



1. Product Name

Seton Pipe and Valve Identification Products

- Opti-Code™ Pipe Markers
- Setmark® Pipe Markers
- Ultra-mark® Pipe Markers
- Roll Form Pipe Markers
- Poly-Code™ Pipe Markers
- Arrows-On-A-Roll Pipe Markers
- Valve Tags

2. Manufacturer

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3. Product Description

A member of the committee that established the ANSI standard for piping identification, Seton Identification Products offers a complete line of self-adhesive, snap-on and high performance pipe markers, as well as color-coded, stainless steel, brass and aluminum valve tags.

BASIC USE

Designed to increase workplace safety, Seton Identification Products pipe markers and valve tags provide information to help eliminate confusion and potential danger caused by unmarked pipes or valves.

Opti-Code™ Pipe Markers

Self-adhesive Opti-Code markers use color bands on both sides to indicate system pressure and physical state. Fabricated of durable, pressure-sensitive vinyl, they are ideal for dry, clean indoor pipes, including ammonia, semiconductor, chemical and medical gas pipes within commercial and industrial applications.

Setmark® Pipe Markers

Setmark Pipe Markers are designed for surfaces that will not support self-adhesive labels. Printed on coiled vinyl material that is snapped around the pipe or strapped with nylon ties, Setmark markers include arrows to note flow

direction and ANSI abbreviations to indicate the system, physical state and pressure level of pipe contents. They are suited for warning, ammonia refrigeration and fire protection applications. Custom designs are available.

Ultra-mark® Pipe Markers

Comprised of non-vinyl chloride polyester secured with a self-adhesive tape strip, Ultra-mark resists fading, moisture, abrasion, acid and corrosion. Its PVF over laminated polyester construction and ability to withstand extreme temperatures make Ultra-mark ideal for outdoor and harsh applications.

Ultra-mark Variable Information Pipe Markers are available with unique safety symbols, NFPA hazard ratings or bar codes to accompany standard wording and color marking schemes.

Roll Form Pipe Markers

Roll Form Pipe Markers are self-adhesive vinyl markers, over laminated to protect against chemicals and weathering. Suited for a variety of large and small pipe marking jobs, they are ideal when a pipe diameter is unknown. Perforated arrows can be removed and reversed to indicate flow in either direction. The product line includes Medical Gas Pipe Markers-On-A-Roll, which comply with CGA and NFPA standards, Pipe Markers-On-A-Roll and Wrap Around Adhesive Roll Markers.

Poly-Code™ Pipe Markers

Poly-Code 2 mil (0.05 mm) thick polyester pipe markers are coated with a permanent acrylic adhesive and designed for indoor and outdoor use. Easy to apply, the markers have a clear background with white or black lettering to identify pipe contents.

Arrows-On-A-Roll

Arrows-On-A-Roll banding tape is a durable, pressure-sensitive vinyl tape, with arrows to identify the flow direction of pipe contents. Over laminated for protection against chemicals and weathering, Arrows-On-A-Roll is available in a selection of ANSI color combinations.

Valve Tags

Seton Identification Products offers brass, aluminum, stainless steel, acrylic, plastic and fiberglass tags for valve identification. The tags can be blank, prenumbered with industry-recognized abbreviations or can be custom designed for a specific valve location or function.

Brass tags, suited for harsh environments, are fabricated of solid, 19 gauge brass. Seton offers

stock, custom-engraved and custom-stamped brass tags, in a variety of shapes and colors.

Aluminum and stainless steel tags, suited for high temperature applications, can be blank or can have stock or customized messages. The 19 gauge aluminum and 0.025" (0.6 mm) stainless steel tags are available in a selection of sizes and shapes. Engraved anodized aluminum tags are designed for areas exposed to high temperatures. Standard tags are stamped on the front and flood coated with color. Color filled tags, processed to have the color become part of the surface, are also available.

Lightweight and impact resistant plastic valve tags are noncorrosive and non-conductive. Able to withstand extreme temperatures, these tags are available in a variety of shapes, configurations and colors.

Seton Identification Products offers valve tags for a variety of specialized applications, including photoluminescent tags to provide visibility in emergency blackout situations, fire sprinkler tags and indicator tags.

COMPOSITION & MATERIALS, COLORS

See Table 1.

SIZES

See Table 2.

BENEFITS

- Provide information to increase workplace safety
- Identify safety concerns and hazardous pipes or valves, reducing confusion from unmarked pipes or valves
- Variety of materials allows installation in a variety of temperatures, conditions and environments
- Color coding permits high visibility and quick identification
- Blank tags allow onsite identification
- ANSI compliant wording, as well as custom text, is available
- Pipe marker text can be English or English with an additional language
- Sequential numbering, custom numbering and custom coloring are available

LIMITATIONS

- Valve tags have a 3 to 6 year outdoor durability
- Opti-Code and roll form plastic products, including Arrow-On-A-Roll and Seton-Code, are not suitable for organic solvent, acid or alkali environments
- Roll Form plastic does not meet ANSI A13.1 standards



