legends are printed repeatedly in opposite directions allowing the marker to be applied in any direction achieving proper reading while indicating pipe content flow.

Chemical Resistance

UV Rated
C1-10 Alkanes: Good
Water: Excellent
10% Caustic: Excellent
50% Caustic: Good
Methanol: Excellent
Hydrochloric Acid: Excellent
Fuel Oil: Excellent
Acetic Acid: Good
Acetone: Good
Abrasion Resistance: Good

Surface Preparation: None
Outdoor Durability: 5 to 8 years
 Mid Continental US

Service Temp: -40°F to 248°F
 (-40°C to 120°C)

Storage Stability: Indefinite shelf life at conditions of 70°F (21°C) and 60% RH.



1 Snap-Around Markers
 (Styles 4A, 4B, 4E & 4F)
 With Clear Adhesive Strip



2 Strap-On Marker
 (Styles 4G & 4H)

On Aluminum Carrier

SIZE CHART

MARKER STYLE	OUTSIDE PIPE DIAMETER	MARKER WIDTH	CHARACTER SIZE
4A*	1/2" - 1" (13 - 25 mm)	8" (203 mm)	1/2" (13 mm)
4B*	1-1/8" - 2-3/8" (29 - 60mm)	8" (203mm)	3/4" (19mm)
4E*	2-1/2" x 4-3/4" (64 - 111mm)	12" (305mm)	1-1/4" (32mm)
4F*	5" - 7-7/8" (127 - 200mm)	12" (305mm)	1-1/4" (32mm)
4G**	8" - 10" (203 - 254mm)	24" (610mm)	2-1/2" (64mm)
4H**	Over 10" (Over 254mm)	32" (813mm)	3-1/2" (89mm)

* Supplied with clear high performance sealing strip.
 ** Strap on mounting method (S.S. strapping & nylon ties sold separately)

STANDARD COLORS

Flammable, Combustible, or Oxidizing	Potable, Cooling, or Other Cold or Tepid Water
Compressed Air	Firefighting
Toxic or Corrosive	Steam; or Steam Condensate, Boiler Feedwater, or Other Hot Water
Defined By User	Defined By User
Defined By User	Defined By User
Defined By User	Defined By User

DATE: / /

JOB: _____

CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

HIGH-PERFORMANCE PIPE MARKER CLEAR POLYESTER OVERLAMINATE

- 1.0 mil clear polyester has excellent abrasion, humidity, chemical and solvent resistance
- Protects the underlying graphics from harsh environmental conditions
- Provides a high-gloss appearance to printed graphics
- Adhesive exhibits good clarity and cold-flow properties, resulting in good wet-out performance

PRODUCT DATA	VALUE	TEST METHOD	
Physical Properties			
Thickness (Mils[microns])	Film	1.0 (25) +/- 10%	
	Adhesive	0.9-1.0 (23-25) +/- 0.1 (3)	
	Liner	1.0 (25) +/- 5%	
Dimensional Stability (%)	No Shrinkage Observed	Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C)	
Adhesion Properties			
Ultimate Peel from	Average	ASTM D 903 (Modified for 72 hour dwell time)	
	Oz/In		(N/m)
	Acrylic		45 (495)
	Glass		29 (319)
	Metal		41 (451)
	Polyester		43 (473)
	Polyethylene		24 (264)
	Polyethylene Corona Treated		35 (385)
	Polypropylene		5 (55)
	PVC		46 (506)
	Stainless Steel		34 (374)
	Styrene		44 (484)
Expected Shear		ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load	
Room Temp (hours)	25		
Tack (gm/sq cm)	320	ASTM D 2979	
Service Temperature Range	-40°F to 248°F (-40°C to 120°C)		
Minimum Application Temperature	50°F (10°C)		
Storage Stability	Two years when stored at 70°F (21°C) and 50% RH		

DATE: / /

JOB: _____

CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

High Temp. Self-Adhesive Pipe Markers

High Temp. Poly Pipe Markers

CHILLED WATER RET.



MARKER INSTALLATION

MARKER STYLE	OUTSIDE PIPE DIAMETER	MARKER DIMENSIONS	RECOMM. MAX. CHARACT.	ALTERN. MATCHING ARROW	SIZE OF LETTERS
1SM	1 1/2" - 2 3/8" 38 - 60mm	8 x 1 1/8" 203 x 29mm	18	4 x 1 1/8" 102 x 29mm	3/4 inch 19mm
1	2 1/2" - 7 7/8" 64 - 200mm	14 x 2 1/4" 356 x 57mm	22	6 x 2 1/4" 152 x 57mm	1 1/4 inch 32mm
1LG	8" - 10" 203 - 254mm	24 x 4" 610 x 102mm	22	7 x 4" 178 x 102mm	2 1/2 inch 64mm
1XLG	OVER 10" Over 254mm	32 x 4" 813 x 102mm	22	7 x 4" 178 x 102mm	3 1/2 inch 89mm

STANDARD COLORS

Flammable, Combustible, or Oxidizing	Potable, Cooling, or Other Cold or Tepid Water
Compressed Air	Firefighting
Toxic or Corrosive	Defined By User
Defined By User	

Compliance:

- ANSI / ASME A13.1-2023 "Scheme for the Identification of Piping Systems"
- ANSI Z535.1 "Safety Color Code"
- LEED Compliance: This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC.

Halide Content: These are considered low halide markers as the materials are non-halogenated and free of chlorides & fluorides.

Material:

High Temp. Self-Adhesive Pipe Markers are constructed with 2 Mil White Polyester with hi-performance pressure sensitive acrylic adhesive backing, and overlaminated with 1 mil clear polyester. Polyester offers superior chemical and temperature resistance to vinyl markers.

Adhesive:

Aggressive solvent based acrylic adhesive with excellent adhesion properties on a broad base of application substrates such as Stainless Steel, Acrylic, Glass, Coated Metals and Plastics. Backed with a layflat 90 lb. moisture stable polycoated release liner ideal for sheet-form converting.

Use:

Identify piping systems of industrial environments that are expected to reach higher temperatures or high exposure to chemicals. Use High Temp. Self-Adhesive Pipe Markers in conjunction with Matching Arrows to identify both, pipe content and directional flow for full compliance with ANSI / ASME A13.1-2023.

Surface Preparation:

Surface must be dry and reasonably clean prior to applying adhesive backed label product. Minimum Surface Temperature 50°F (10°C).

Chemical Resistance

UV Rated

- C1-10 Alkanes: Good
- Water: Excellent
- 10% Caustic: Excellent
- 50% Caustic: Good
- Methanol: Excellent
- Hydrochloric Acid: Excellent
- Fuel Oil: Excellent
- Acetic Acid: Good
- Acetone: Good
- Abrasion Resistance: Good

Outdoor Durability: 5 to 8 years Mid Continental US
 Service Temp: -40°F to 248°F (-40°C to 120°C)
 Storage Stability: Indefinite shelf life at conditions of 70°F (21°C) and 60% RH.

DATE: ___ / ___ / ___

JOB: _____

CONTRACTOR: _____

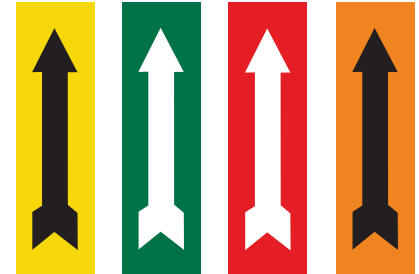


Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

High Temp. Self-Adhesive Arrow Cards

Use with System#5 Pipe Markers



MARKER STYLE	OUTSIDE PIPE DIAMETER	MARKER DIMENSIONS	ARROW SIZE
1SM	1-1/2" - 2-3/8" / 38 - 60mm	4 x 1-1/8" / 102 x 29mm	3 x 3/4" / 76 x 19mm
1	2-1/2" - 7-7/8" / 64 - 200mm	6 x 2-1/4" / 152 x 57mm	5 x 1-1/4" / 127 x 32mm
1LG & 1XLG	Over 8" / 203mm	7 x 4" / 178 x 102mm	6-1/2 x 2-1/2" / 165 x 64mm



MARKER INSTALLATION

STANDARD COLORS

Flammable, Combustible, or Oxidizing

Potable, Cooling, or Other Cold or Tepid Water

Toxic or Corrosive

Firefighting

Compliance:

- ANSI / ASME A13.1-2023 "Scheme for the Identification of Piping Systems"
- ANSI Z535.1 "Safety Color Code"
- LEED Compliance: This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC. Halide Content: These are considered low halide markers as the materials are non-halogenated and free of chlorides & fluorides.

Material:

High Temp. Self-Adhesive Pipe Markers are constructed with 2 Mil White Polyester with hi-performance pressure sensitive acrylic adhesive backing, and overlaminated with 1 mil clear polyester. Polyester offers superior chemical and temperature resistance to vinyl markers.

Adhesive:

Aggressive solvent based acrylic adhesive with excellent adhesion properties on a broad base of application substrates such as Stainless Steel, Acrylic, Glass, Coated Metals and Plastics. Backed with a layflat 90 lb. moisture stable polycoated release liner ideal for sheet-form converting.

Use:

Identify piping systems of industrial environments that are expected to reach higher temperatures or high exposure to chemicals. Use High Temp. Self-Adhesive Pipe Markers in conjunction with Matching Arrows to identify both, pipe content and directional flow for full compliance with ANSI / ASME A13.1-2023.

Surface Preparation:

Surface must be dry and reasonably clean prior to applying adhesive backed label product. Minimum Surface Temperature 50°F (10°C).

Chemical Resistance

UV Rated

- C1-10 Alkanes: Good
- Water: Excellent
- 10% Caustic: Excellent
- 50% Caustic: Good
- Methanol: Excellent
- Hydrochloric Acid: Excellent
- Fuel Oil: Excellent
- Acetic Acid: Good
- Acetone: Good
- Abrasion Resistance: Good

Outdoor Durability: 5 to 8 years Mid Continental US
 Service Temp: -40°F to 248°F (-40°C to 120°C)
 Storage Stability: Indefinite shelf life at conditions of 70°F (21°C) and 60% RH.

DATE: ___ / ___ / ___

JOB: _____

CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

High Temp. Self-Adhesive Pipe Marker Clear Polyester Overlamine

- 1.0 mil clear polyester has excellent abrasion, humidity, chemical and solvent resistance
- Protects the underlying graphics from harsh environmental conditions
- Provides a high-gloss appearance to printed graphics
- Adhesive exhibits good clarity and cold-flow properties, resulting in good wet-out performance
- UL-recognized under UL 969 - UL File No. PGGU2-MH10170 Marking and Labeling System Materials - Component

PRODUCT DATA	VALUE	TEST METHOD		
Physical Properties				
Thickness (Mils[microns])	Film	1.0 (25) +/- 10%	ASTM D 3652 (Modified for use with non-tape products)	
	Adhesive	0.9-1.0 (23-25) +/- 0.1 (3)		
	Liner	1.0 (25) +/- 5%		
Dimensional Stability (%)	No Shrinkage Observed	Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C)		
Adhesion Properties				
Ultimate Peel from	Average		ASTM D 903 (Modified for 72 hour dwell time)	
	Oz/In	(N/m)		
	Acrylic	45		(495)
	Glass	29		(319)
	Metal	41		(451)
	Polyester	43		(473)
	Polyethylene	24		(264)
	Polyethylene Corona Treated	35		(385)
	Polypropylene	5		(55)
	PVC	46		(506)
	Stainless Steel	34		(374)
Styrene	44	(484)		
Expected Shear			ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load	
	Room Temp (hours)	25		
Tack (gm/sq cm)	320	ASTM D 2979		
Service Temperature Range	-40°F to 248°F (-40°C to 120°C)			
Minimum Application Temperature	50°F (10°C)			
Storage Stability	Two years when stored at 70°F (21°C) and 50% RH			

DATE: ____ / ____ / ____

JOB: _____

CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

High Temp. Self-Adhesive Pipe Marker White Polyester

- 2.0 mil gloss white polyester provides consistent surface smoothness, excellent dimensional stability and endurance to varying temperatures
- Aggressive permanent acrylic pressure-sensitive adhesive bonds well to low- and high-surface energy plastics, painted metal, powder-coated paint, polycarbonate and fiberglass.
- Backed with a 90 lb. moisture stable polycoated layflat release liner ideal for sheet-form converting
- UL recognized under UL 969 - UL File No. PGGU2.MH10170 Marking and Labeling System Materials - Component
- CSA accepted under CSA File No. 99214

PRODUCT DATA	VALUE	TEST METHOD
Physical Properties		
Thickness (Mils[microns])	Film	1.0 (25) +/- 10%
	Adhesive	0.9-1.0 (23-25) +/- 0.1 (3)
	Liner	1.0 (25) +/- 5%
Dimensional Stability (%)	No Shrinkage Observed	Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C)
Adhesion Properties		
Ultimate Peel from	Average	ASTM D 903 (Modified for 72 hour dwell time)
	Oz/In (N/m)	
Acrylic	45 (495)	
Glass	29 (319)	
Metal	41 (451)	
Polyester	43 (473)	
Polyethylene	24 (264)	
Polyethylene Corona Treated	35 (385)	
Polypropylene	5 (55)	
PVC	46 (506)	
Stainless Steel	34 (374)	
Styrene	44 (484)	
Expected Shear		ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	25	
Tack (gm/sq cm)	320	ASTM D 2979
Service Temperature Range	-40°F to 248°F (-40°C to 120°C)	
Minimum Application Temperature	50°F (10°C)	
Storage Stability	Two years when stored at 70°F (21°C) and 50% RH	

DATE: ____ / ____ / ____

JOB: _____

CONTRACTOR: _____

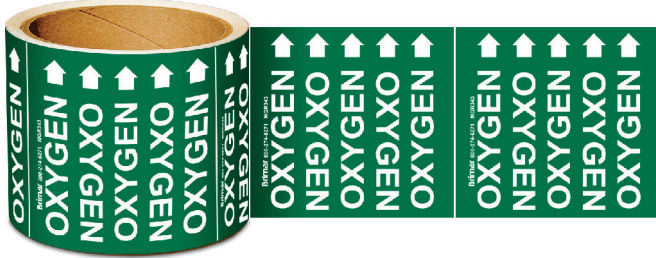
Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Medical Gas Markers (Rolls and Single Labels)

MedGas Roll Style

100 Markers per Roll
Marker Size = 3 x 3" (76 x 76mm)



MARKER STYLE	OUTSIDE PIPE DIAMETER	MARKER SIZE	QTY OF MARKERS	SIZE OF LETTERS
M3	3/8" to 3/4" 10 to 19mm	2-3/4 x 3" 70 x 76mm	1 Marker	3/8 inch 10 mm
M2	1" to 2" 25 to 51mm	4 x 7" 102 x 178mm	1 Marker	1/2 inch 13 mm
ROLL	3/8" to 3/4" 10 to 19mm	3 x 3" 76 x 76mm	100/roll	3/8 inch 10 mm

Compliance:

- NFPA 99 Health Care Facilities Code "Gas & Vacuum Systems"
- CGA C9 Standard
- **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC.

Material:

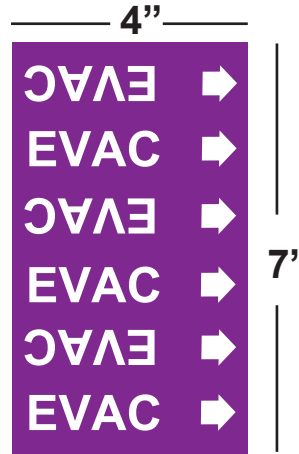
Outdoor Grade 3.2 mil thick high gloss adhesive backed calendered vinyl film, printed using UV and chemical resistant inks, to ensure durability in most commercial / industrial environments.

Use:

Identify Medical Gas & Vacuum Systems. Typically installed by wrapping the label completely around the pipe to provide 360° visibility. Legends & Arrows are printed repeatedly in opposite directions for the label to be applied in any direction allowing for proper reading while indicating pipe content flow. Sold in convenient rolls of 100 or as cards containing multiple markers. Both, cards and rolls are back slitted for easy installation.

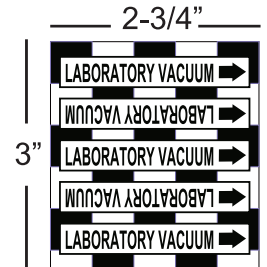
Adhesive:

Aggressive Solvent Based Adhesive formulated to adhere to a variety of insulated and non insulated pipe surfaces.



