

**QUALITY**

**SERVICE**

**SIMPLICITY**

# **KOLBI**

**PIPE MARKER CO.**

SINCE 1970

## **PRODUCT CATALOG**

**WHATEVER THE PROJECT, KOLBI HAS THE IDENTIFICATION PRODUCTS YOU NEED**

### **HOSPITALS**



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### **SCHOOLS**



**800-499-8450**

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## Thanks for Opening Our Catalog!

It was an unprecedented year for Kolbi and we're incredibly proud to have earned the trust of more customers than ever before and the opportunity to bring critical projects to life across hospitals, data centers, schools, and beyond. Every project matters. Whether it's supporting essential healthcare infrastructure, powering high-performance data environments, or ensuring safe, organized educational facilities, we understand what's at stake. That's why we treat every opportunity with the highest level of care and accountability.

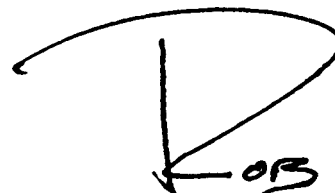
For us, trust is built through consistent delivery and exceeding expectations. Everything we do is grounded in three unwavering principles: Quality, Service, and Simplicity.

Our mission is to simplify your experience—no matter the complexity of your project.

We achieve this by:

- Delivering exceptional quality so you receive exactly what you need, every time.
- Ensuring seamless service from hospitals to campuses to data centers, we make doing business with us straightforward and dependable.
- Prioritizing simplicity and streamlining every step, from order to delivery, so you can stay focused on your project.

The entire Kolbi team is grateful for your partnership, and we're committed to proving you made the right choice for project after project.



Rob Seitz  
President and Owner  
Kolbi Pipe Marker Co.



# Mechanical Identification Standards

Over a century ago (1908), The American Society of Mechanical Engineers (ASME) saw the need to develop standards for the identification of piping. Since then, The American National Standards Institute (ANSI) and ASME have developed and improved the standards with the objective of “establishing a common system to assist in identification of hazardous materials conveyed in piping systems and their hazards when released in the environment.” The standard also aims to “promote greater safety and lessen the chances of error, confusion, or inaction, especially in times of emergency”.

The most current standard is the ASME A13.1-2023: Scheme for the Identification of Piping Systems. The standard establishes six requirements for the proper identification of piping systems: Marker size, letter height, color, legend (wording), directional arrow, and placement. The most recent 2023 update includes new guidelines for color designations of some services.

## How Are Marker Size and Letter Height Determined?

The marker size and letter height are determined by the overall pipe diameter, including insulation. Marker length or color field requirements can be met by including an arrow or arrow banding tape. Letter height requirements are designed for optimum visibility on a pipe and adequate viewing distance. See Table 1 – Marker and Letter Size References.

**TABLE 1:** Marker and Letter Size References

Outside Diameter of Pipe Covering		Length of Color Field		Letter Height	
0.7" - 1.3"	18 - 33 mm	8"	203 mm	0.5"	13 mm
1.4" - 2.4"	34 - 61 mm	8"	203 mm	0.7"	19 mm
2.5" - 6.7"	62 - 170 mm	12"	305 mm	1.3"	32 mm
6.8" - 10"	171 - 254 mm	24"	610 mm	2.5"	64 mm
Over 10"	Over 254 mm	32"	813 mm	3.5"	89 mm

## What Do The Colors Signify?

Marker colors are for more than just looks. The colors help to easily identify the inherent danger of the piping contents. There are eleven color designations, six standard and five user defined. See Table 2 – “Color Designations”.