TABLE 1 PRODUCT DESCRIPTION

Product	Composition & Materials	Options	Colors
Ultra-mark Pipe Markers	Mechanically fastened polyester, 4 mil (0.1 mm) thick, laminated with UV-resistant polyvinyl fluoride (PVF) and formed to wrap around the pipe Snap-on for pipes to 6" (152 mm); strap-on for pipes 6" (152 mm) or larger	Blank, custom or preprinted Configurations for High Performance, Variable Information, Ammonia Pipe, Pipe Warning Markers	White text on blue, black, green, gray, red, brown Black text on yellow, orange or white Custom colors and fonts available
Setmark Pipe Markers	Mechanically fastened, factory-fabricated vinyl, 5 mil (0.13 mm) thick and formed to wrap around the pipe Snap-on for pipes to 6" (152 mm); strap-on for pipes 6" (152 mm) or larger	Blank, custom or preprinted Configurations - Pipe Identification, Warning, Ammonia, Asbestos and Fire Protection Pipe Markers	White text on blue, black, green, gray, red, brown Black text on yellow, orange or white Custom colors and fonts available
Opti-Code Pipe Markers	Self-adhesive, factory-fabricated vinyl, 5 mil (0.13 mm) thick	Blank, custom or preprinted Configurations - Ammonia, Weather-Code, Medical Gas, Refrigerant, Fire Protection, Semiconductor & Chemical Pipe Markers	White text on blue, black, green, gray, red, brown Black text on yellow, orange or white Custom colors and fonts available Medical gas markers to CGA Pamphlet C-9 Semiconductor and chemical pipe markers: White text on blue or green; black text on yellow
Poly-Code Pipe Markers	Self-adhesive, factory-fabricated polyester, 2 mil (0.05 mm) thick, with acrylic adhesive coating	Preprinted	White text on clear background Black text on clear background
Roll Form Pipe Markers	Self-adhesive, factory-fabricated plastic film, roll formed and laminated to form a protective covering	Blank, preprinted Configurations include Pipe Banding Tape, Seton-Code Economy and Medical Gas Pipe Markers, Pipe Banding Tape	White text on blue, black, green, gray, red, brown Black text on yellow, orange or white Custom colors and fonts available Medical gas markers to CGA Pamphlet C-9 Semiconductor and chemical pipe markers: White text on blue or green; black text on yellow
Arrows-On-A-Roll Pipe Markers	Self-adhesive, factory-fabricated plastic film, roll formed and laminated to form a protective covering	Preprinted to indicate flow direction	White text on blue, green, red or clear Black text on yellow, orange, white, green or clear Custom colors and fonts available
Brass Valve Tags	Brass, 0.044" (1.1 mm) thick, with top hole for fastener	Blank - Round or square Stock - Round with stock text Custom stamped - Round, square, triangle, octagon, hexagon Stamped Color fill - Round or square Custom engraved - Round or square	Natural brass finish Stock tag lettering - Black Custom stamped lettering - Natural or black Color filled lettering - Blue, red or white Custom engraved lettering - Black, blue, red or white
Aluminum Valve Tags	Aluminum - 0.044" (1.1 mm) thick Anodized aluminum - 0.032" (0.8 mm) thick Aluminum write-on - Aluminum surface laminated to fiber center	Blank - Round or square Stock - Round or square Custom stamped - Round or square Write-on - Round, octagon Stamped Color fill - Round or square Custom engraved - Round or square	Stock, Write-on - Natural Custom-stamped or engraved - Natural or black; blue, red or white fill Anodized - Black, blue, green, red, yellow Engraved anodized - Black, dark or light blue, red, green, gold, olive, orange, pink, violet, yellow
Stainless Steel Valve Tags	Stainless steel - 0.025" (0.6 mm) thick	Blank - Round or square Stock - Round or square Custom stamped - Round or square Custom engraved - Round or square	Stock - Natural Custom-stamped, Engraved - Natural or black; blue, red or white fill
Plastic Valve Tags	Seton-Ply - Rigid 10 mil (0.25 mm) with smooth writing surface Poly-Tag - Multipurpose polyurethane; single or double sided	Stamped - Octagon, round, square Engraved Seton-Ply - Round or square Poly-Tag - Square, pentagon, cylinder	Stamped - Black, red, blue, green or white Engraved Seton-Ply - Black, blue, brown, green, red, white or yellow Poly-Tag - Black or white text on blue, green red or yellow

ACCESSORIES

Fasteners

- S Hooks - Available in stainless steel or brass
- No. 6 Beaded Chain - Available in brass, nickel, aluminum or stainless steel
- No. 16 Jack Chain - Available in brass, zinc-plated steel or stainless steel
- Tie straps

4. Technical Data

APPLICABLE STANDARDS

American National Standards Institute/
American Society of Mechanical Engineers
(ANSI/ASME) - ANSI/ASME A13.1 Scheme for the
Identification of Piping Systems

Air-Conditioning and Refrigeration Institute
(ARI) - ARI Guideline N Assignment of
Refrigerant Container Colors

Compressed Gas Association - Standard Color
Marking of Compressed Gas Containers for
Medical Use

International Institute of Ammonia
Refrigeration (IIR) - IIR Bulletin No. 114.
Guidelines for Identification of Ammonia
Refrigeration Piping and System Components

National Fire Protection Agency (NFPA) - NFPA
99C Standard on Gas and Vacuum Systems

APPROVALS

Standard pipe marker colors and text conform to ANSI/ASME A13.1. Ammonia pipe markers conform to IIR 114 standards. Gas pipe markers conform to NFPA 99C.