MedGas Style M2

1 Card = 4 x 7" (102 x 178mm)
6 Printed Legends
6 printed Arrows

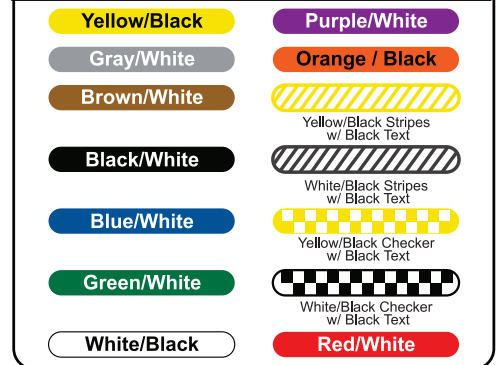


MedGas Style M3

1 Card = 2-3/4 x 3"
(70 x 76mm)
5 Printed Legends
5 Printed Arrows

Standard Colors

(NFPA 99 Table 5.1.11)



Surface Preparation:

Surface must be dry and reasonably clean prior to applying adhesive backed label product.
Minimum Surface Temperature 50°F (10°C)

Outdoor Durability: 4 to 5 years Mid Continental US

Abrasion Resistance: Good

Water Resistance: Good

Solvent Resistance: Good

Service Temp: -20°F (-29°C) to 200°F (93°C)

Storage Stability: 2 years at 70°F (21°C) with 50 RH

DATE: / /

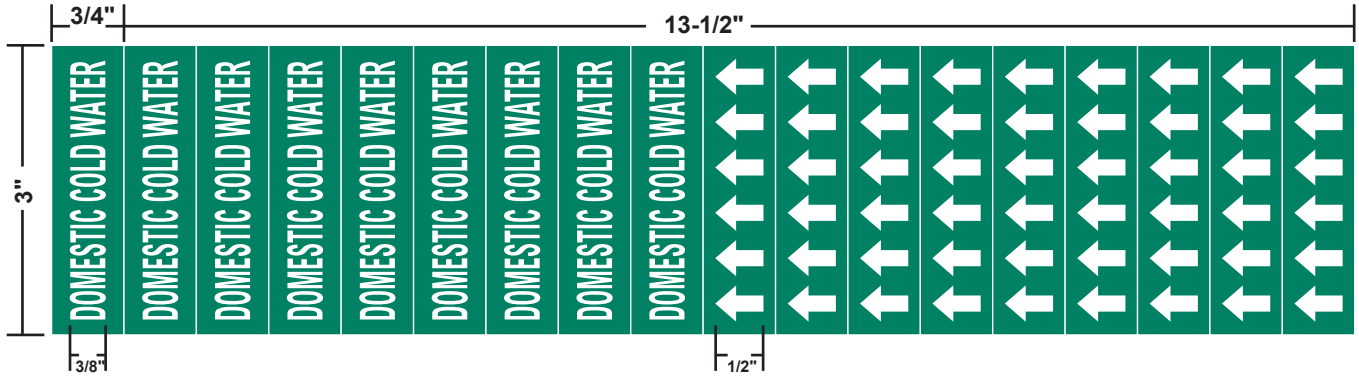
JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Small Diameter Pipe Markers (Stick On Labels)



Card Size: 3 x 13-1/2"
 9 Legends at 13 x 3/4" each / Text Height 3/8"
 9 Arrow Bands at 13 x 3/4" each.
 6 Arrows per card at 3/8 wide x 1/2 high



MARKER INSTALLATION

STANDARD COLORS

Flammable, Combustible Oxidizing	Potable, Cooling, or Other Cold or Tepid Water
Compressed Air	Firefighting
Toxic or Corrosive	Steam; or Steam Condensate, Boiler Feedwater, or Other Hot Water
Defined By User	Defined By User
Defined By User	Defined By User
Defined By User	Defined By User

Compliance:

• ANSI Z535.1 "Safety Color Code" and NFPA 99

• **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC.

Material:

Outdoor Grade 3.2 mil thick high gloss adhesive backed calendared vinyl film, printed using UV and chemical resistant inks, to ensure durability in most commercial / industrial environments.

DIRECTIONAL FLOW

MARKER STYLE	OUTSIDE PIPE DIAMETER	OVERALL CARD SIZE	SINGLE MARKER SIZE	SIZE OF LETTERS	MATCHING ARROW CARD SIZE	SIZE OF ARROW
STYLE 18	Up to 3/4" O.D. Up to 19mm	3 x 13" 76 x 330mm	3 x 3/4" 76 x 19mm	3/8 inch 19.5mm	3 x 3/4" 76 x 19mm	1/2" 13mm

Use:

Identify the content and directional flow of small piping systems. Use Small Markers in conjunction with Matching Arrows.

Adhesive:

Aggressive Permanent Adhesive formulated to adhere to a variety of insulated and non insulated pipe surfaces.

Surface Preparation:

Surface must be dry and reasonably clean prior to applying adhesive backed label product. Minimum Surface Temperature 50°F (10°C).

Outdoor Durability: 4 to 5 years Mid Continental US

Abrasion Resistance: Good

Water Resistance: Good

Solvent Resistance: Good

Service Temp: -20°F (-29°C) to 200°F (93°C)

Storage Stability: 2 years at 70°F (21°C) with 50 RH

DATE: / /

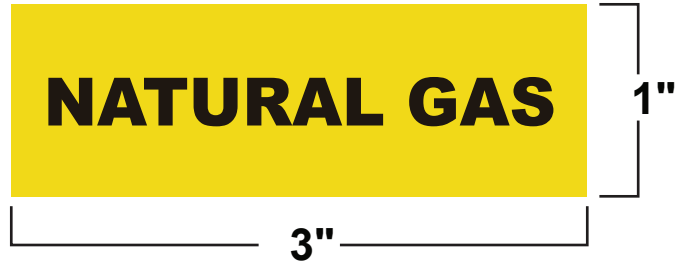
JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

NATURAL GAS MARKERS ON A ROLL



Natural Gas Markers are supplied in Roll form containing 100 labels at 3 x 1"



Typical Installation

Compliance:

- National Plumbing Codes

• **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC.

• Use:

These markers are designed to be used on copper gas lines and are perfect for residential construction.

Some areas of the country allow copper lines to be used for Natural Gas and LP Gas, as long as the lines are properly identified every 12"

Material:

Outdoor Grade 3.2 mil thick high gloss adhesive backed calendered vinyl film, printed using UV and chemical resistant inks, to ensure durability in most commercial / industrial environments.

Adhesive:

Aggressive Solvent Based Adhesive formulated to adhere to a variety of insulated and non insulated pipe surfaces.

Surface Preparation:

Surface must be dry and clean prior to applying adhesive backed label product. Min. Surface Temperature 50°F (10°C).

Outdoor Durability: 4 to 5 years Mid Continental US

Abrasion Resistance: Good

Water Resistance: Good

Solvent Resistance: Good

Service Temp: -20°F (-29°C) to 200°F (93°C)

Storage Stability: 2 years at 70°F (21°C) with 50 RH

DATE: / /

JOB: _____

CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Snap-Around Voltage Markers

Compliance:

- ANSI / ASME A13.1-2023 "Scheme for the Identification of Piping Systems"
- ANSI Z535.1 "Safety Color Code"
- **UL 94** - Test for Flammability of Plastic Materials. Classification achieved: 94V-0
- As Per Test Method ASTM E-85, the material's Flame Spread is rated at 25 or less



Material:

Semi Rigid Colored PVC Vinyl extruded with UV inhibition for outdoor durability. The image is applied with UV resistant inks. Sizes AA thru D are thermoformed to achieve a pre-tension wrap around pressure for specific pipe sizes.

Material Thickness:

- .015" thick used with Styles AA, A, B
- .025" thick used with Styles C, D

System #1 Pipe Markers are constructed of PVC which is inherently self-extinguishing

Use:

Identify piping systems. Snap-Around Markers offer significant advantages to conventional pipe labels. Speed of installation, pre-tension wrap around markers, no pipe preparation and 360° visibility of marker locations. Arrows & legends are printed repeatedly in opposite directions allowing the marker to be applied in any direction achieving proper reading while indicating pipe content flow.

Surface Preparation: None

Outdoor Durability: 4 to 5 years Mid-Continental US

Abrasion Resistance: Good

Water Resistance: Excellent

Chemical Resistance: Excellent resistance to most petroleum solvents and low aliphatic alcohols.

Service Temp: All Sizes*

-40°F to 160°F (-40° C to 71°C)

* System #1 Markers are not recommended for use in environments or on pipes constantly above 180°F (82°C).

SIZE CHART

MARKER STYLE	OUTSIDE PIPE DIAMETER	MARKER WIDTH	CHARACTER SIZE
AA	3/8" - 1/2" (10 - 13 mm)	3" (76.2 mm)	1/4" (6.4 mm)
A	3/4" - 1" (19 - 25 mm)	8" (203 mm)	1/2" (13 mm)
B	1-1/8" - 2-3/8" (29 - 60mm)	8" (203mm)	3/4" (19mm)
C*	2-1/2" - 3-1/4" (64 - 83mm)	12" (305 mm)	1-1/4" (32mm)
D*	3-3/8" - 4-1/2" (86 - 114mm)	12" (305 mm)	1-1/4" (32mm)

Storage Stability: Indefinite shelf life at conditions of 70°F (21°C) and 60% RH.

* Supplied with adhesive strip , which is only recommended if service temperature exceeds 100°F.

DATE: ____ / ____ / ____

JOB: _____

CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Self-Adhesive Voltage Markers

<p>1 Marker @ 1-1/8 x 8" Text Size: 1/2"</p> 	<p>1 Marker @ 2-1/4 x 9" Text Size: 1-1/4"</p> 	<p>9 Markers @ 1 x 2-1/4" each Text Size: 1/2"</p> 
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Typical Installation



MARKER STYLE	MARKER DIMENSIONS	SIZE OF LETTERS
1XSME	1-1/8 x 8" / 29 x 203mm	1/2" / 13mm
1E	2-1/4 x 9" / 57 x 229mm	1-1/4" / 32mm
9E	1 x 2-1/4" / 25 x 57mm	1/2" / 13mm

Compliance:

- ANSI / ASME A13.1-2020 "Scheme for the Identification of Piping Systems"
- ANSI Z535.1 "Safety Color Code"

• **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC.

Material:

Outdoor Grade 3.2 mil thick high gloss adhesive backed calendered vinyl film, printed using UV and chemical resistant inks, to ensure durability in most commercial / industrial environments.

Use:

Identify piping systems. Self-Adhesive Pipe Markers used in conjunction with Self-Adhesive Matching Arrow or Arrow Banding Tapes to identify both, pipe content and directional flow for full compliance with ANSI / ASME A13.1-2020.

Adhesive:

Aggressive Solvent Based Adhesive formulated to adhere to a variety of insulated and non insulated pipe surfaces.

Surface Preparation:

Surface must be dry and reasonably clean prior to applying adhesive backed label product.
Minimum Surface Temperature 50° F.

Outdoor Durability: 4 to 5 years Mid Continental US

Abrasion Resistance: Good

Water Resistance: Good

Solvent Resistance: Good

Service Temp: -20°F (-29°C) to 200°F (93°C)

Storage Stability: 2 years at 70°F with 50 RH

DATE: / /

JOB: _____

CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Self-Adhesive Voltage Markers

<p>1 Marker @ 1-1/8 x 8" Text Size: 1/2"</p> 	<p>1 Marker @ 2-1/4 x 9" Text Size: 1-1/4"</p> 	<p>9 Markers @ 1 x 2-1/4" each Text Size: 1/2"</p> 
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Typical Installation



MARKER STYLE	MARKER DIMENSIONS	SIZE OF LETTERS
1XSME	1-1/8 x 8" / 29 x 203mm	1/2" / 13mm
1E	2-1/4 x 9" / 57 x 229mm	1-1/4" / 32mm
9E	1 x 2-1/4" / 25 x 57mm	1/2" / 13mm

Compliance:

- ANSI / ASME A13.1-2023 "Scheme for the Identification of Piping Systems"
- ANSI Z535.1 "Safety Color Code"

• **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC.

Material:

Outdoor Grade 3.2 mil thick high gloss adhesive backed calendered vinyl film, printed using UV and chemical resistant inks, to ensure durability in most commercial / industrial environments.

Use:

Identify piping systems. Self-Adhesive Pipe Markers used in conjunction with Self-Adhesive Matching Arrow or Arrow Banding Tapes to identify both, pipe content and directional flow for full compliance with ANSI / ASME A13.1-2023.

Adhesive:

Aggressive Solvent Based Adhesive formulated to adhere to a variety of insulated and non insulated pipe surfaces.

Surface Preparation:

Surface must be dry and reasonably clean prior to applying adhesive backed label product.
Minimum Surface Temperature 50° F.

Outdoor Durability: 4 to 5 years Mid Continental US

Abrasion Resistance: Good

Water Resistance: Good

Solvent Resistance: Good

Service Temp: -20°F (-29°C) to 200°F (93°C)

Storage Stability: 2 years at 70°F with 50 RH

DATE: / /

JOB: _____

CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Snap-Around and Strap-On Pipe Markers

Compliance:

- ANSI / ASME A13.1-2023 "Scheme for the Identification of Piping Systems"
- ANSI Z535.1 "Safety Color Code"
- NFPA 99 Health Care Facilities Code
- **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). When supplied with adhesive strip, the adhesive backing on this product contains **< 5.8 grams / Liter VOC.**
- **UL 94 - Test for Flammability of Plastic Materials.**
Classification achieved: 94V-0
- As Per Test Method ASTM E-85, the material's Flame Spread is rated at 25 or less



1 Wrap Around Markers
(Styles A thru E)



2 Strap On Markers
(Styles F thru H)

Material:

Semi Rigid Colored PVC Vinyl extruded with UV inhibition for outdoor durability. The image is applied with UV resistant inks. Sizes AA thru E are thermoformed to achieve a pre-tension wrap around pressure for specific pipe sizes. Sizes F thru H are provided with slotted holes and are strapped onto pipes using nylon ties.

Material Thickness:

.015" thick used with Styles AA, A, B, F, G, and H
.025" thick used with Styles C, D, and E

Snap-Around and Strap-On Pipe Markers Pipe Markers are constructed of PVC which is inherently self-extinguishing

Use:

Identify piping systems. Snap-Around and Strap-On Pipe Markers offer significant advantages to conventional pipe labels. Speed of installation, pre-tension wrap around markers, no pipe preparation and 360° visibility of marker locations. Arrows & legends are printed repeatedly in opposite directions allowing the marker to be applied in any direction achieving proper reading while indicating pipe content flow.

SIZE CHART

MARKER STYLE	OUTSIDE PIPE DIAMETER	MARKER WIDTH	CHARACTER SIZE
AA	3/8" - 1/2" (10 - 13 mm)	3" (76.2 mm)	1/4" (6.4 mm)
A	3/4" - 1" (19 - 25 mm)	8" (203 mm)	1/2" (13 mm)
B	1-1/8" - 2-3/8" (29 - 60mm)	8" (203mm)	3/4" (19mm)
C*	2-1/2" - 3-1/4" (64 - 83mm)	12" (305mm)	1-1/4" (32mm)
D*	3-3/8" - 4-1/2" (86 - 114mm)	12" (305mm)	1-1/4" (32mm)
E*	4-5/8" - 6" (117 - 152mm)	12" (305mm)	1-1/4" (32mm)
F**	6-1/8" - 7-7/8" (155 - 200mm)	12" (305mm)	1-1/4" (32mm)
G**	8" - 10" (203 - 254mm)	24" (610mm)	2-1/2" (64mm)
H**	Over 10" (Over 254mm)	32" (813mm)	3-1/2" (89mm)

* Supplied with adhesive strip , which is only recommended if service temperature exceeds 100°F.

** Strap on mounting method includes 2 nylon ties.

Surface Preparation: None

Outdoor Durability: 4 to 5 years Mid-Continental US

Abrasion Resistance: Good

Water Resistance: Excellent

Chemical Resistance: Excellent resistance to most petroleum solvents and low aliphatic alcohols.

Service Temp: All Sizes*

-40°F to 160°F (-40° C to 71° C)

* Snap-Around and Strap-On Pipe Markers are not recommended for use in environments or on pipes constantly above 180°F (82°C).