**Table 2:** Color Designations

Fluid Service	Letters & Colors
Firefighting	<b>LETTERS</b>
Toxic or Corrosive	<b>LETTERS</b>
Flammable, Combustible or Oxidizing	<b>LETTERS</b>
Steam or Steam Condensate, Boiler feedwater or other Hot Water	<b>LETTERS</b>
Potable, Cooling, Boiler Feed, Other Cold or Tepid Water	<b>LETTERS</b>
Compressed Air	<b>LETTERS</b>
Defined By User	<b>LETTERS</b>
Defined By User	<b>LETTERS</b>
Defined By User	<b>LETTERS</b>
Defined By User	<b>LETTERS</b>
Defined By User	<b>LETTERS</b>

## How Is The Legend Determined?

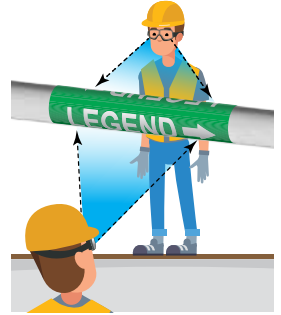
The wording can be the full or abbreviated name of the system content. The standard indicates “Legends shall be brief, informative, pointed, and simple for greatest effectiveness.” The legend should have “sufficient additional details such as temperature, pressure, etc., as are necessary to identify the hazard.” (Flip over to see a list of standard wordings. Custom wordings are also available.)

## Why Use Directional Arrows?

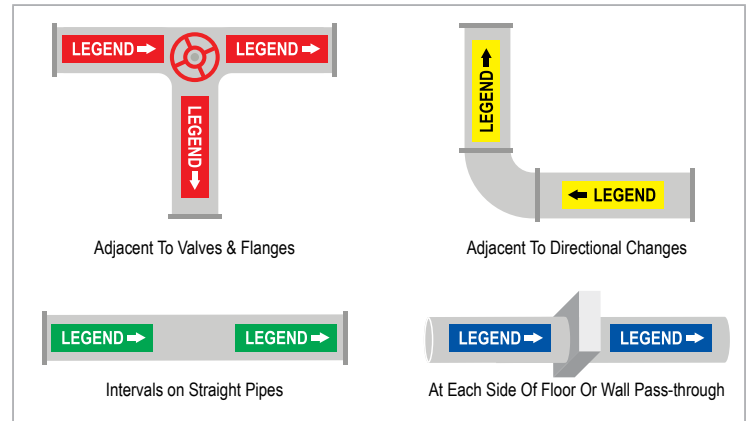
Arrows are used to show the directional flow of the piping contents. If flow can be in both directions, arrows in both directions should be used. (Kolbi’s Wrap-Around Markers include arrows. Adhesive Markers comply when used with Arrow Banding Tape or Individual Arrows)

## Where Do The Markers Go?

Marker placement is required to assure visibility and should be positioned so that they are visible to personnel from a normal point of approach. Where pipes are located above or below the normal line of vision, the lettering should be placed above or below the horizontal centerline of the pipe. See Table 3 “Location of Identification Markers”.



**Table 3:** Location of Identification Markers



## Do I Use GHS Pictograms?

The use of GHS pictograms or symbols is optional. Where piping is connected to containers labeled in accordance with GHS requirements, a corresponding label which includes pictograms may be provided. See Table 4 - Standard GHS Pictograms.

**Table 4:** GHS Pictograms

HEALTH HAZARD	FLAMMABLE	HARMFUL	TOXIC	OXIDIZING	COMPRESSED GAS	CORROSIVE	EXPLOSIVE	ENVIRONMENT HAZARD

## What About Marking Abandoned Piping?

ANSI/ASME standards recommend marking abandoned piping left in place. These should be marked with a safety white marker with black letters and include a black border. If the piping is protected by pressurized fluid or contains residual hazardous materials, the legend should indicate that.