PHYSICAL/TECHNICAL PROPERTIES

Temperature Range

- Opti-Code - 40 to 176 degrees F (-40 to 80 degrees C)
- Setmark - -32 to 150 degrees F (0 to 65 degrees C)
- Ultra-mark - -40 to 248 degrees F (-40 to 120 degrees C)
- Roll Form - -40 to 212 degrees F (-40 to 100 degrees C)
- Arrows-On-A-Roll - -40 to 212 degrees F (-40 to 100 degrees C)
- Brass Valve Tags - Up to 1200 degrees F (650 degrees C)
- Aluminum Valve Tags - Up to 1500 degrees F (815 degrees C)
- Anodized Aluminum - Up to 1400 degrees F (760 degrees C)
- Stainless Steel Tags - Up to 2700 degrees F (1482 degrees C)

TABLE 2 SIZES	
Product	Size
Opti-Code, Setmark Pipe Markers	8" (203 mm), 12" (305 mm), 24" (610 mm), 32" (812 mm) lengths
Ultra-mark Pipe Markers	Variable Information - 8" (203 mm), 12" (305 mm) lengths Ammonia Pipe Markers - 8" (203 mm) width x 9" (229 mm) height or 12" width (305 mm) x 26.5" (673 mm) height
Roll Form Pipe Markers	6.5" x 1" (165 x 25.4 mm) 9" x 2" (229 x 51 mm) 12" x 3" (305 x 76 mm)
Poly-Code Pipe Markers	8" (203 mm), 12" (305 mm), 24" (610 mm), 32" (812 mm) lengths
Arrows-On-A-Roll	54' (16.5 m) or 108' (33 m) lengths 1" (25.4 mm), 2" (51 mm) or 4" (102 mm) widths
Brass Valve Tags	Custom Stamped - 1.5" (38 mm) round, square, triangle or hexagon; 2" (51 mm) round, square, triangle or octagon Stamped Color Filled, Custom Engraved, Blank, Stock - 1.5" (38 mm) round or square; 2" (51 mm) round or square
Aluminum, Stainless Steel Valve Tags	Custom Engraved, Custom Stamped, Blank or Engraved Anodized - 1.5" (38 mm) or 2" (51 mm) round or square Write-on - 1" (25.4 mm) round; 1.25" (32 mm) octagon Anodized Aluminum - 2" (51 mm) round
Plastic Valve Tags	Stamped Plastic - 1.125" (29 mm) octagon; 1.5" (38 mm) round; 1.125" (29 mm) square Color-Coded Numbered Tags - 1.75" (44 mm) or 2.5" (64 mm) diameter Color-Coded Plastic Tags - 3" (76 mm) diameter or 2.5" x 3.5" (64 x 89 mm) Engraved Seton-Ply - 1.5" (38 mm), 1.75" (44 mm), 2" (51 mm) or 2.5" (64 mm) diameter; 1.25" (32 mm), 1.5" (38 mm), 2" (51 mm), 2.5" (64 mm) square Fiberglass Tags - 2.5" x 4" high (64 x 102 mm) and 2" x 2" (51 x 51 mm)

5. Installation

Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer. Verify that site conditions are acceptable for installation. Do not proceed with installation until unacceptable conditions are corrected.

METHODS

Follow all manufacturer-recommended procedures for installation.

Mechanically-fastened Markers (Ultra-mark, Setmark)

- For pipes to 6" (152 mm) - Remove the first adhesive strip and wrap the band around the pipe; remove the second adhesive strip and attach to itself
- For pipes 6" (152 mm) or larger, wrap the band around the pipe and attach with nylon ties
- Install Ammonia markers in accordance with IIR Bulletin 114

Self-Adhesive Markers (Opti-Code, Poly-Code, Roll Form, Arrows-On-A-Roll)

- Remove the first adhesive strip and wrap the band around the pipe; remove the second adhesive strip and attach to itself
- To meet ANSI A13.1, use Arrows-On-A-Roll at each end of the marker to indicate the direction of flow

BUILDING CODES

Product installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

6. Availability & Cost

Seton Identification Products provides safety and identification products throughout the world. Contact the manufacturer or visit the www.seton.com website for availability and cost information.

7. Warranty

Complete warranty terms and conditions are available from the manufacturer. For details, contact Seton Identification Products or visit the www.seton.com website.

8. Maintenance

No special maintenance is required for properly installed product.

9. Technical Services

Contact Seton Identification Products or visit the www.seton.com website for additional product information, including technical assistance, product literature, test results, project lists or assistance in preparing project specifications.

10. Filing Systems

- SmartBuilding Index
- MANU-SPEC®
- Additional product information is available from the manufacturer upon request.