Fasteners

- 36" (915mm) Nylon Ties
- 48" (1219mm) Nylon Ties
- 3/8" x .015" x 200'

Stainless Steel Strapping
(See Accesories Data Sheet)

STANDARD COLORS

Flammable, Combustible Oxidizing	Potable, Cooling, or Other Cold or Tepid Water
Compressed Air	Firefighting
Toxic or Corrosive	Steam; or Steam Condensate, Boiler Feedwater, or Other Hot Water
Defined By User	Defined By User
Defined By User	Defined By User

DATE: ___ / ___ / ___

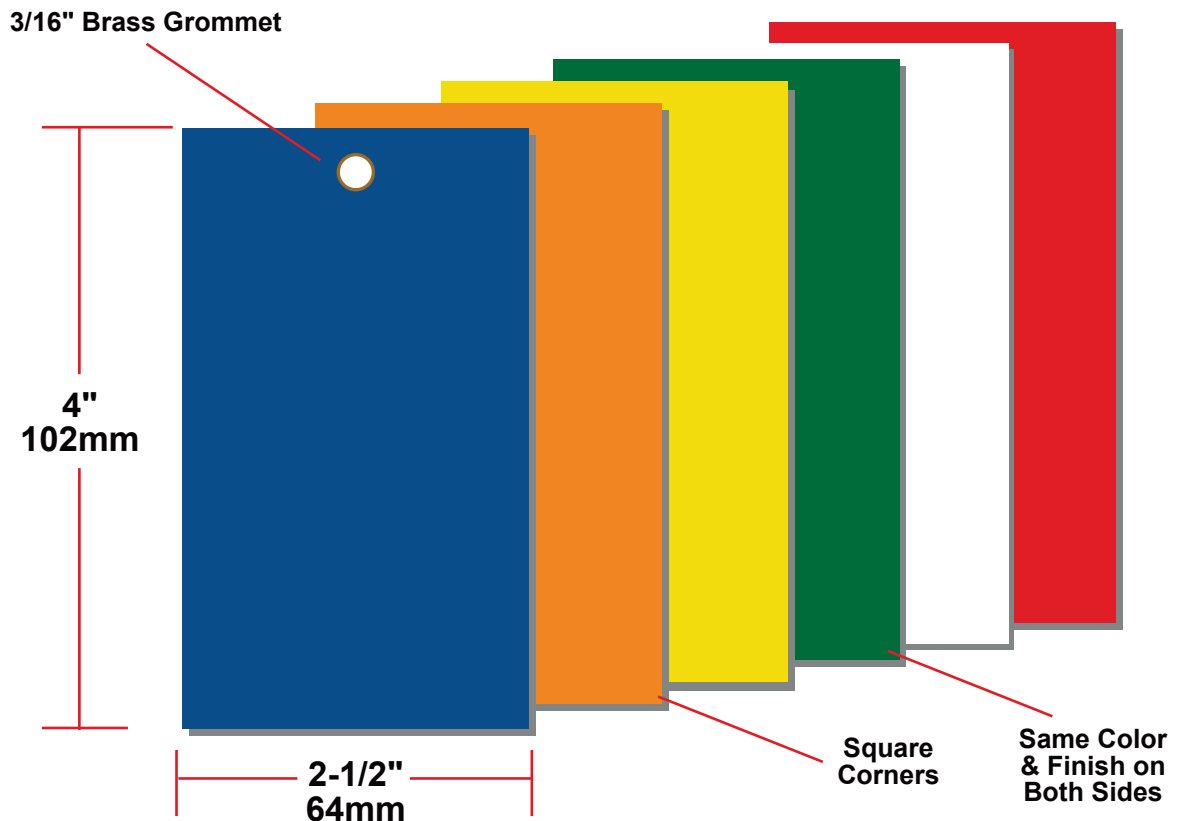
JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

BLANK WRITE ON VINYL TAGS



Material Thickness:

- 15 mil Matte Vinyl

Description:

- Durable 15 mil write on vinyl which is ideal for every day use throughout any facility.
- Write on Matte Finish
(Permanent marker recommended)

Outdoor Durability:

2 - 3 years.

Fasteners (Sold separately):

- 3/8" (10mm) ID Brass Grommet
- 10" (254mm) long lead seals
(supplied separately)

Service Temperature:

0°F - 150°F (-18°C -65°C)

Standard Colors:

Blue	Red
Green	Orange
Yellow	White

DATE: / /

JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Engraved Nameplates Briply™ (Regular Plastic)

Material:

Briply™ (Regular Plastic) is a non-directional matte finish flexible blended acrylic extruded sheet, with cap and core permanently fused together. Material is also break resistant, stain resistant, chip proof and shatter proof.

Product Description:

• Brimar's standard engraved plastic nameplates are engraved on one side and available in a variety of colors and sizes to better identify hazards.

Appearance:

• All sides are beveled for a neat finished look.
• Corners are typically provided square.

Application:

• Nameplates are provided with mounting holes (3/16" -5mm- default hole size), adhesive backing or both.

Compliance: ANSI/ASME A13.1 Scheme for the Identification of Piping Systems

LEED Compliance: Nameplates with adhesive backing are in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC).
• When supplied with adhesive the adhesive backing on this product contains < 5.8 grams / Liter VOC.

Physical Characteristics:

• Standard: 2 Ply 1/16" (1.6mm) thick for engraving on one side.
• Special: 3 Ply 1/16" or 1/8" (1.6mm or 3mm) thick for engraving on one or both sides

Standard Sizes & Shapes*:

<input type="checkbox"/> 2.5 x .75" 64 x 19mm	<input type="checkbox"/> 6 x 4" 152 x 102mm
<input type="checkbox"/> 2.5 x 1" 64 x 25mm	<input type="checkbox"/> 8 x 4" 203 x 102mm
<input type="checkbox"/> 3 x 1" 76 x 25mm	<input type="checkbox"/> 10 x 4" 254 x 102mm
<input type="checkbox"/> 3 x 2" 76 x 51mm	<input type="checkbox"/> 12 x 4" 305 x 102mm
<input type="checkbox"/> 4 x 1.5" 102 x 38mm	<input type="checkbox"/> 12 x 6" 305 x 152mm
<input type="checkbox"/> 4 x 2" 102 x 51mm	<input type="checkbox"/> 12 x 8" 305 x 203mm
<input type="checkbox"/> 4 x 2.5" 102 x 64mm	<input type="checkbox"/> 12 x 12" 305 x 305mm
<input type="checkbox"/> 6 x 2" 152 x 51mm	<input type="checkbox"/> 18 x 12" 457 x 305mm
<input type="checkbox"/> 6 x 3" 152 x 76mm	<input type="checkbox"/> 18 x 18" 457 x 457mm

Illustration 1:
Nameplate for viewing distances of 24" (600 mm) or less

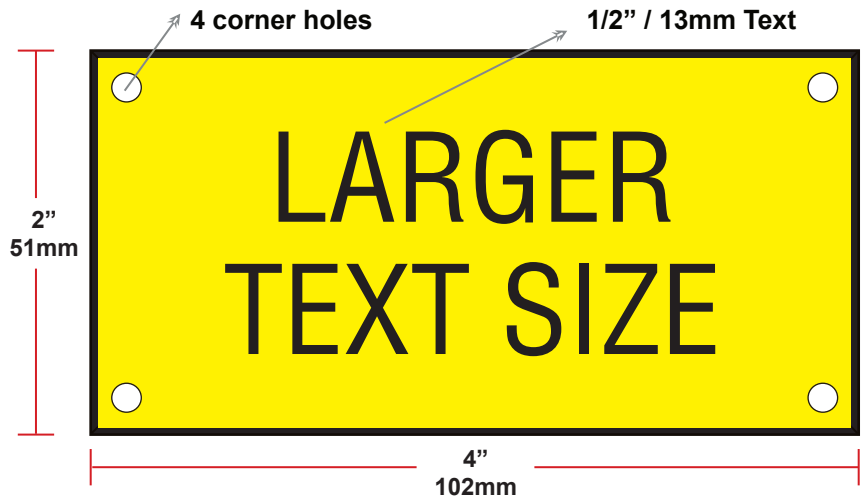
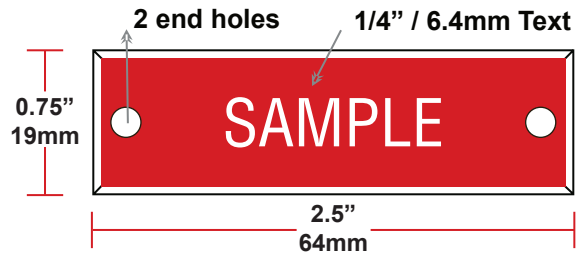


Illustration 2: Nameplate for viewing distances of 72" (1830 mm)

Max. Temperature:

- -40° F to 200° F
- -40° C to 93° C

Durability:

- Indoor - Indefinite
- Outdoor - Limited

(6-12 months susceptible fading)
Other special products available for exterior durability.

Dimensional Information:

Maximum plate size is 24 x 16" (610 x 406mm)
Custom sizes also available

COLORS AVAILABLE

Background	Lettering
Black	White
White	Black
Red	White
Yellow	Black
Blue	White
Green	White
Green	Yellow

Letter Sizes: 1/4" (6.4mm), 3/8" (10mm), 1/2" (13mm), 3/4" (19mm), 1" (25.4mm), 1.25" (32mm), 1.5" (38mm) or Copy to Fit.
Letter sizes are determined by size of tag, number of lines, and number of characters per line.

DATE: ___ / ___ / ___

JOB: _____

CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Engraved Nameplates Briply™ (Regular Plastic)

Abrasion Resistance:
CS-17 Wheels, 1000 g. wts.

Method 5306 of US Federal Test Method Std. No. 191A:
Legend withstands up to 1200 cycles

Chemical Resistance:	Reagent	7 Day Immersion	Dip Test	Rub Test
	30% Sulfuric Acid	NE	NE	NE
	10% Sulfuric Acid	NE	NE	NE
	30% HCL	NE	NE	NE
	10% HCL	NE	NE	NE
	50% NaOH	NE	NE	NE
	10% NaOH	NE	NE	NE
	Turpentine	NE	NE	NE
	Conc. Acetic Acid	NE	NE	NE
	5% Acetic Acid	NE	NE	NE
	Conc. Ammonia	NE	NE	NE
	10% Ammonia	NE	NE	NE
	Methyl Ethyl Ketone	F	F	NE
	Acetone	F	F	NE
	Methanol	F	F	NE
	1,1,1, Trichloroethane	F	F	NE
	ASTM #3 Oil	NE	NE	NE
	SAE 20 Oil	NE	NE	NE
	Mineral Spirits	NE	NE	NE
	Diesel Fuel	NE	NE	NE
	Kerosene	F	NE	NE
	Water	NE	NE	NE

NE: No Effect F: Failed

7 Day Immersion: Immersed in reagent for 7 days.

Dip Test: Five 10 minute dips in reagent with 30 minute recovery.

Rub Test: Rubbed sample for one minute with swab soaked in reagent.

Shelf Life: Indefinite when stored at 70°F (21°C) and 40% to 50% R.H.

DATE: ____ / ____ / ____

JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Laser Etched Nameplates Briply Ultra™

Material:

Briply Ultra™ (Laser Etched Plastic) is a matte or satin finish modified acrylic UV stable sheet, with cap and core permanently fused together. Material is also break resistant, stain resistant, chip proof and shatter proof.

Product Description:

• Brimar's standard laser etched plastic nameplates are laser etched on one side and available in a variety of colors and sizes to better identify hazards.

Appearance:

• All sides are beveled for a neat finished look.
• Corners are typically provided square.
• Straight edge cut is also available

Application:

• Nameplates are provided with mounting holes (3/16" -5mm- default hole size), adhesive backing or both.

LEED Compliance: Nameplates with adhesive backing are in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC).
• When supplied with adhesive the adhesive backing on this product contains < 5.8 grams / Liter VOC.

Physical Characteristics:

• Standard: 2 Ply 1/16" (1.6mm) thick for engraving on one side.

Standard Sizes & Shapes*:

<input type="checkbox"/> 2.5 x .75" 64 x 19mm	<input type="checkbox"/> 6 x 4" 152 x 102mm
<input type="checkbox"/> 2.5 x 1" 64 x 25mm	<input type="checkbox"/> 8 x 4" 203 x 102mm
<input type="checkbox"/> 3 x 1" 76 x 25mm	<input type="checkbox"/> 10 x 4" 254 x 102mm
<input type="checkbox"/> 3 x 2" 76 x 51mm	<input type="checkbox"/> 12 x 4" 305 x 102mm
<input type="checkbox"/> 4 x 1.5" 102 x 38mm	<input type="checkbox"/> 12 x 6" 305 x 152mm
<input type="checkbox"/> 4 x 2" 102 x 51mm	<input type="checkbox"/> 12 x 8" 305 x 203mm
<input type="checkbox"/> 4 x 2.5" 102 x 64mm	<input type="checkbox"/> 12 x 12" 305 x 305mm
<input type="checkbox"/> 6 x 2" 152 x 51mm	<input type="checkbox"/> 18 x 12" 457 x 305mm
<input type="checkbox"/> 6 x 3" 152 x 76mm	<input type="checkbox"/> 18 x 18" 457 x 457mm

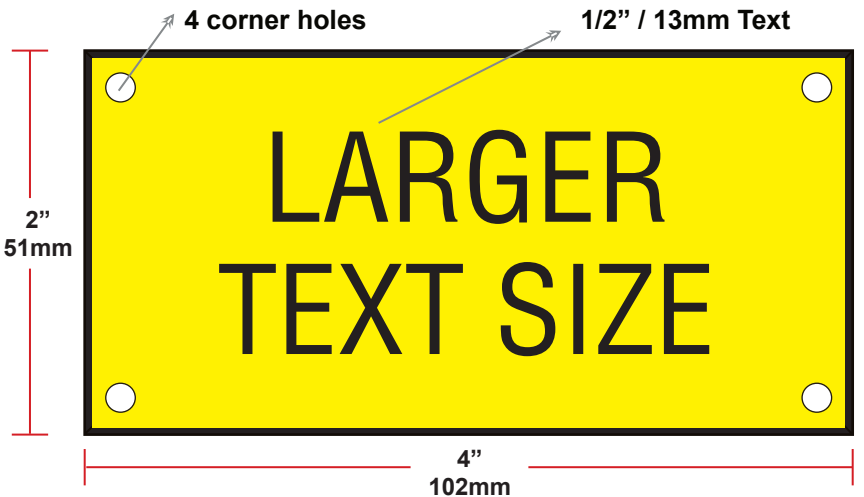
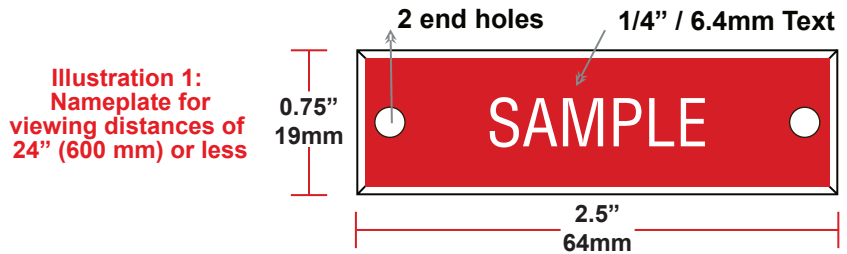
Max. Temperature:

• -40° F to 200° F
• -40° C to 93° C

Durability:

• Indoor - Indefinite
• Outdoor - 2 to 4 years

(6-12 months susceptible fading)
Other special products available for exterior durability.



COLORS AVAILABLE	
Background	Lettering
Black	White
White	Black
Red	White
Yellow	Black
Blue	White
Green	White

Letter Sizes: 1/4" (6.4mm), 3/8" (10mm), 1/2" (13mm), 3/4" (19mm), 1" (25.4mm), 1.25" (32mm), 1.5" (38mm) or Copy to Fit. Letter sizes are determined by size of tag, number of lines, and number of characters per line.

DATE: ___ / ___ / ___

JOB: _____

CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Laser Etched Nameplates Briply Ultra™

Abrasion Resistance:
CS-17 Wheels, 1000 g. wts.