# Standard Legends

The standard legends on this page are designed to comply with the ANSI/ASME Standard A13.1 - 2023 for identification of piping systems. These legends are available as standard markers for:



Adhesive Pipe Markers (see page 6)



Wrap Around Pipe Markers (see page 12)

REF #	LEGEND	REF #	LEGEND	REF #	LEGEND	REF #	LEGEND	REF #	LEGEND
L355	110° HOT WATER RETURN	L147	CONDENSER WATER	L524	GLYCOL RETURN	L231	INSTRUMENT AIR	L354	RETURN
L500	110° HOT WATER RETURN	L145	CONDENSER WATER RETURN	L195	GLYCOL SUPPLY	L232	LAB AIR	L293	ROOF DRAIN
L601	110° HOT WATER RETURN	L146	CONDENSER WATER SUPPLY	L525	GLYCOL SUPPLY	L234	LAB VACUUM	L291	SANITARY DRAIN
L361	110° HOT WATER SUPPLY	L150	COOLING WATER	L201	HEAT PUMP RETURN	L230	LAB VENT	L292	SANITARY SEWER
L501	110° HOT WATER SUPPLY	L148	COOLING WATER RETURN	L202	HEAT PUMP SUPPLY	L544	LAB VENT	L294	SANITARY VENT
L602	110° HOT WATER SUPPLY	L149	COOLING WATER SUPPLY	L208	HEATING HOT WATER RETURN	L233	LAB WASTE	L295	SANITARY WASTE
L357	140° HOT WATER RETURN	L153	DEIONIZED WATER	L526	HEATING HOT WATER RETURN	L545	LAB WASTE	L297	SNOWMELT RETURN
L502	140° HOT WATER RETURN	L158	DISTILLED WATER	L609	HEATING HOT WATER RETURN	L238	LOW PRESSURE CONDENSATE	L298	SNOWMELT SUPPLY
L603	140° HOT WATER RETURN	L161	DOMESTIC COLD WATER	L210	HEATING HOT WATER SUPPLY	L546	LOW PRESSURE CONDENSATE	L300	SOFT WATER
L364	140° HOT WATER SUPPLY	L159	DOMESTIC COLD WATER RETURN	L527	HEATING HOT WATER SUPPLY	L620	LOW PRESSURE CONDENSATE	L303	SOLAR RETURN
L351	140° HOT WATER SUPPLY	L160	DOMESTIC COLD WATER SUPPLY	L610	HEATING HOT WATER SUPPLY	L240	LOW PRESSURE STEAM	L304	SOLAR SUPPLY
L604	140° HOT WATER SUPPLY	L166	DOMESTIC HOT WATER	L204	HEATING RETURN	L547	LOW PRESSURE STEAM	L307	SPRINKLER
L559	ABANDONED	L511	DOMESTIC HOT WATER	L528	HEATING RETURN	L621	LOW PRESSURE STEAM	L309	SPRINKLER WATER
L100	ACID	L605	DOMESTIC HOT WATER	L611	HEATING RETURN	L246	MAKE-UP WATER	L316	STEAM
L503	ACID	L175	DOMESTIC HOT WATER RECIRC	L207	HEATING SUPPLY	L247	MEDICAL AIR	L551	STEAM
L102	ACID VENT	L512	DOMESTIC HOT WATER RECIRC	L529	HEATING SUPPLY	L510	MEDICAL VACUUM	L626	STEAM
L504	ACID VENT	L606	DOMESTIC HOT WATER RECIRC	L612	HEATING SUPPLY	L249	MEDIUM PRESSURE CONDENSATE	L317	STEAM CONDENSATE
L105	ACID WASTE	L174	DOMESTIC HOT WATER RETURN	L211	HEATING WATER RETURN	L622	MEDIUM PRESSURE CONDENSATE	L552	STEAM CONDENSATE
L505	ACID WASTE	L513	DOMESTIC HOT WATER RETURN	L530	HEATING WATER RETURN	L250	MEDIUM PRESSURE STEAM	L627	STEAM CONDENSATE
