

Pipe Marking

Guideline for color and size identification in compliance with ANSI/ASME A13.1 standard

Classification & Color Scheme of Fluids

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

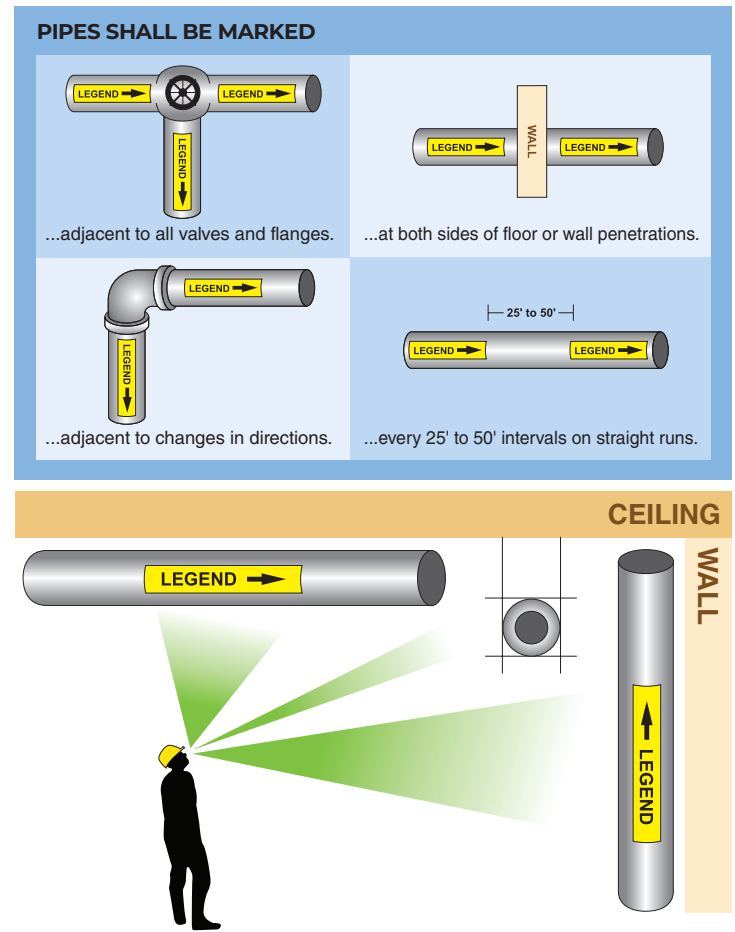
Sizing

Outside Diameter of Pipe or Covering	Length of Color Field	Letter Height
0.7" to 1.3" (19 - 33 mm)	8" (200 mm)	0.5" (13 mm)
1.4" to 2.4" (34 - 61 mm)	8" (200 mm)	0.7" (19 mm)
2.5" - 6.7" (62 - 170 mm)	12" (300 mm)	1.3" (32 mm)
6.8" - 10" (171 - 254 mm)	24" (600 mm)	2.5" (64 mm)
10" + (254 mm +)	32" (800 mm)	3.5" (89 mm)

*All info based on ANSI/ASME A13.1-2023

Visibility

"Markers shall be located so that they are readily visible to plant personnel from the point of normal approach." Brady pipe markers instantly tell you all you need to know about pipe contents, direction of flow and whether hazardous or safe.



Brady recommendations for marker placement



PIPE MARKING PROJECTS, DONE RIGHT

Streamline new construction or optimize existing facilities with expert pipe marking services from Brady

- Gain peace of mind from consultation to completion. For new construction, we provide precise take-offs and custom packaging to eliminate errors and speed installation. For existing facilities, our audits and installation services ensure compliance and a smooth upgrade.

Learn more at BradyID.com/PipeMarkingServices or contact your rep.