Method 5306 of US Federal Test Method Std. No. 191A:
Legend withstands up to 1200 cycles

Chemical Resistance:	Reagent	7 Day Immersion	Dip Test	Rub Test
	30% Sulfuric Acid	NE	NE	NE
	10% Sulfuric Acid	NE	NE	NE
	30% HCL	NE	NE	NE
	10% HCL	NE	NE	NE
	50% NaOH	NE	NE	NE
	10% NaOH	NE	NE	NE
	Turpentine	NE	NE	NE
	Conc. Acetic Acid	NE	NE	NE
	5% Acetic Acid	NE	NE	NE
	Conc. Ammonia	NE	NE	NE
	10% Ammonia	NE	NE	NE
	Methyl Ethyl Ketone	F	F	NE
	Acetone	F	F	NE
	Methanol	F	F	NE
	1,1,1, Trichloroethane	F	F	NE
	ASTM #3 Oil	NE	NE	NE
	SAE 20 Oil	NE	NE	NE
	Mineral Spirits	NE	NE	NE
	Diesel Fuel	NE	NE	NE
	Kerosene	F	NE	NE
	Water	NE	NE	NE

NE: No Effect F: Failed

7 Day Immersion: Immersed in reagent for 7 days.

Dip Test: Five 10 minute dips in reagent with 30 minute recovery.

Rub Test: Rubbed sample for one minute with swab soaked in reagent.

Shelf Life: Indefinite when stored at 70°F (21°C) and 40% to 50% R.H.

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Engraved Phenolic Nameplates

Electrically Non-Conductive / Non Flammable / Fire Retardant

Material: Glossy or Velvet / Low Glare finish. Rigid thermoset material with cap and core permanently fused together. Conforms to Military Spec LP-387A Type N.D.P. LP-509. Phenolic is electrically non-conductive and abrasion resistant.

Product Description:

- Brimar's standard engraved phenolic nameplates are engraved on one side and available in a variety of colors and sizes to better identify hazards.

Appearance:

- All sides are beveled for a neat finished look.
- Corners are typically provided square.

Application:

- Nameplates are provided with mounting holes (3/16" -5mm- default hole size), adhesive backing or both.

Compliance: ANSI/ASME A13.1 Scheme for the Identification of Piping Systems

LEED Compliance: Nameplates with adhesive backing are in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC).

- When supplied with adhesive the adhesive backing on this product contains < 5.8 grams / Liter VOC.

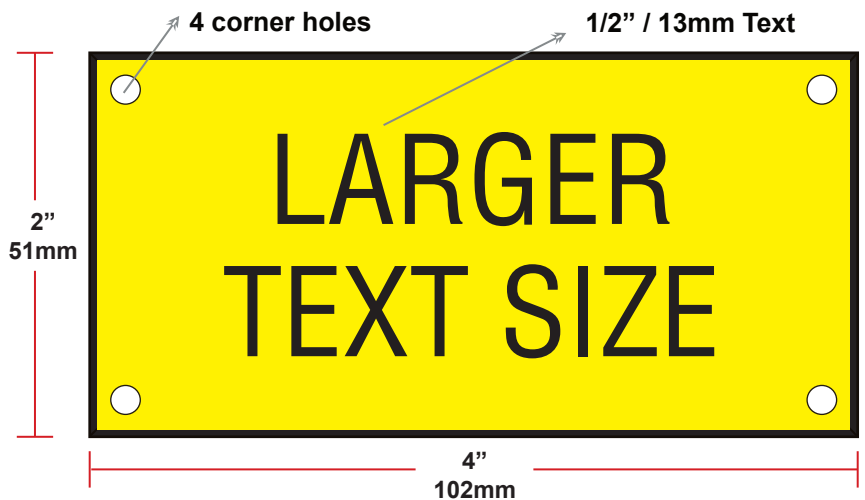
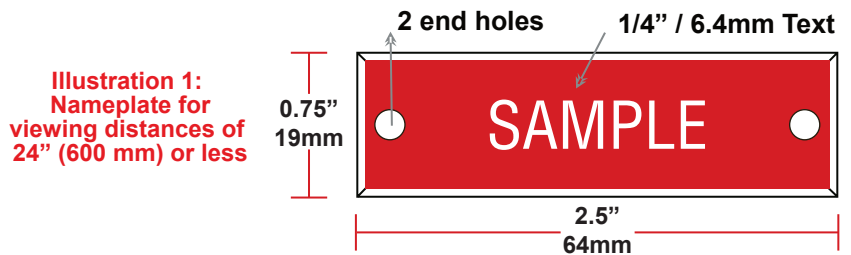
Physical Characteristics:

- Standard: 3 Ply 1/16" (1.6mm) thick for engraving on one or both sides.
- Special: **3 Ply 1/8" (3mm) thick for engraving on one or both sides.

** (Not available in all colors, call for availability)

Standard Sizes & Shapes*:

<input type="checkbox"/> 2.5 x .75" 64 x 19mm	<input type="checkbox"/> 6 x 2" 152 x 51mm
<input type="checkbox"/> 2.5 x 1" 64 x 25mm	<input type="checkbox"/> 6 x 3" 152 x 76mm
<input type="checkbox"/> 3 x 1" 76 x 25mm	<input type="checkbox"/> 6 x 4" 152 x 102mm
<input type="checkbox"/> 3 x 2" 76 x 51mm	<input type="checkbox"/> 8 x 4" 203 x 102mm
<input type="checkbox"/> 4 x 1.5" 102 x 38mm	<input type="checkbox"/> 10 x 4" 254 x 102mm
<input type="checkbox"/> 4 x 2" 102 x 51mm	<input type="checkbox"/> 12 x 4" 305 x 102mm
<input type="checkbox"/> 4 x 2.5" 102 x 64mm	



Max. Temperature:

- -30° F to 200° F
- -34° C to 93° C

Durability:

- Indoor - Indefinite
- Outdoor - Limited (6-12 months susceptible fading)

Other special products available for exterior durability.

Dimensional Information:

Maximum plate size is 24 x 16" (610 x 406mm)
Custom sizes also available

COLORS AVAILABLE

Background	Lettering
Black	White
White	Black
Red	White
Yellow	Black
Blue	White
Green	White

Letter Sizes: 1/4" (6.4mm), 3/8" (10mm), 1/2" (13mm), 3/4" (19mm), 1" (25.4mm), 1.25" (32mm), 1.5" (38mm) or Copy to Fit.
Letter sizes are determined by size of tag, number of lines, and number of characters per line.

DATE: ___ / ___ / ___

JOB: _____

CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Engraved Phenolic Nameplates

PHENOLIC SHEET COMPLIANCE

Technical Data Bulletin

GRADE: ES4 | .0625" Gauge

NEMA: ES4

ASTM: D709

DESCRIPTION : Composed of melamine/colored paper cores with white or black or colored cover sheets.

Physical Properties			Units	Values
Rockwell Hardness (ASTM D785)	0.250" Build-Up		M Scale	100
Moisture Absorption (ASTM D570)	Condition A		%	2.50
Flexural Strength (ASTM D790)	Condition A	LW/CW	psi (MPa)	13,500 / 13,500 (93.1) / (93.1)
Flexural Modulus (ASTM D790)	Condition A	LW/CW	kpsi (GPa)	1,500 / 1,500 (10.3) / (10.3)
Tensile Strength (ASTM D638)	Condition A	LW/CW	psi (MPa)	10,500 / 9,200 (72.4) / (63.4)
Izod Impact Strength (ASTM D256)	Condition A	LW/CW	ft-lb/in (Jcm)	0.60 / 0.55 (0.32) / (0.29)
Compressive Strength (ASTM D695)	Condition A	Flatwise	psi (MPa)	1,000 (6.9)
Thermal Properties				
Temperature Index ¹ (UL Bulletin 746b)	Electrical / Mechanical		°C	120
Flammability Vertical (UL Bulletin 94)	Condition A		Class	V-0
Electrical Properties				
Breakdown Voltage (ASTM D149)	Condition A		kVolts	50
Arc Resistance (ASTM D495)	Condition A		Sec	120

¹ This temperature is a recommendation only, and is based upon experience in various applications. The maximum operating temperature is dependent upon the application and should be investigated prior to use.

This data, while believed to be accurate and based on reliable analytical methods, is for informational purposes only.

Data supplied above are 'typical values'; not to be considered 'specification values'.

DATE: ____ / ____ / ____ **JOB:** _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Laser Etched Aluminum Nameplates

.032 (0.8mm) Colored Anodized Aluminum

Material:

Anodized Aluminum is a matte finished coating in clear or color on the surface. The coating (color) becomes part of the aluminum surface, and resists further oxidation.

Product Description:

• Brimar's standard aluminum nameplates are laser etched on one side (double sided available) and also available in a variety of colors and sizes to better identify hazards.

Appearance:

• Corners are typically provided square with flat/straight cut edges.

Application:

• Nameplates are provided with mounting holes (0.218" default hole size), adhesive backing or both.

LEED Compliance: Nameplates with adhesive backing are in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC).
 • When supplied with adhesive the adhesive backing on this product contains < 5.8 grams / Liter VOC.

Physical Characteristics:

• Standard: 1/32" (0.8mm) thick.

Standard Sizes & Shapes*:

<input type="checkbox"/> 2.5 x .75" 64 x 19mm	<input type="checkbox"/> 6 x 4" 152 x 102mm
<input type="checkbox"/> 2.5 x 1" 64 x 25mm	<input type="checkbox"/> 8 x 4" 203 x 102mm
<input type="checkbox"/> 3 x 1" 76 x 25mm	<input type="checkbox"/> 10 x 4" 254 x 102mm
<input type="checkbox"/> 3 x 2" 76 x 51mm	<input type="checkbox"/> 12 x 4" 305 x 102mm
<input type="checkbox"/> 4 x 1.5" 102 x 38mm	
<input type="checkbox"/> 4 x 2" 102 x 51mm	
<input type="checkbox"/> 4 x 2.5" 102 x 64mm	
<input type="checkbox"/> 6 x 2" 152 x 51mm	
<input type="checkbox"/> 6 x 3" 152 x 76mm	

Durability:

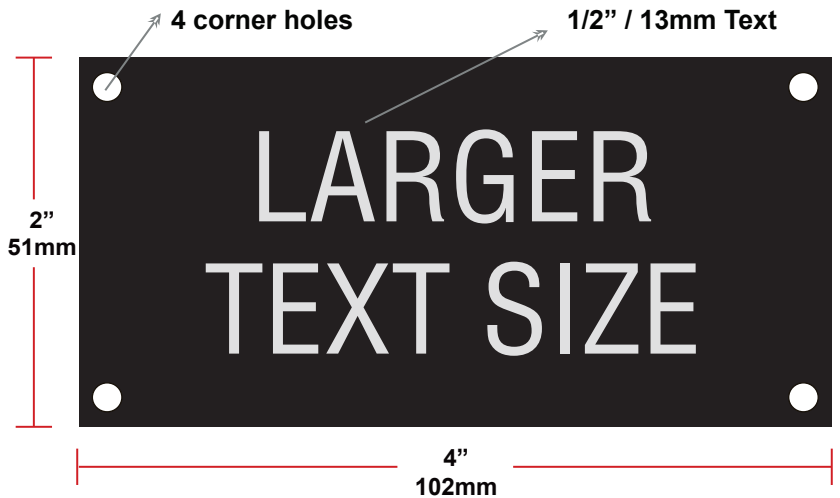
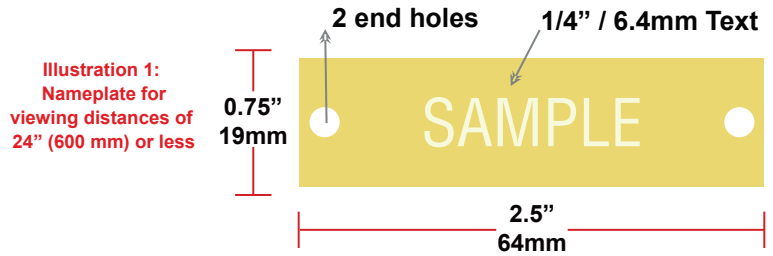
- Indoor - Indefinite
- Outdoor - 2 to 3 years

Dimensional Information:

Maximum plate size is 24 x 16" (610 x 406mm)
 * Other sizes available too.

Letter Sizes: 1/4" (6.4mm), 3/8" (10mm), 1/2" (13mm), 3/4" (19mm), and 1" (25.4mm), 1.5" (38mm) or Copy to Fit.

Letter sizes are determined by size of tag, number of lines, and number of characters per line.



COLORS AVAILABLE

Background Lettering

Black	Natural
Natural	Natural
Red	Natural
Gold	Natural
Blue	Natural
Green	Natural

DATE: / /

JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Laser Etched Metal Nameplates

.032" (0.8mm) Brass or Stainless Steel

Illustration of nameplate for viewing distances of 24" (600 mm) or less

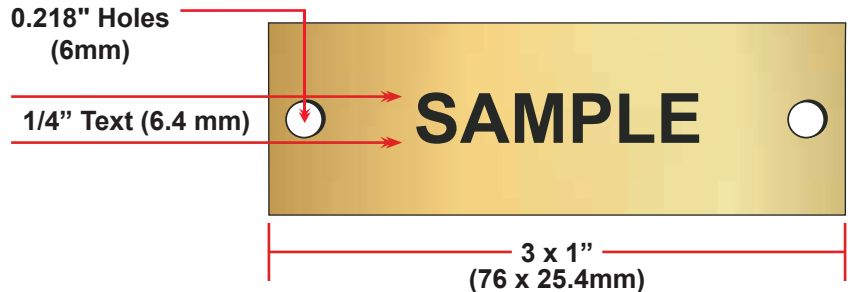
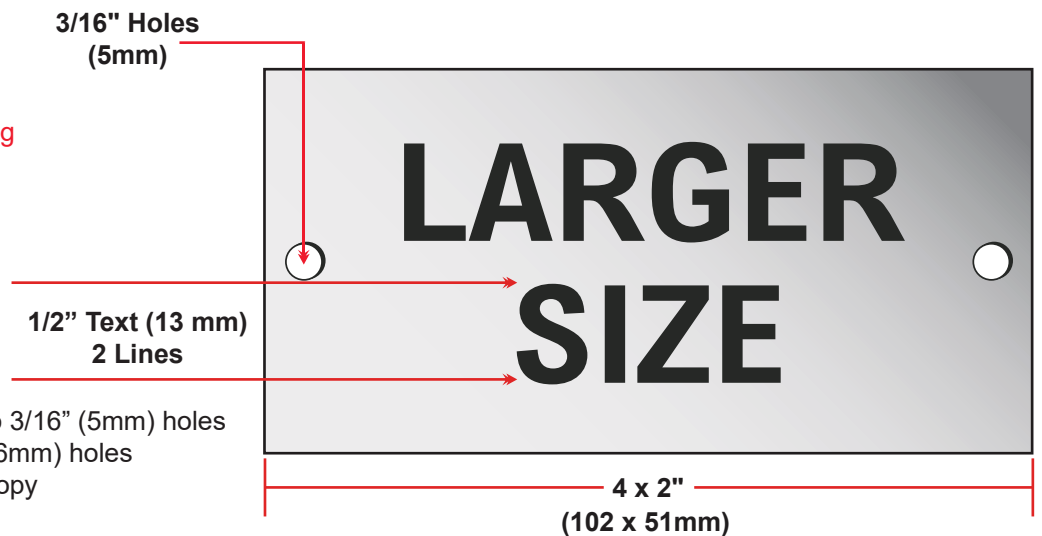


Illustration of nameplate for viewing distances of 72" (1830 mm)



Material:

- .032" (0.8mm)
- Brass or Stainless Steel
- 19 gauge (approx.)
- Type 304 Stainless Steel
- Stainless Steel supplied with two 3/16" (5mm) holes
- Brass supplied with two 0.218" (6mm) holes
- Laser etched permanent black copy

Product Description:

Laser etched nameplates are ideal for corrosive environments that require variable or complex information that needs to have contrasting black copy. Also ideal for areas that are washed down frequently or on apparatus that have high surface temperature.

Engraving Depth:

- Surface Etched

Durability:

- 10 years outdoors when exposed to normal weather conditions.
- Excellent durability in many corrosive environments.
- Extremely harsh areas should be tested for compatibility.

Lettering Size & No. of Text Lines:

- Copy size is determined based on number of characters to be etched and nameplate size selected.
- Standard copy sizes: 3/16" (5mm), 1/4" (6mm), 3/8" (10mm), 1/2" (13mm), 1" (25.4mm), 1.5" (38mm) or Copy To Fit.
- Numbers of lines: Multiple (vary based on plate size selected)

Size & Shapes:

- 3 x 1" (76 x 25.4mm)
- 4 x 1-1/2" (102 x 38mm)
- 4 x 2" (102 x 51mm)
- 6 x 4" (152.4 x 102mm)



DATE: ___ / ___ / ___

JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Stamped Brass Valve Tags

.032 (0.8mm) Brass

Valve Tags Size:

- Diameter: 1-1/2" (38mm) or 2" (51mm)
- Black Filled

Material Thickness:

- .032" (0.8mm) Brass

Material Gauge:

- Brass: 20 gauge (approx.)