L111	AIR	L607	DOMESTIC HOT WATER RETURN	L613	HEATING WATER RETURN	L548	MEDIUM PRESSURE STEAM	L310	STEAM RETURN
L115	AMMONIA	L172	DOMESTIC HOT WATER SUPPLY	L531	HEATING WATER SUPPLY	L623	MEDIUM PRESSURE STEAM	L628	STEAM RETURN
L506	AMMONIA	L514	DOMESTIC HOT WATER SUPPLY	L532	HEATING WATER SUPPLY	L255	NATURAL GAS	L319	STEAM SUPPLY
L118	ARGON	L608	DOMESTIC HOT WATER SUPPLY	L614	HEATING WATER SUPPLY	L256	NATURAL GAS 2 PSI	L553	STEAM SUPPLY
L119	ASBESTOS FREE	L165	DOMESTIC WATER	L533	HIGH PRESSURE CONDENSATE	L258	NITROGEN	L629	STEAM SUPPLY
L120	BOILER BLOW DOWN	L515	DOMESTIC WATER	L534	HIGH PRESSURE CONDENSATE	L259	NITROGEN	L313	STORM DRAIN
L121	BOILER FEED WATER	L167	DRAIN	L535	HIGH PRESSURE GAS	L260	NITROUS OXIDE	L314	STORM SEWER
L122	CARBON DIOXIDE	L516	DRAIN	L536	HIGH PRESSURE STEAM	L262	NON-POTABLE WATER	L315	STORM WATER
L507	CARBON DIOXIDE	L152	DUAL TEMP RETURN	L537	HIGH PRESSURE STEAM	L549	NON-POTABLE WATER	L320	SUMP PUMP DISCHARGE
L124	CARBON DIOXIDE	L517	DUAL TEMP RETURN	L615	HIGH PRESSURE STEAM	L560	NON-POTABLE WATER	L321	SUPPLY
L131	CHILLED WATER	L157	DUAL TEMP SUPPLY	L538	HOT WATER	L266	OXYGEN	L554	SUPPLY
L352	CHILLED WATER RETURN	L518	DUAL TEMP SUPPLY	L539	HOT WATER	L267	PLANT AIR	L328	TEMPERED WATER
L129	CHILLED WATER SUPPLY	L176	FILTERED WATER	L616	HOT WATER	L268	POTABLE COLD WATER	L555	TEMPERED WATER
L133	CHLORINE	L519	FIRE DAMPER	L223	HOT WATER RETURN	L269	POTABLE HOT WATER	L326	TOWER WATER
L508	CHLORINE	L520	FIRE PROTECTION	L540	HOT WATER RETURN	L624	POTABLE HOT WATER	L324	TOWER WATER RETURN
L134	CITY WATER	L180	FIRE PROTECTION WATER	L617	HOT WATER RETURN	L273	POTABLE WATER	L325	TOWER WATER SUPPLY
L137	COLD WATER	L181	FIRE SPRINKLER WATER	L224	HOT WATER SUPPLY	L276	PROCESS WATER	L329	VACUUM
L135	COLD WATER RETURN	L188	FUEL OIL	L541	HOT WATER SUPPLY	L279	PROPANE GAS	L556	VACUUM
L136	COLD WATER SUPPLY	L185	FUEL OIL RETURN	L618	HOT WATER SUPPLY	L280	PUMPED CONDENSATE	L331	VENT
L138	COMPRESSED AIR	L186	FUEL OIL SUPPLY	L225	HYDROGEN	L550	PUMPED CONDENSATE	L557	VENT
L139	COMPRESSED AIR	L189	GAS	L542	HYDROGEN	L625	PUMPED CONDENSATE	L332	WASTE
L142	CONDENSATE	L521	GEOTHERMAL WATER RETURN	L128	INDUSTRIAL COLD WATER	L282	RAIN WATER	L558	WASTE
L509	CONDENSATE	L522	GEOTHERMAL WATER SUPPLY	L127	INDUSTRIAL HOT WATER	L283	REFRIGERANT	L334	WASTE
L143	CONDENSATE DRAIN	L191	GLYCOL	L543	INDUSTRIAL HOT WATER	L287	REFRIGERANT LIQUID	L336	WASTE WATER
L353	CONDENSATE DRAIN	L523	GLYCOL	L619	INDUSTRIAL HOT WATER	L288	REFRIGERANT SUCTION	L339	WATER
L103	CONDENSATE RETURN	L190	GLYCOL RETURN	L125	INDUSTRIAL WATER	L290	RETURN	L340	WELL WATER