Pipe Marking Guide

Brady pipe marker products meet a wide variety of applications to help you comply with ANSI/ASME A13.1

Self-Sticking			Mechanically Applied				
							
B-946 Self-Sticking Marker	B-736 Self-Sticking Markers-To-Go	B-300 Plenum Rated Duct and Pipe Markers	B-915 Snap-On Marker	B-915 Strap-On Marker	B-689 Wrap-Around Marker	B-681 High-Performance High-Visibility Marker	B-983 LiftMark Pipe Marker Carrier™ Standoff Kits

Overview								
Marker Type	Premium self-adhesive marker for indoor or outdoor use in either individual markers or roll-form.	Economical self-adhesive roll-form markers for smooth, clean, dry pipe surfaces.	Premium self-adhesive individual marker and detachable arrow for use on HVAC plenums and ducts.	Non-adhesive coiled pipe marker "snaps" around pipe giving 360-degree visibility while remaining easily removable.	Non-adhesive vinyl marker applied with nylon strapping (included).	Wrap-around marker with an adhesive edge to secure marker. Repeating legend offers 360-degree visibility.	Polyester marker applied to a fiberglass carrier. Markers fasten to pipe with included mounting clips and strapping (sold separately).	Patented design lifts marker off pipe surface. Simply use nylon ties (sold separately) to attach standoffs to pipe and snap carrier in place.
Marker Material	Vinyl	Plastic film	Soft aluminum	Vinyl	Vinyl	Polyester	Fiberglass/plastic carrier with Polyester label	Plastic standoff & PVC or fiberglass carrier
Installation Type	Adhesive	Adhesive	Adhesive	Snap-on	Nylon strapping	Wrap-around with adhesive edge	Mounting clips (included) & strapping (sold separately)	Strapping (sold separately)
Outer Diameter	From less than 0.75" to greater than 8"	—	2" to 8" or larger	0.75" to 6"	6" to 15"	0.2" to 7.875"	8" or larger	Three sizes supporting 2", 4" and 8" or larger
Environment								
Indoor	✓	✓	✓	✓	✓	✓	✓	✓
Average Outdoor Durability	3 to 5 years	2 to 3 years	—	5 to 8 years	5 to 8 years	5 to 8 years	5 to 8 years	—
Surface Abrasion Resistance	✗	✗	✓	✗	✗	✓	✓	✓
Dirty, Dusty Surface	✗	✗	✗	✓	✓	✓	✓	✓
Rough Surface	✓	✗	✓	✓	✓	✓	✓	✓
Insulated Surface	✓	✓	✓	✓	✓	✓	✓	✓
Wet Surface	✗	✗	✗	✓	✓	✓	✓	✓
Greasy, Oily Surface	✗	✗	✗	✓	✓	✓	✓	✓
Chemical Resistance								
Organic Solvents (MEK, Acetone, Toluene)	✗	✗	✗	✗	✗	✗	✗	✗
Acids (Sulfuric, HCL, Acetic)	✗	✓	✗	✗	✗	✓	✓	✗
Alkalis (Sodium Hydroxide)	✗	✗	✓	✗	✗	✓	✓	✓
Alcohols (Methanol, Isopropanol)	✓	✓	✓	✓	✓	✓	✓	✓
Grease/Oils (SAE 20, ASTM #3)	✓	✓	✓	✓	✓	✓	✓	✓
Temperature								
Minimum Installation Temperature	0°F (-18°C)	50°F (0°C)	0°F (-18°C)	0°F (-18°C)	0°F (-18°C)	40°F (5°C)	0°F (-18°C)	0°F (-18°C)
Service Temperature	-40°F to 180°F (-40°C to 82°C)	-40°F to 212°F (-40°C to 100°C)	-40°F to 180°F (-40°C to 82°C)	-40°F to 180°F (-40°C to 82°C)	-40°F to 180°F (-40°C to 82°C)	-40°F to 248°F (-40°C to 120°C)	-40°F to 230°F (-40°C to 110°C)	-40°F to 248°F (-40°C to 120°C)
Special Properties								
Low PVC — Pipe Contact Point	✗	✗	✗	✗	✗	✓	✓	✓
Low PVC — Whole Marker	✗	✗	✗	✗	✗	✗	✓	✓
Low Halogen — Pipe Contact Point	✗	✗	✗	✗	✗	✓	✓	✓
Low Halogen — Whole Marker	✗	✗	✗	✗	✗	✗	✓	✓
Meets ANSI/ASME A13.1	✓	✓	✓	✓	✓	✓	✓	✓