Size & Shapes:

- 1-1/2" (38mm) Round
- 1-1/2" (38mm) Square
- 2" (51mm) Round
- 2" (51mm) Square
- 2" (51mm) Octagon
- 2" (51mm) Triangle



* Also Available 1/2" (13mm) Letters

** Also Available 1/4" (6.4mm) Numbers

2" Tags Are Also Available With

3 Lines Of Alphanumerical Characters At 1/4" (6.4mm)

Maximum Character Chart Per Valve Tag All Shapes / Sizes

VALVE TAG SIZE	CHARACTER SIZE	MAXIMUM QUANTITY OF NUMBERS	MAXIMUM QUANTITY OF LETTERS
1-1/2" / 38mm	1/4" / 6.4mm	5	5
1-1/2" / 38mm	1/2" / 13mm	3	2
2" / 51mm	1/4" / 6.4mm	6	6
2" / 51mm	1/2" / 13mm	4	3

3/16" Hole (5mm)

1/4" Top Line (6.4 mm)

1/2" Bottom Line (13mm)



1-1/2"
(38mm)

3/16" Hole (5mm)

*1/4" Top Line (6.4mm)

**1/2" Bottom Line (13mm)



2"
(51mm)

Specification Compliance:

Meets ANSI / ASME A13.1-2020 Standard

Valve Tag Fasteners:

- Meter Seals (Lead Seals)
- #16 Jack Chain (Brass or Stainless Steel)
- #6 Beaded Chain (4-1/2" long Brass)
- #6 Beaded Chain (4-1/2" long Stainless Steel)
- 6" Nylon Ties
- "S" Hooks (Brass or Stainless Steel)
- Zinc Hooks

DATE: ___ / ___ / ___

JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Custom Stamped Brass Valve Tags

.032 (0.8mm) Brass

Valve Tags Size:

- Diameter: 1-1/2" (38mm) or 2" (51mm)
- Black Filled

Material Thickness:

- .032" (0.8mm) Brass

Material Gauge:

- Brass: 20 gauge (approx.)

Size & Shapes:

- 1-1/2" (38mm) Round
- 1-1/2" (38mm) Square
- 2" (51mm) Round
- 2" (51mm) Square
- 2" (51mm) Octagon
- 2" (51mm) Triangle



* Also Available 1/2" (13mm) Letters

** Also Available 1/4" (6.4mm) Numbers

2" Tags Are Also Available With

3 Lines Of Alphanumerical Characters At 1/4" (6.4mm)

Maximum Character Chart Per Valve Tag All Shapes / Sizes

VALVE TAG SIZE	CHARACTER SIZE	MAXIMUM QUANTITY OF NUMBERS	MAXIMUM QUANTITY OF LETTERS
1-1/2" / 38mm	1/4" / 6.4mm	5	5
1-1/2" / 38mm	1/2" / 13mm	3	2
2" / 51mm	1/4" / 6.4mm	6	6
2" / 51mm	1/2" / 13mm	4	3

3/16" Hole (5mm)

1/4" Top Line (6.4 mm)

1/2" Bottom Line (13mm)



1-1/2"
(38mm)

3/16" Hole (5mm)

*1/4" Top Line (6.4mm)

**1/2" Bottom Line (13mm)



2"
(51mm)

Specification Compliance:

Meets ANSI / ASME A13.1-2023 Standard

Valve Tag Fasteners:

- Meter Seals (Lead Seals)
- #16 Jack Chain (Brass or Stainless Steel)
- #6 Beaded Chain (4-1/2" long Brass)
- #6 Beaded Chain (4-1/2" long Stainless Steel)
- 6" Nylon Ties
- "S" Hooks (Brass or Stainless Steel)
- Zinc Hooks

DATE: ___ / ___ / ___

JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Blank Brass Valve Tags

.032 (0.8mm) Brass

Valve Tags Size:

- Diameter: 1-1/2" (38mm) or 2" (51mm)

Material Thickness:

- .032" (0.8mm) Brass

Material Gauge:

- Brass: 20 gauge (approx.)

Size & Shapes:

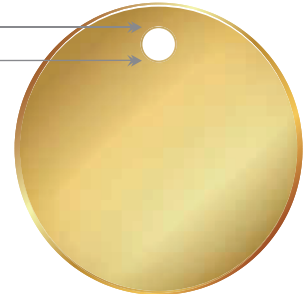
- 1-1/2" (38mm) Round
- 1-1/2" (38mm) Square
- 2" (51mm) Round
- 2" (51mm) Square



Valve Tag Fasteners:

- Meter Seals (Lead Seals)
- #16 Jack Chain (Brass or Stainless Steel)
- #6 Beaded Chain (4-1/2" long Brass)
- #6 Beaded Chain (4-1/2" long Stainless Steel)
- 6" Nylon Ties
- "S" Hooks (Brass or Stainless Steel)
- Zinc Hooks

3/16" Hole (5mm)



1-1/2"
(38mm)



2"
(51mm)

* Also Available 1/2" (13mm) Letters

** Also Available 1/4" (6.4mm) Numbers

2" Tags Are Also Available With

3 Lines Of Alphanumerical Characters At 1/4" (6.4mm)

Maximum Character Chart Per Valve Tag All Shapes / Sizes

VALVE TAG SIZE	CHARACTER SIZE	MAXIMUM QUANTITY OF NUMBERS	MAXIMUM QUANTITY OF LETTERS
1-1/2" / 38mm	1/4" / 6.4mm	5	5
1-1/2" / 38mm	1/2" / 13mm	3	2
2" / 51mm	1/4" / 6.4mm	6	6
2" / 51mm	1/2" / 13mm	4	3

Steel Stamps

Make your own valve tags by using our blank brass tags and steel stamps to make the impression. Simply place blank valve tag on a solid surface, place steel stamp on the blank tag and strike with hammer.

Part #	Description	Character Size	Number of Characters
SL4	Letter Set	1/4"	27
SN4	Number Set	1/4"	10
SL2	Letter Set	1/2"	27
SN2	Number Set	1/2"	10



DATE: ____ / ____ / ____

JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Stamped S.S. Valve Tags

Stainless Steel

Valve Tags Size:

- Diameter: 1-1/2" (38mm) or 2" (51mm)
- Black Filled

Material Thickness:

- .032" (0.8mm) Stainless Steel
- Stainless Steel: 22 gauge approx

Material Grade:

- Type 304 Stainless Steel

Size & Shapes:

- 1-1/2" (38mm) Round
- 1-1/2" (38mm) Square
- 2" (51mm) Round
- 2" (51mm) Square



- * Also Available 1/2" (13mm) Letters
- ** Also Available 1/4" (6.4mm) Numbers
- 2" Tags Are Also Available With
- 3 Lines Of Alphanumerical Characters At 1/4" (6.4mm)

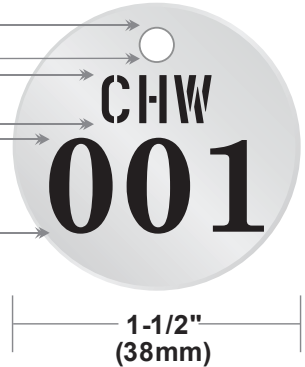
Maximum Character Chart Per Valve Tag All Shapes / Sizes

VALVE TAG SIZE	CHARACTER SIZE	MAXIMUM QUANTITY OF NUMBERS	MAXIMUM QUANTITY OF LETTERS
1-1/2" / 38mm	1/4" / 6.4mm	5	5
1-1/2" / 38mm	1/2" / 13mm	3	2
2" / 51mm	1/4" / 6.4mm	6	6
2" / 51mm	1/2" / 13mm	4	3

3/16" Hole (5mm)

1/4" Top Line (6.4 mm)

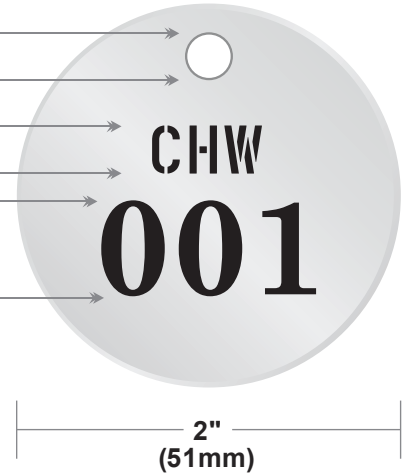
1/2" Bottom Line (13mm)



3/16" Hole (5mm)

*1/4" Top Line (6.4mm)

**1/2" Bottom Line (13mm)



Specification Compliance:

Meets ANSI / ASME A13.1-2023 Standard

Valve Tag Fasteners:

- Meter Seals (Lead Seals)
- #16 Jack Chain (Brass or Stainless Steel)
- #6 Beaded Chain (4-1/2" long Brass)
- #6 Beaded Chain (4-1/2" long Stainless Steel)
- 6" Nylon Ties
- "S" Hooks (Brass or Stainless Steel)
- Zinc Hooks

DATE: ___ / ___ / ___

JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Custom Stamped Brass Valve Tags

.032 (0.8mm) Brass

Valve Tags Size:

- Diameter: 1-1/2" (38mm) or 2" (51mm)
- Black Filled

Material Thickness:

- .032" (0.8mm) Brass

Material Gauge:

- Brass: 20 gauge (approx.)

Size & Shapes:

- 1-1/2" (38mm) Round
- 1-1/2" (38mm) Square
- 2" (51mm) Round
- 2" (51mm) Square
- 2" (51mm) Octagon
- 2" (51mm) Triangle



* Also Available 1/2" (13mm) Letters

** Also Available 1/4" (6.4mm) Numbers

2" Tags Are Also Available With

3 Lines Of Alphanumerical Characters At 1/4" (6.4mm)

Maximum Character Chart Per Valve Tag All Shapes / Sizes

VALVE TAG SIZE	CHARACTER SIZE	MAXIMUM QUANTITY OF NUMBERS	MAXIMUM QUANTITY OF LETTERS
1-1/2" / 38mm	1/4" / 6.4mm	5	5
1-1/2" / 38mm	1/2" / 13mm	3	2
2" / 51mm	1/4" / 6.4mm	6	6
2" / 51mm	1/2" / 13mm	4	3

3/16" Hole (5mm)

1/4" Top Line (6.4 mm)

1/2" Bottom Line (13mm)



1-1/2"
(38mm)

3/16" Hole (5mm)

*1/4" Top Line (6.4mm)

**1/2" Bottom Line (13mm)



2"
(51mm)

Specification Compliance:

Meets ANSI / ASME A13.1-2023 Standard

Valve Tag Fasteners:

- Meter Seals (Lead Seals)
- #16 Jack Chain (Brass or Stainless Steel)
- #6 Beaded Chain (4-1/2" long Brass)
- #6 Beaded Chain (4-1/2" long Stainless Steel)
- 6" Nylon Ties
- "S" Hooks (Brass or Stainless Steel)
- Zinc Hooks

DATE: ___ / ___ / ___

JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Custom Stamped Aluminum Valve Tags

.032 (0.8mm) Aluminum

Valve Tags Size:

- Diameter: 1-1/2" (38mm) or 2" (51mm)
- Black Filled

Material Thickness:

- .032" (0.8mm) Aluminum

Material Gauge:

- Aluminum: 20 gauge (approx.)

Size & Shapes:

- 1-1/2" (38mm) Round
- 1-1/2" (38mm) Square
- 2" (51mm) Round
- 2" (51mm) Square
- 2" (51mm) Octagon
- 2" (51mm) Triangle



* Also Available 1/2" (13mm) Letters

** Also Available 1/4" (6.4mm) Numbers

2" Tags Are Also Available With

3 Lines Of Alphanumerical Characters At 1/4" (6.4mm)

Maximum Character Chart Per Valve Tag All Shapes / Sizes

VALVE TAG SIZE	CHARACTER SIZE	MAXIMUM QUANTITY OF NUMBERS	MAXIMUM QUANTITY OF LETTERS
1-1/2" / 38mm	1/4" / 6.4mm	5	5
1-1/2" / 38mm	1/2" / 13mm	3	2
2" / 51mm	1/4" / 6.4mm	6	6
2" / 51mm	1/2" / 13mm	4	3

3/16" Hole (5mm)

1/4" Top Line (6.4 mm)

1/2" Bottom Line (13mm)



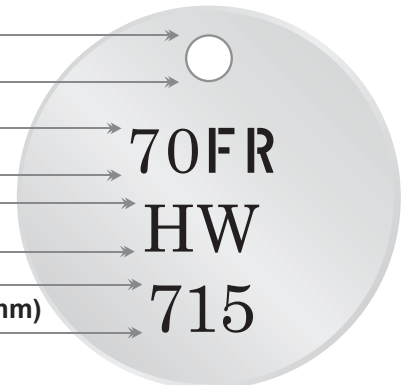
1-1/2"
(38mm)

3/16" Hole (5mm)

*1/4" Top Line (6.4mm)

*1/4" Mid Line (6.4mm)

*1/4" Bottom Line (6.4mm)



2"
(51mm)

Specification Compliance:

Meets ANSI / ASME A13.1-2020 Standard

Valve Tag Fasteners:

- Meter Seals (Lead Seals)
- #16 Jack Chain (Brass or Stainless Steel)
- #6 Beaded Chain (4-1/2" long Brass)
- #6 Beaded Chain (4-1/2" long Stainless Steel)
- 6" Nylon Ties
- "S" Hooks (Brass or Stainless Steel)
- Zinc Hooks

DATE: ___ / ___ / ___

JOB: _____

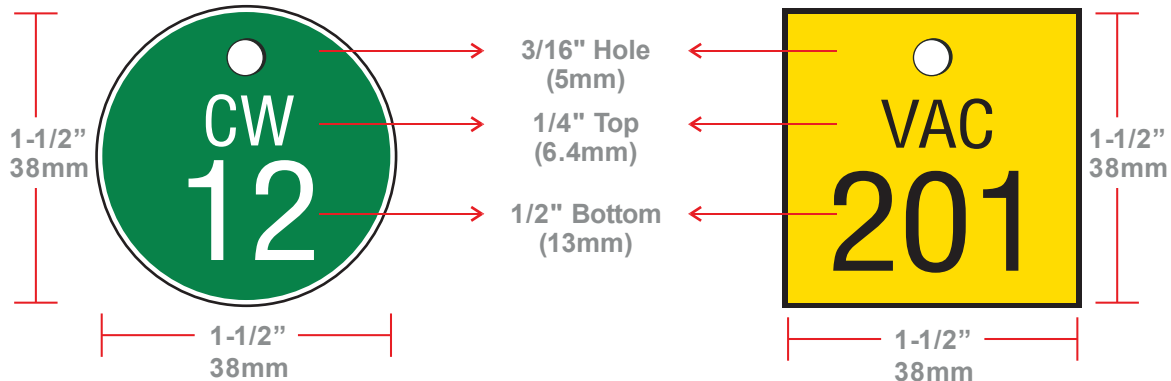
CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Engraved Plastic Valve Tags Testing

Briply™ (Regular Plastic)



Material:

Briply™ (Plastic) is a matte finish flexible blended acrylic extruded sheet, with cap an core permanently fused together. Material is also break resistant, stain resistant, chip proof and shatter proof.

Product Description:

• Brimar's standard engraved plastic tags are engraved on one side and available in a variety of colors and sizes to better identify valves.

Appearance:

- All sides are beveled for a neat finished look.
- Straight edge cut also available.

Application:

- Valve Tags are provided with mounting holes (3/16" default hole size).

Physical Characteristics:

- Standard: 2 Ply 1/16" (1.6mm) thick for engraving on one side.
- Special: 3 Ply 1/16" (1.6mm) or 1/8" (3.1mm) thick for engraving on both sides.

Size & Shapes*:

- 1-1/4" (32mm) Round
- 1-1/4" (32mm) Square
- 1-1/2" (38mm) Round
- 1-1/2" (38mm) Square
- 2" (51mm) Round
- 2" (51mm) Square
- 3" (76mm) Round
- 3" (76mm) Square
- 4" (102mm) Round
- 4" (102mm) Square

* Other sizes and shapes available too.

Material Durability:

- Indoor - Indefinite
- Outdoor - Limited (6-12 months susceptible fading) Other special products available for exterior durability.

Valve Tag Fasteners:

- Meter Seals (Lead Seals)
- #16 Jack Chain (Brass or S.S.)
- #6 Beaded Chain (Brass or S.S.)
- 6" Nylon Ties
- "S" Hooks (Brass or S.S.)
- Zinc Hooks

COLORS AVAILABLE

Background Lettering

Black	White
White	Black
Red	White
Yellow	Black
Blue	White
Green	White
Green	Yellow

Letter Sizes:

1/4" (6.4mm), 3/8" (10mm), 1/2" (13mm), 3/4" (19mm), and 1" (25.4mm). Letter sizes are determined by size of tag, number of lines, and number of characters per line.

DATE: / /

JOB: _____

CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Engraved Plastic Valve Tags Testing

Abrasion Resistance:
CS-17 Wheels, 1000 g. wts.

Method 5306 of US Federal Test Method Std. No. 191A:
Legend withstands up to 1200 cycles

Chemical Resistance:	Reagent	7 Day Immersion	Dip Test	Rub Test
	30% Sulfuric Acid	NE	NE	NE
	10% Sulfuric Acid	NE	NE	NE
	30% HCL	NE	NE	NE
	10% HCL	NE	NE	NE
	50% NaOH	NE	NE	NE
	10% NaOH	NE	NE	NE
	Turpentine	NE	NE	NE
	Conc. Acetic Acid	NE	NE	NE
	5% Acetic Acid	NE	NE	NE
	Conc. Ammonia	NE	NE	NE
	10% Ammonia	NE	NE	NE
	Methyl Ethyl Ketone	F	F	NE
	Acetone	F	F	NE
	Methanol	F	F	NE
	1,1,1, Trichloroethane	F	F	NE
	ASTM #3 Oil	NE	NE	NE
	SAE 20 Oil	NE	NE	NE
	Mineral Spirits	NE	NE	NE
	Diesel Fuel	NE	NE	NE
	Kerosene	F	NE	NE
	Water	NE	NE	NE

NE: No Effect F: Failed

7 Day Immersion: Immersed in reagent for 7 days.

Dip Test: Five 10 minute dips in reagent with 30 minute recovery.

Rub Test: Rubbed sample for one minute with swab soaked in reagent.

Shelf Life: Indefinite when stored at 70°F (21°C) and 40% to 50% R.H.

DATE: / /

JOB: _____

CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Engraved Plastic Valve Tags Compliance

Compliance: ANSI/ASME A13.1 Scheme for the Identification of Piping Systems

In compliance with EC regulation No. 1272/2008 and its amendments

May product an allergic reaction (EUH208). Contains Methyl Methacrylate

This mixture does not present a physical hazard.

This product mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

Reach SVHC

This product mixture does not contain substances classified as "Substances of Very High Concern" (SVHC) \geq 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH.

The product mixture fulfills neither the PBT nor the vPvB criteria for mixtures in accordance with annex XII of the REACH regulations EC 1907/2006.

DATE: ____ / ____ / ____

JOB: _____

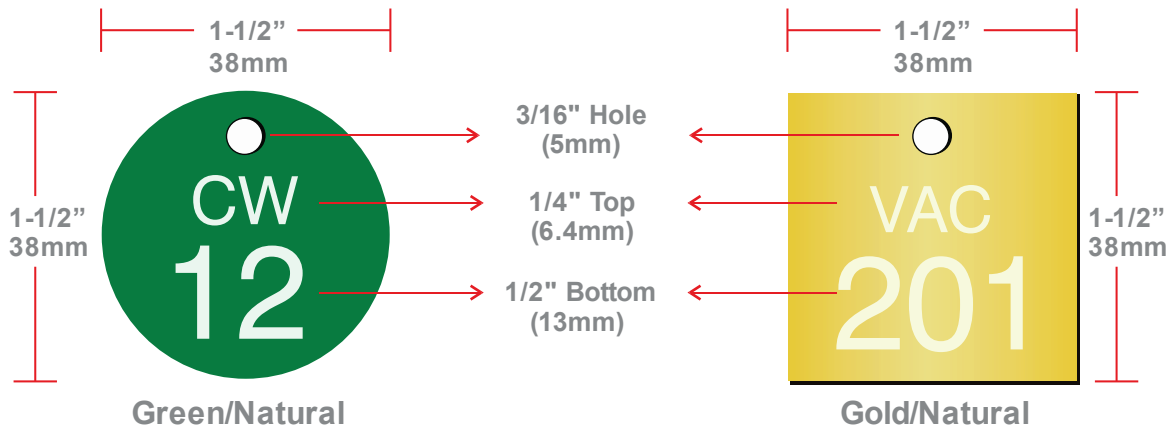
CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Laser Etched Aluminum Valve Tags

.032 (0.8mm) Colored Anodized Aluminum



Material:

Anodized Aluminum is a matte finished coating in clear or color on the surface. The coating (color) becomes part of the aluminum surface, and resists further oxidation.

Product Description:

• Brimar's standard aluminum valve tags are laser etched on one side (double sided available) and also available in a variety of colors and sizes to better identify hazards.

Application:

• Valve Tags are provided with mounting holes (3/16" (5mm) default hole size).

Physical Characteristics:

• Standard: 1/32" (0.8mm) thick.

Durability:

- Indoor - Indefinite
- Outdoor - 2 to 3 years

Size & Shapes:

- 1-1/2" (38mm) Round
- 1-1/2" (38mm) Square
- 2" (51mm) Round
- 2" (51mm) Square
- 3" (76.2mm) Round
- 3" (76.2mm) Square

Valve Tag Fasteners:

- Meter Seals (Lead Seals)
- #16 Jack Chain (Brass or S.S.)
- #6 Beaded Chain (4-1/2" long Brass)
- #6 Beaded Chain (4-1/2" long S.S.)
- 6" Nylon Ties
- "S" Hooks (Brass or Stainless Steel)
- Zinc Hooks

COLORS AVAILABLE

Background Lettering

Black	Natural
Natural	Natural
Red	Natural
Gold	Natural
Blue	Natural
Green	Natural

Lettering Sizes:

1/4", 3/8", 1/2", 3/4", and 1" Letter sizes are determined by size of tag, number of lines, and number of characters per line.

DATE: / /

JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Laser Etched Valve Tags

.032 (0.8mm) Brass or Stainless Steel

Valve Tags Size:

- Diameter: 1-1/2" & 2" (38mm & 51mm)

Material Thickness:

- .032" (0.8mm) Brass & Stainless Steel
- Brass: 20 gauge (approx.)
- Stainless Steel: 22 gauge (approx.)
- Type 304 Stainless Steel
- Supplied with a 3/16" (5mm) hole

Product Description:

Laser etched valve tags are ideal for corrosive environments that require variable or complex information that needs to have contrasting black copy.

Engraving Depth:

- Surface Etched (Laser etched permanent black copy)

Durability:

- 10 years outdoors when exposed to normal weather conditions.
- Excellent durability in many corrosive environments.
- Extremely harsh areas should be tested for compatibility.

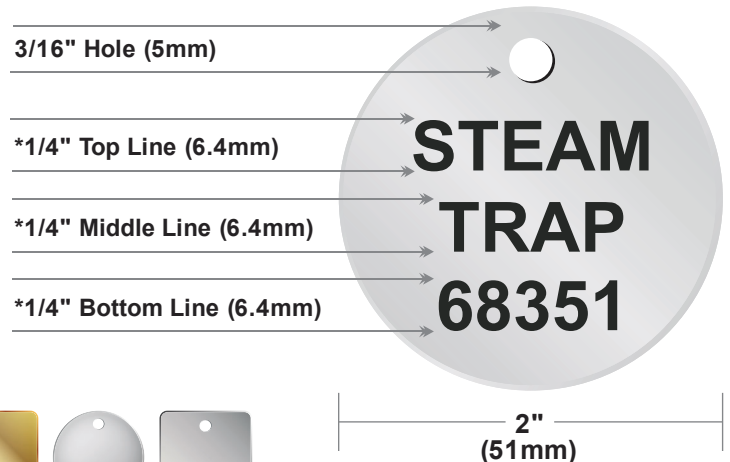
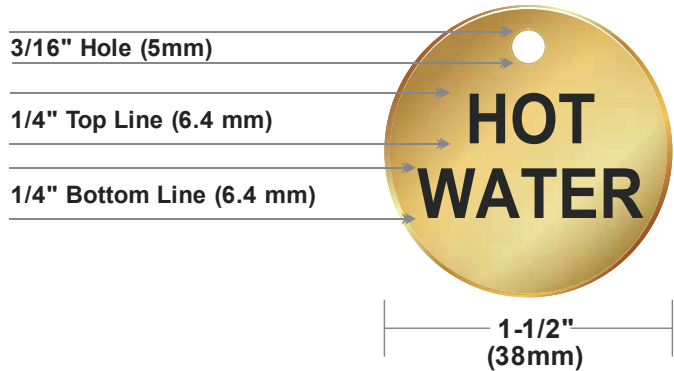
Size & Shapes:

- 1-1/2" (38mm) Round (Brass or S.S.)
- 1-1/2" (38mm) Square (Brass or S.S.)
- 2" (51mm) Round (Brass or S.S.)
- 2" (51mm) Square (Brass or S.S.)



Lettering Size & Number of Text Lines:

- Copy size is determined based on number of characters to be etched.
- Standard copy sizes: 3/16", 1/4", 3/8", 1/2", To Fit. (5mm, 6.4mm, 10mm, 13mm)
- Numbers of lines: 1 Line, 2 Lines or 3 Lines



Valve Tag Fasteners:

- Meter Seals (Lead Seals)
- #16 Jack Chain (Brass or Stainless Steel)
- #6 Beaded Chain (4-1/2" long Brass)
- #6 Beaded Chain (4-1/2" long Stainless Steel)
- 6" Nylon Ties
- "S" Hooks (Brass or Stainless Steel)
- Zinc Hooks

DATE: / /

JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Accessories

Beaded Chain

- #6 Beaded Chain
- 4-1/2" long with locking link
- 100 pieces per package.



Part #	Description
BCB	Brass
BCSS	Stainless Steel

Jack Chain

#16 jack chain is available in either stainless steel or solid brass. Approximately 6 to 12 inches is enough to fasten one tag. 50 feet of chain per package.



Part #	Description
BJC	Brass (50 ft)
SSJC	Stainless Steel (50 ft)

"S" Hooks

Use "S" hooks to attach valve tags. Sold 100 hooks per package. Available in Stainless Steel or Solid Brass.



Part #	Description
S1	Brass
SS2	Stainless Steel

Nylon Ties

- 6" and 8" nylon ties for attaching valve tags.
- 34" and 48" nylon ties used for strap on extensions for System #1 and System #4 Pipe Markers.

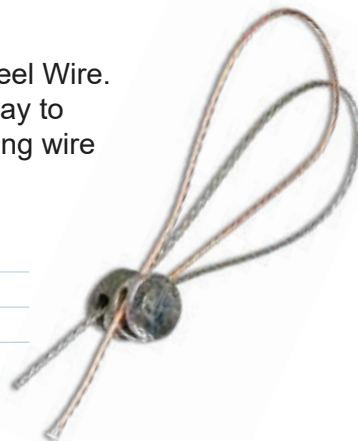


Part #	Package Size	Size
NT6	100/Pkg	6" Long
NT8	100/Pkg	8" Long
NT34	Individual	34" Long *
NT48	Individual	48" Long *

* **UL Type 21 AH-2:** Suitable for use in Air Handling Spaces (Plenums) in accordance with Section 300.22 (C) and (D) of the National Electrical Code and Rules 12-010 (3), (4), and (5) and 12-020 of the Canadian Electrical Code, Part 1.
UL 181B-C: For Use with nonmetallic air ducts and air connectors.

Lead Seals

Copper or Stainless Steel Wire. The tamper resistant way to attach tags. 100, 10" long wire seals per package.



Part #	Description
CS	Copper
SSS	Stainless Steel

Hand Press

This rugged steel hand press is used to secure Copper & Stainless Steel Meter Seals.



Part # HP-1

DATE: / /

JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Accessories



Stainless Steel Strapping

3/8" wide .015 S.S. strapping is easy to install and is used in corrosive environments instead of nylon ties, to secure System #1 and System #4 Pipe Markers.

Part #	Size
SSS38	3/8" x .015 Stainless Steel Strapping (200ft)
SSP-38	3/8" Stainless Steel Wings Seals (100/Pkg)
RTST-1	Ratchet Type Strapping Tool

Zinc Hooks

These 2-1/2" hooks are a popular alternative to "S" hooks. Sold in packages of 100.

Part #	Description
Z001	Zinc Hook 100/Pkg



Steel Stamps

Make your own valve tags by using our blank brass tags and steel stamps to make the impression. Simply place blank valve tag on a solid surface, place steel stamp on the blank tag and strike with hammer.



Part #	Description	Character Size	Number of Characters
SL4	Letter Set	1/4"	27
SN4	Number Set	1/4"	10
SL2	Letter Set	1/2"	27
SN2	Number Set	1/2"	10

Valve Chart (Aluminum & Plastic)



Use Valve Chart frames to display your valve tag charts. Available in rugged aluminum or economical plastic. Holds 8-1/2" x 11" valve tag chart. Custom sizes are available on aluminum frames only, call for pricing.

Part #	Description
VC1	Aluminum
VC2	Plastic

DATE: / /

JOB: _____

CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

STENCILS

Standard Stencil Characters



Use:

Marking all types of piping and equipment. Use with Stencil paints or Stencil Inks

Materials

Polyester: Matte film 4 mil thickness.

Offers superior durability and flexibility. Excellent for indoor and outdoor use. Can easily be wiped off and does not absorb moisture.

Oil Board: .010 mil Oil Board Material

Offers good durability. Good for indoor use. Better for larger pipes and flat surfaces.

Letter Size:

Standard sizes 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 3-1/2", 4" (13mm, 19mm, 25.4mm, 32mm, 38mm, 51mm, 64mm, 76mm, 89mm, 102mm)

Other Sizes and Custom shapes are available.



DATE: ___ / ___ / ___ JOB: _____

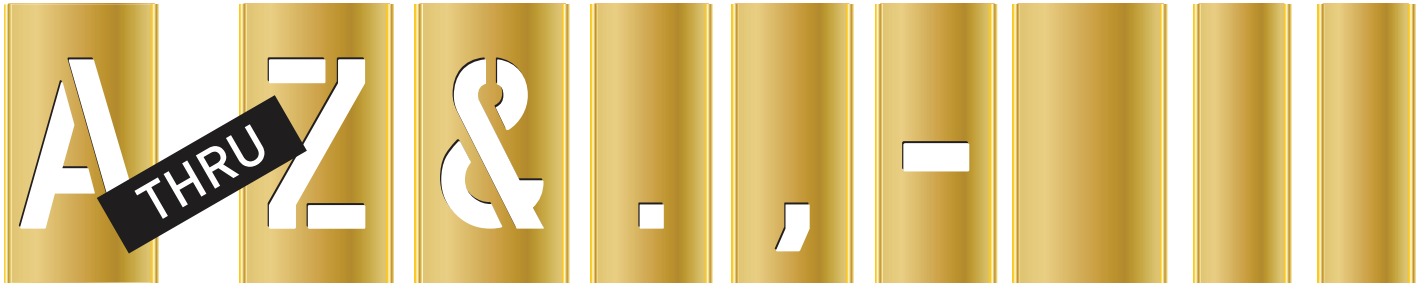
CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

BRASS INTERLOCKING STENCILS

Stencil Characters



Letters A thru Z

Ampersand

Period

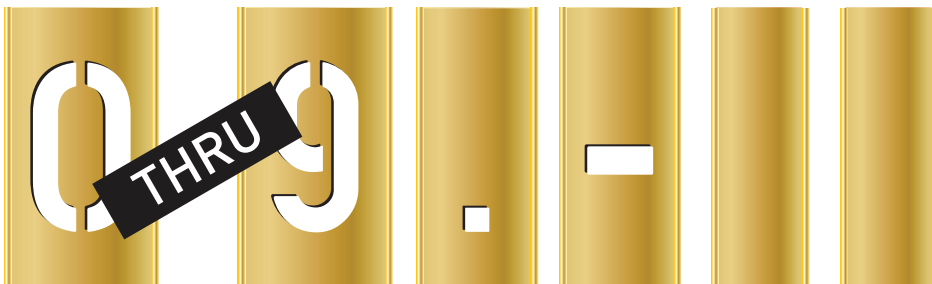
Comma

Dash

Spacer

Beginner

Ende



Numbers 0 thru 9

Period

Dash

Beginner

Ende

Use:

Marking all types of piping and equipment. Use with Stencil paints or Stencil Inks

Materials

Brass: .007 mil thick

Offers superior durability, ideal for jobs that required several different legends such as equipment identification.

Letter Sets consists of: A thru Z, &, period (.), comma (,) dash (-), spacer, beginner and ender.

Number Sets consists of: 0,1, 2, 3, 4, 5, 6, 7, 8, 9, period (.),dash (-), beginner and ender.

Character Sizes Available:

Standard sizes: 3/4", 1", 1-1/2", 2", 3" (19mm, 25.4mm, 38mm, 51mm, 76mm)

DATE: ____ / ____ / ____

JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Stencil Paint

Specifically designed spray head makes for quick and easy permanent marking on piping and other commonly marker surfaces.

Suggested Uses:

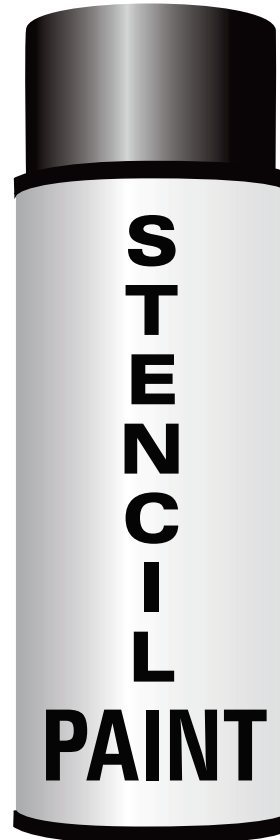
- Forestry
- Petrochemical
- Mining
- Lumber
- Screen enclosures

Benefits

- Economical
- Lower Flammability
- Water based formula provides reduced flammability.
- Narrow concentrated spray
- High opacity and pigment content
- Non-clogging
- Long lasting paint that will not wash away with water
- VOC compliant (makes it safer for the environment)
- Net Weight 11 oz. / Weight by volume 15.7 oz.

Packaging:

- Container 16 fluid ounce can
- Shipping Classification Consumer Commodity ORM-D, UN 1950
- Hazard Class 2.1



Properties:

Flammability	"Flammable"
Flash point	-4F
Specific Gravity	0.80
Solids Content	~18%
VOC content	~56%, cannot exceed 60%
MIR value	~1.10, cannot exceed 1.20
HAPs content	19%
Storage Temperature	40°-90° F
Application Temperature	50° -100° F
Durability	Good
Abrasion Resistance	Good
Heat Resistance	250° F
Resin System	V.T. Alkyd
Shelf life	Guaranteed for 2 years
Food contact rating	No

Dry Time*:

To touch	10 minutes
To handle	45 minutes
*At 72° F, 50% humidity, 1.5 mil thickness	

Curing/Recoat time is extended with multiple coats and excessively thick coats

Gloss*: Flat, <15
*as measured on a 60° gloss meter

COLORS		PART#
<input type="checkbox"/> White	_____	HGP-W
<input type="checkbox"/> Black	_____	HGP-BLK
<input type="checkbox"/> Green	_____	HGP-G
<input type="checkbox"/> Red	_____	HGP-R
<input type="checkbox"/> Yellow	_____	HGP-Y
<input type="checkbox"/> Blue	_____	HGP-B

DATE: ____ / ____ / ____ **JOB:** _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Stencil Ink

Industrial Spray Inks are useful for permanent, waterproof, fast-drying bold marks on any surface.

Benefits

- Bold, brilliant, lead-free, pigment colors for high contrast marking
- May be used on any surface
- For stenciling, color coding and identification marking
- Permanent, quick drying, weatherproof, low odor level
- Meets Federal Ink Specs for water and weather resistance
- Complies with A-A-208D Performance Specs for black, white and red
- Quick drying formula results in little running and minimum misting.
- Flat finish provides and easy to read mark.

Packaging:

- Container 14 fluid ounces can (414 cm)
- Net weight: 0.69 lbs (11 oz.) per can

Physical Characteristics

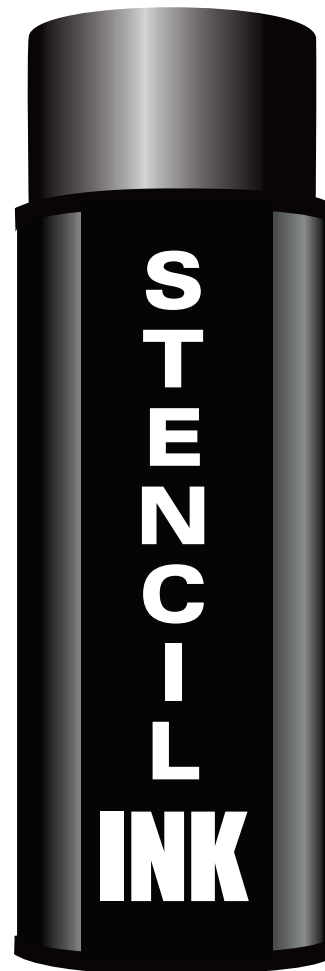
- Fragrance: Solvent Odor
- Spray Pattern: Wet, Medium Mist
- Shelf Life: 2 years from date of manufacture
(Julian date stamped on bottom of can)

Regulatory

- Chlorofluorocarbon (CFC): None
- Recyclable Packaging: Yes
- Regulated By: 29 CFR 1910.1200
- DOT Hazard Class: Limited Quantity
- Shipping Name: Aerosols, Flammable UN 1950
- 24 Hour Medical Emergency: 1-800-535-5053 / 1-352-323-3500

Compliance:

Commercial Item Description A-A-208D Ink, Marking,
Stencil, Opaque (Porous and Non-Porous Surfaces)



COLORS	PART#
<input type="checkbox"/> White _____	INK-W
<input type="checkbox"/> Black _____	INK-BLK
<input type="checkbox"/> Red _____	INK-R
<input type="checkbox"/> Yellow _____	INK-Y

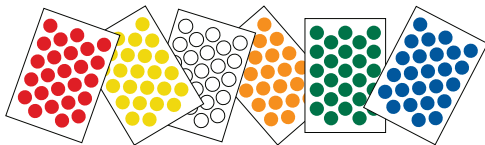
DATE: ____ / ____ / ____ JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

CEILING T-BAR MARKERS



1 VINYL CEILING MARKERS

Option 1 Stick-On Sheets: Are manufactured from 3.2 mil Colored Vinyl (Self-Adhesive) and sold in sheets of 25 markers 3/4" in dia.

Material: Outdoor Grade 3.2 mil thick high gloss adhesive backed calendered vinyl film, printed using UV and chemical resistant inks, to ensure durability in most commercial / industrial environments.

Adhesive: Aggressive Solvent Based Adhesive formulated to adhere to a variety of insulated and non insulated pipe surfaces

LEED Compliance: This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC.

Marker Color	Marker Size	Markers Per Pkg	Vinyl Stick On Part#
Yellow	3/4"	25	VMSY
Green	3/4"	25	VMSG
Red	3/4"	25	VMSR
Blue	3/4"	25	VMSB
White	3/4"	25	VMSW
Orange	3/4"	25	VMSO

PLASTIC CEILING MARKERS

Material: Briply™ (Regular Plastic) is a non-directional matte finish flexible blended acrylic extruded sheet, with cap and core permanently fused together. Material is also break resistant, stain resistant, chip proof and shatter proof.

LEED Compliance: Ceiling markers with adhesive backing are in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC).

• When supplied with adhesive the adhesive backing on this product contains < 5.8 grams / Liter VOC.

- **Indoor Durability:** Indefinite
- **Outdoor Durability:** - Limited (6-12 months susceptible fading)



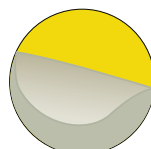
Front



Back Adhesive



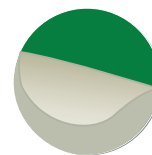
Front



Back Adhesive



Front



Back Adhesive

Marker Color	Marker Size	Markers Per Pkg	Solid Plastic Part#	Arrow Color	Engraved Arrow Part#	Marker Color	Marker Size	Minimum Quantity	Custom Part#
Yellow	3/4"	25	CMSY	Black Arrow	CMAY	Yellow	3/4"	10	CMEY
Green	3/4"	25	CMSG	White Arrow	CMAG	Green	3/4"	10	CMEG
Red	3/4"	25	CMSR	White Arrow	CMAR	Red	3/4"	10	CMER
Blue	3/4"	25	CMSB	White Arrow	CMAB	Blue	3/4"	10	CMEB
White	3/4"	25	CMSW	Black Arrow	CMAW	White	3/4"	10	CMEW
Orange	3/4"	25	CMSO	Black Arrow	CMAO	Orange	3/4"	10	CMEO

2 Option 2 Colored Plastic:
Blank ceiling markers are made of colored 1/16" engraving plastic, 3/4" in diameter and supplied with back adhesive, available in 6 different colors.

3 Option 3 Engraved Arrow:
Markers with an Engraved Arrow are made of colored 1/16" engraving plastic, 3/4" in diameter and supplied with back adhesive, available in 6 different colors.

4 Custom Option 4 Engraved Plastic:
Ceiling markers are made of 1/16" engraving plastic, 3/4" in diameter and supplied with back adhesive, available in 6 different colors. Custom Engraved markers with equipment info require a minimum order of 10 markers.

DATE: / /

JOB: _____

CONTRACTOR: _____

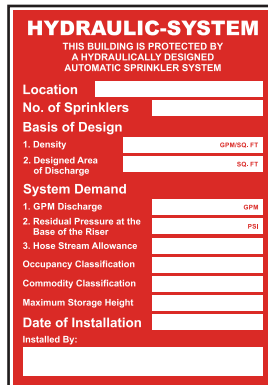
Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

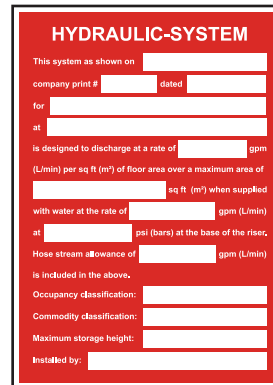
Fire/Sprinkler Signs



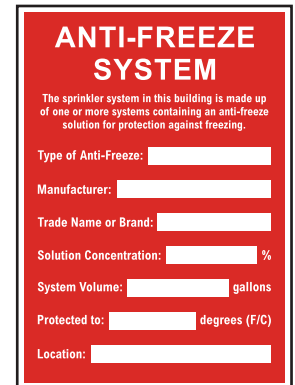
SPR-2
7 3/4" x 9"



SPR-16
5 x 7" | 7" x 10"



SPR-17
5 x 7" | 7" x 10"



SPR-18
5 x 7" | 7" x 10"



SPR-20
7 x 5" | 10 x 7"



SPR-21
7 x 5" | 10 x 7"

Sprinkler Plates



SPR-3
6" x 2"



SPR-4
6" x 2"



SPR-5
6" x 2"



SPR-6
6" x 2"



SPR-7
6" x 2"



SPR-8
6" x 2"



SPR-9
6" x 2"



SPR-10
6" x 2"



SPR-11
6" x 2"



SPR-12
6" x 2"



SPR-13
6" x 2"



SPR-14
6" x 2"



SPR-22
6" x 2"



SPR-23
6" x 2"



SPR-24
6" x 2"



25752
6" x 2"



25750
6" x 2"



25758
6" x 2"

Product Description:

Sprinkler system plates comply with the National Board of Fire Underwriters (NFBU) Standard No. 13. Line plates can be used throughout the piping system as markers or applied as valve tags.

Materials:

- .020" thick Rust Free White Aluminum
- Aluminum does not rust or break, graded for outdoor use.
- 4 pre-drilled holes @ 0.218" and Square Corners
- Printed with UV Resistant Inks

Temp Range: -40°F to 212°F

DATE: / /

JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Ammonia Self-Adhesive Pipe Markers



Self-Adhesive Ammonia Markers with New 2019 Color Scheme



SIZE CHART

MARKER STYLE	OUTSIDE PIPE DIAMETER	MARKER DIMENSIONS	SIZE OF LETTERS
AN-1	3/4" - 2" / 19 - 51mm	10 x 1-1/2" / 254 x 38mm	3/4" / 51mm
AN-2	2-1/2" - 6" / 64 - 152mm	15 x 2-1/2" / 381 x 64mm	1-1/4" / 32mm
AN-3	7" - 10" / 178 - 254mm	27 x 3-1/2" / 686 x 89mm	2-1/2" / 64mm
AN-4	Over 10" / 254mm	32 x 4-1/2" / 813 x 114mm	3-1/2" / 89mm

Compliance:

- IIAR Recommended Guidelines Bulletin #114 2019 Revision
- ANSI Z535.1 Safety Color Code
- **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC.

Material:

Outdoor Grade 3.2 mil thick high gloss adhesive backed calendared vinyl film, printed using UV and chemical resistant inks, to insure durability in most commercial / industrial environments.

Use:

Identify Ammonia piping systems. Each pipe marker contains the refrigerant "AMMONIA", the Specific Abbreviation, Physical State (LIQ, VAP) and Pressure Level (HIGH, LOW). An arrow is also supplied with each marker for easy identification of the directional flow.

Adhesive:

Aggressive Permanent Adhesive formulated to adhere to a variety of insulated and non insulated pipe surfaces.

Surface Preparation:

Surface must be dry and reasonably clean prior to applying adhesive backed label product. Minimum Surface Temperature 50°F (10°C).

Outdoor Durability: 4 to 5 years Mid Continental US

Abrasion Resistance: Good

Water Resistance: Good

Solvent Resistance: Good

Service Temp: -20°F (-29°C) to 200°F (93°C)

Storage Stability: 2 years at 70°F with 50 RH

Ammonia Marker Stock List

Part #	Legend	Abbr.	State	Press.
1	BOOSTER DISCHARGE	BD	VAP	LOW
2	BOOSTER SUCTION	BS	VAP	LOW
3	CONDENSER DRAIN	CD	LIQ	HIGH
4	DEFROST CONDENSATE *	DC	LIQ VAP	HIGH
5	ECONOMIZER SUCTION	ES	VAP	LOW
6	EQUALIZER *	EQ	VAP	HIGH
7	FOUL GAS *	FG	VAP	HIGH
8	HIGH PRESS. LIQUID	HPL	LIQ	HIGH
9	HIGH STAGE DISCHARGE	HSD	VAP	HIGH
10	HIGH STAGE SUCTION	HSS	VAP	LOW
11	HIGH TEMP. RECIRC. LIQUID	HTRL	LIQ	LOW
12	HIGH TEMP. RECIRC. SUCTION	HTRS	LIQ VAP	LOW
13	HIGH TEMP. SUCTION	HTS	VAP	LOW
14	HOT GAS *	HG	VAP	HIGH
15	HOT GAS DEFROST	HGD	VAP	HIGH
16	INTERMEDIATE PRESS. LIQ.	IPL	LIQ	HIGH
17	LIQUID DRAIN *	LD	LIQ	LOW
18	LIQUID INJECTION COOL	LIC	LIQ	HIGH
19	LIQUID TRANSFER *	LT	LIQ	LOW
20	LOW STAGE DISCHARGE *	LSD	VAP	LOW
21	LOW STAGE SUCTION	LSS	VAP	LOW
22	LOW TEMP. LIQUID	LTL	LIQ	LOW
23	LOW TEMP. RECIRC. LIQUID	LTRL	LIQ	LOW
24	LOW TEMP. RECIRC. SUCTION	LTRS	LIQ VAP	LOW
25	LOW TEMP. SUCTION	LTS	VAP	LOW
26	MED. TEMP. RECIRC. LIQUID	MTRL	LIQ	LOW
27	MED. TEMP. RECIRC. SUCTION	MTRS	LIQ VAP	LOW
28	MED. TEMP. SUCTION	MTS	VAP	LOW
29	OIL DRAIN	OD	---	---
30	PUMP OUT	PO	LIQ VAP	LOW
31	PURGE *	PRG	VAP	HIGH
32	RELIEF VENT	RV	VAP	HIGH
33	RELIEF VENT *	RV	---	---
34	SUB-COOLED LIQUID	SCL	LIQ	HIGH
35	THERMOSYPHON RETURN	TSR	LIQ VAP	HIGH
36	THERMOSYPHON SUPPLY	TSS	LIQ	HIGH
37	THERMOSYPHON VENT	TSV	VAP	HIGH

* These Piping Descriptions Are NOT Included in IIAR Bulletin #114

DATE: ___ / ___ / ___

JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Ammonia Snap-Around and Strap-On Markers

Compliance:

- IIAR Bulletin #114 2019 Revision
- ANSI / ASME A13.1-2023 "Scheme for the Identification of Piping Systems"
- ANSI Z535.1 "Safety Color Code"
- **LEED Compliance:** This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). When supplied with adhesive strip, the adhesive backing on this product contains < 5.8 grams / Liter VOC.
- **UL 94** - Test for Flammability of Plastic Materials. Classification achieved: 94V-0
- As Per Test Method ASTM E-85, the material's Flame Spread is rated at 25 or less

Material:

Semi Rigid Colored PVC Vinyl extruded with UV inhibition for outdoor durability. The image is applied with UV resistant inks. Sizes AA thru E are thermoformed to achieve a pre-tension wrap around pressure for specific pipe sizes. Sizes F thru H are provided with slotted holes and are strapped onto pipes using nylon ties.

Material Thickness:

.015" thick used with Styles A, B, F, G, and H
 .025" thick used with Styles C, D, and E

Snap-Around and Strap-On Markers are constructed of PVC which is inherently self-extinguishing

Use:

Identify piping systems. Snap-Around and Strap-On Markers offer significant advantages to conventional pipe labels. Speed of installation, pre-tension wrap around markers, no pipe preparation and 360° visibility of marker locations. Arrows & legends are printed repeatedly in opposite directions allowing the marker to be applied in any direction achieving proper reading while indicating pipe content flow.

Surface Preparation: None

Outdoor Durability: 4 to 5 years Mid-Continental US

Abrasion Resistance: Good

Water Resistance: Excellent

Chemical Resistance: Excellent resistance to most petroleum solvents and low aliphatic alcohols.

Service Temp: All Sizes*

-40°F to 160°F (-40° C to 71°C)

* Snap-Around and Strap-On Markers are not recommended for use in environments or on pipes constantly above 180°F (82°C).

Fasteners

- 36" (915mm) Nylon Ties
- 48" (1219mm) Nylon Ties
- 3/8" x .015" x 200' Stainless Steel Strapping (See Accessories Data Sheet)



1 Snap-Around Markers
(Styles A thru E)



2 Strap-On Markers
(Styles F thru H)

SIZE CHART

MARKER STYLE	OUTSIDE PIPE DIAMETER	MARKER WIDTH	CHARACTER SIZE
A	3/4" - 1" (19 - 25 mm)	8" (203 mm)	1/2" (13 mm)
B	1-1/8" - 2-3/8" (29 - 60mm)	8" (203mm)	3/4" (19mm)
C*	2-1/2" - 3-1/4" (64 - 83mm)	12" (305mm)	1-1/4" (32mm)
D*	3-3/8" - 4-1/2" (86 - 114mm)	12" (305mm)	1-1/4" (32mm)
E*	4-5/8" - 6" (117 - 152mm)	12" (305mm)	1-1/4" (32mm)
F**	6-1/8" - 7-7/8" (155 - 200mm)	12" (305mm)	1-1/4" (32mm)
G**	8" - 10" (203 - 254mm)	24" (610mm)	2-1/2" (64mm)
H**	Over 10" (Over 254mm)	32" (813mm)	3-1/2" (89mm)

* Supplied with adhesive strip , which is only recommended if service temperature exceeds 100°F.

** Strap on mounting method includes 2 nylon ties.

STANDARD COLORS

Toxic, Corrosive Fluids **Body Color**

Liquid State **Yellow / Black Band**

Vapor State **Lt. Blue / Black Band**

High Pressure **Red / Black Band**

Low Pressure **Green / Black Band**

DATE: / /

JOB: _____

CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

GHS Self-Adhesive Pipe Markers



GASOLINE

DANGER

REFERENCE SDS TO LEARN ABOUT HAZARD AND PRECAUTIONARY STATEMENTS

Brimar FITS PIPE O.D. 2-1/2" TO 7-7/8" GHS PIPE MARKER | GHS101 Y/B

STANDARD COLORS

Firefighting	Toxic or Corrosive
Flammable, Combustible, or Oxidizing	Steam; or Steam Condensate, Boiler Feedwater, or Other Hot Water
Potable, Cooling, or Other Cold or Tepid Water	Compressed Air
Defined By The User	Defined By The User
Defined By The User	Defined By The User
Defined By The User	Defined By The User
Defined By The User	Defined By The User

DIRECTIONAL FLOW

MARKER STYLE	OUTSIDE PIPE DIAMETER	MARKER DIMENSIONS	GHS PICTOGRAM SIZE	CHEMICAL NAME SIZE	ALTERN. MATCHING ARROW	ALTERN. ARROW TAPE
1XSM	3/4" - 1-1/4" 19 - 32mm	8 x 1-1/8" 203 x 29mm	1/2 inch 13mm	1/2 inch 13mm	4 x 1-1/8" 102 x 29mm	1" 25.4mm
1SM	1-1/2" - 2-3/8" 38 - 60mm	8 x 1-1/8" 203 x 29mm	3/4 inch 19mm	3/4 inch 19mm	4 x 1-1/8" 102 x 29mm	1" 25.4mm
1	2 1/2" - 7-7/8" 64 - 200mm	14 x 2-1/4" 356 x 57mm	1-1/4 inch 32mm	1-1/4 inch 32mm	6 x 2-1/4" 152 x 57mm	2" 51mm
1LG	8" - 10" 203 - 254mm	24 x 4" 610 x 102mm	2-1/2 inch 64mm	2-1/2 inch 64mm	7 x 4" 178 x 102mm	2" or 4" 51 or 102mm

Compliance:

- ANSI / ASME A13.1-2023 "Scheme for the Identification of Piping Systems"
- ANSI Z535.1 "Safety Color Code"
- NFPA 99 Health Care Facilities Code

LEED Compliance: This product is in compliance with the Standards set forth by the South Coast Air Quality Management District (SCAQMD) Rule #1168 and the Green Seal Standard, GS-36 for Commercial Adhesives pertaining to Volatile Organic Compounds (VOC). The adhesive backing on this product contains < 4.4 grams / Liter VOC.

Material:

Outdoor Grade 3.2 mil thick high gloss adhesive backed calendared vinyl film, printed using UV and chemical resistant inks, to ensure durability in most commercial / industrial environments.

Use: Identify piping systems. Self-Adhesive Pipe Markers used in conjunction with Self-Adhesive Matching Arrow or Arrow Banding Tapes to identify both, pipe content and directional flow for full compliance with ANSI / ASME A13.1-2023.

Adhesive:

Aggressive permanent adhesive formulated to adhere to a variety of insulated and non insulated pipe surfaces.

Surface Preparation:

Surface must be dry and reasonably clean prior to applying adhesive backed label product. Minimum Surface Temperature 50°F (10°C).

Outdoor Durability: 4 to 5 years Mid Continental US

Abrasion Resistance: Good

Water Resistance: Good

Solvent Resistance: Good

Service Temp: -20°F (-29°C) to 200°F (93°C)

Storage Stability: 2 years at 70°F (21°C) with 50 RH

DATE: / /

JOB: _____

CONTRACTOR: _____



Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Underground Tape

Non-Detectable Tape

Use:

Non-Detectable tape for the protection, location and identification of underground utility installations.

Material:

Polyethylene of a nominal 4.0 mil overall thickness. This product is lead-free

Special properties:

An inert plastic film formulated to resist degradation due to acid and alkalies found in the soil. Product is also lead free.



TEST DATA

Material Identification:	4 Mil Polyethylene, 3", 4" & 6" wide
Test Procedure:	ASTM-D-882, Method A
Specimen Conditions:	73°F / 50% R.H.
Test Temperature:	73°F
Elongation:	552%
Tensile Strength (Transverse):	2,100 psi
Tensile Strength (Longitudinal):	2,870 psi
Roll Weight (3" x 1000')	6 lbs.
Roll Weight (6" x 1000')	12 lbs.

Specification Compliance:

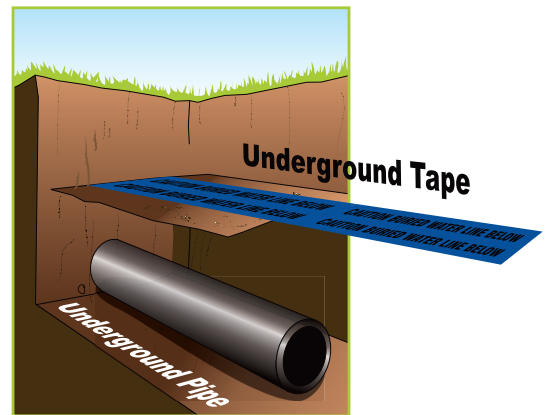
All tapes shall be specified and supplied in accordance with the APWA National Color Code, requiring a black ink message against a high-intensity, color coded background along with the appropriate legend to define the type of utility line it protects.

Standard Colors:

Yellow, Blue, Green, Red, Purple and Orange

Standard Sizes:

3" x 1000' and 6" x 1000'



A typical excavator starts with a shallow cut to mark the spot and check for obstructions. For maximum early benefit this tape should be buried no deeper than 6-10" below grade. The wider the tape the greater the detection capabilities and visibility.

DATE: ___ / ___ / ___

JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Underground Tape

Detectable Tape

Use: Detectable tape for the protection, location and identification of underground utility installations.

Material: Solid Aluminum foil core with an imprinted warning legend that is completely encased to prevent ink rub-off. Thickness is a nominal 5 mil overall construction.

Special properties: Constructed of materials that are impervious to acids, alkalis and other destructive elements found in soil. The imprint is such that it allows for total reflectivity of the background and imprinted legend.



TEST DATA

Material Identification:	5 Mil Detectable, 2", 3", 6" or 12" wide
Test Procedure:	ASTM-D-882, Method A
Specimen Conditions:	73°F / 50% R.H.
Test Temperature:	73°F
Elongation:	90%
Tensile Strength (Transverse):	5,530 psi
Tensile Strength (Longitudinal):	4,544 psi
Roll Weight - (3" x 1000')	+/- 7.5 lbs.
Roll Weight - (6" x 1000')	+/- 15 lbs.

Conforms to the following specifications:

- D.O.T. Office of Pipeline Safety USAS B31.8
- NTSB PSS-73-1.
- API RP 1109
- GSA Public Buildings Service Guide
- American Gas Association 72-D-56
- OSHA 1926.956 (c)(1)
- APWA Uniform Color Code
- Federal Gas Safety Regulation S 192-321 (e)

This tape is easily located with an industrial grade non-ferrous metal detector before you dig, while its highly visible colors make it easy to locate after the dig has begun. Properly installed, this tape helps avoid catastrophically inaccurate digging when locating utilities such as electrical lines, gas pipes and communication cables.

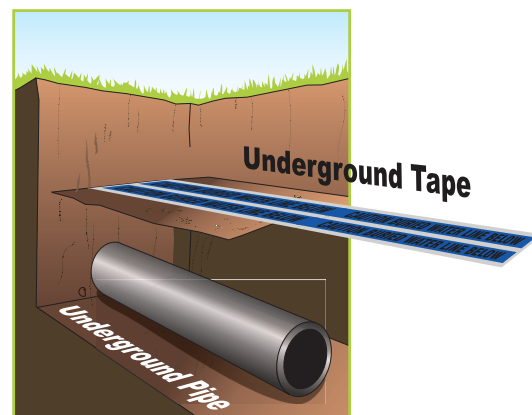
Specification Compliance:

All tapes shall be specified and supplied in accordance with the APWA Nation Color Code, requiring a black ink message against a high-intensity, color coded background along with the appropriate legend to define the type of utility line it protects.

Standard Colors: Yellow, Blue, Green, Red, and Orange

Standard Sizes: 2" x 1000', 3" x 1000' and 6" x 1000'

A typical excavator starts with a shallow cut to mark the spot and check for obstructions. For maximum early benefit this tape should be buried no deeper than 6-10" below grade. The wider the tape the greater the detection capabilities and visibility.



DATE: ___ / ___ / ___

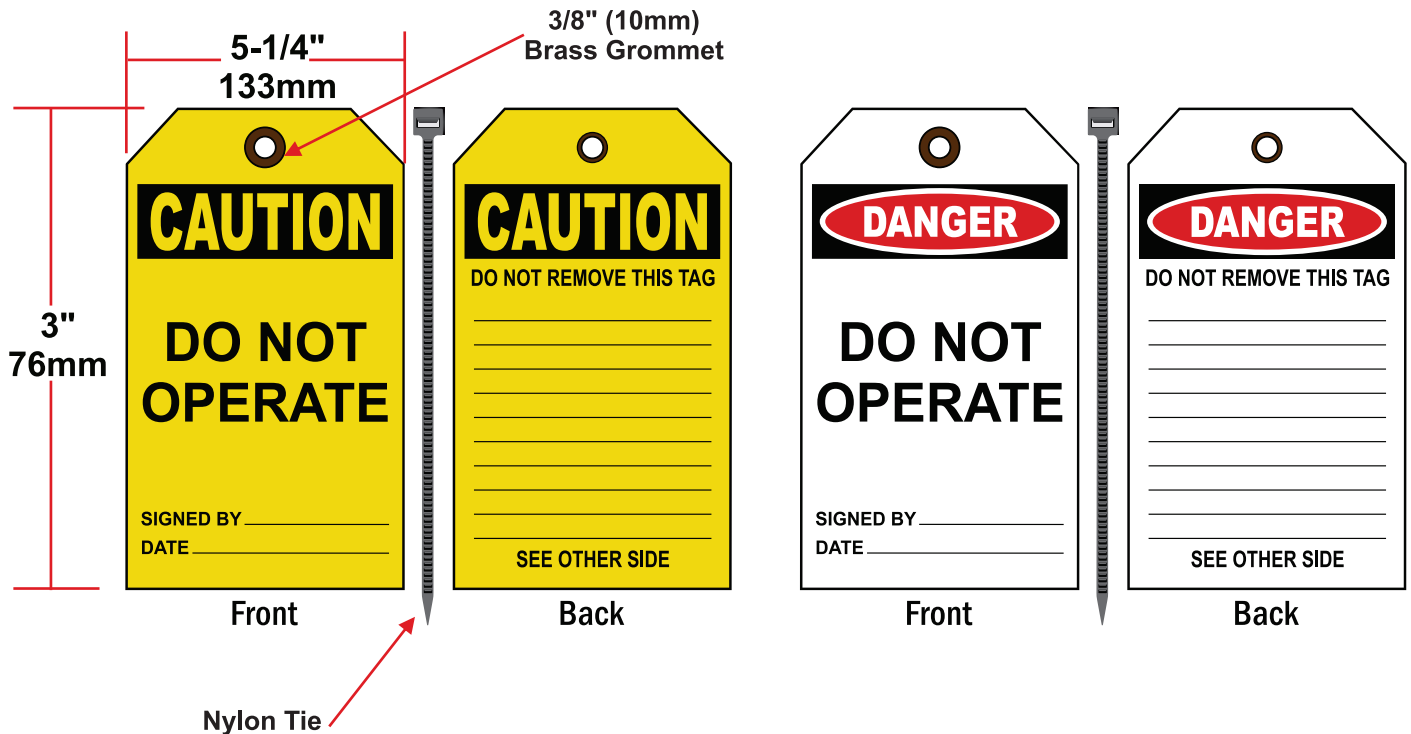
JOB: _____

CONTRACTOR: _____

Product Information Bulletin

64 Outwater Lane, Garfield, NJ 07026 Ph: 973-340-7889 | Fax: 973-340-7809

Safety Tags



Material Thickness:

- 15 mil Matte Vinyl

Sizes: Any size available

Standard size: 3-1/4 x 5-5/8" (83 x 143mm)

Spec Size: 3 x 5-1/4" (76 x 133 mm)

Description:

- Durable 15 mil write on vinyl which is ideal for every day use throughout any facility.
- Write on Matte Finish (Permanent marker recommended)

Outdoor Durability:

3 - 5 years.

Fasteners:

- 3/8" (10mm) ID Brass Grommet
- 10" (254mm) long lead seals (supplied separately)

Service Temperature:

0°F - 150°F (-18°C -65°C)

Standard Colors:

Danger Tags: Black/Red/White
Caution Tags: Yellow/Black

DATE: ___ / ___ / ___

JOB: _____

CONTRACTOR: _____

VALVE IDENTIFICATION CHART

SYSTEM: _____
JOB NAME: _____
INSTALLER: _____ DATE: _____

VALVE NO.	LOCATION	PURPOSE
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VALVE IDENTIFICATION CHART

SYSTEM: _____
JOB NAME: _____
INSTALLER: _____ DATE: _____

VALVE NO.	LOCATION	PURPOSE
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