# Pipe Marker Buying Guide

## KOLBI PIPE MARKER CO.

Not all projects or applications are the same, so Kolbi offers a variety of pipe marking products. The Buying Guide is designed so you can easily compare our three most commonly specified pipe markers.



### ADHESIVE PIPE MARKERS

### WRAP-AROUND PIPE MARKERS

### HIGH-PERFORMANCE PIPE MARKERS

How To Apply	Stick-on	Snap-on	Wrap-around
<b>Application Method</b> (under 6" OD)	Permanent Adhesive	Precoiled	Precoiled with adhesive strip
<b>Application Method</b> (over 6" OD)	Permanent Adhesive	Precoiled or Nylon Straps	Precoiled or Stainless Steel Straps
<b>Surface Preparation</b>	Clean, Dry Surface	Any Surface	Any Surface
<b>Application Temperature</b>	Above 50° F	Above 0° F	Above 32° F
<b>Outdoor Durability</b>	Good	Very Good	Great
<b>UV Protection</b>	Good	Good	Great
<b>Expected Outdoor Life</b>	Up to 3 years	Up to 5 years	Up to 8 years
<b>Expected Indoor Life</b>	Indefinite	Indefinite	Indefinite
<b>Integrated Arrows</b>	Available with or without	Yes	Yes
<b>Material</b>	Vinyl	Semi-rigid Vinyl	Polyester
<b>Overlaminates</b>	Vinyl - Optional	Vinyl - Optional	Polyester - Included
<b>Service Temperature</b>	-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)
<b>ANSI/ASME A13.1 Compliant</b>	Yes*	Yes	Yes
<b>Visibility</b>	Front view only	360 View**	360 View**
<b>Abrasion Resistance</b>	Good	Very Good	Great
<b>Chemical Resistance</b>	Good	Good	Great
<b>Available Colors</b>	All A13.1 Colors	All A13.1 Colors	All A13.1 Colors
<b>Custom Wording Available</b>	Yes	Yes	Yes
<b>Custom Colors Available</b>	Yes	Yes	Yes
<b>Custom Size Available</b>	Yes	Yes	Yes
<b>Submittal Available</b>	Yes	Yes	Yes
<b>Application Time</b>	2+ Minutes	5 - 10 Seconds ***	20 - 30 Seconds***

\*When used with an arrow or arrow tape \*\* Front view for pipes over 6"OD \*\*\*Strap-on markers will take longer

# Adhesive Markers

## Pipe Markers

Kolbi adhesive markers are constructed of durable outdoor grade vinyl to withstand the elements. Our permanent, pressure sensitive adhesive will adhere to most clean/dry surfaces and stay there for many years. All markers are made for easy removal from the liner. With 200 standard wording/color combinations, you'll find what you need.

- Durable pressure sensitive vinyl with permanent adhesive
- Rated for indoor or outdoor use
- Service temperature range of -40°F to 180°F
- Made using UV resistant ink and material
- Up to 3 years outdoor life expectancy
- Application: Clean and dry surface above 50°F
- Available in all standard legends (see page 4)
- Meets ASME/ANSI standards when used with arrow banding tape or individual arrows (see page 7)



EASILY PEELED FROM BACKING



EASILY APPLIED TO CLEAN DRY SURFACE

Style	Pipe OD Incl. Insulation	Marker Size	Letter Size
A	0.7" - 1.3"	1"x9"	0.5"
B	1.4" - 2.4"	1"x9"	0.75"
C	2.5" - 6.7"	2"x14"	1.3"
D	6.8" - 10"	3"x24"	2.5"
E	Over 10"	4"x32"	3.5"

## Custom Pipe Markers

When our standard legends don't exactly meet your needs, then it is time for Kolbi's Custom Pipe Markers. Custom Pipe Markers allow you to choose the size, colors, and wording you need for your project. You won't find any set-up charges or minimums here, just the exact markers you need.

- Durable pressure sensitive vinyl with permanent adhesive
- Rated for indoor or outdoor use
- Service temperature range of -40°F to 180°F
- Made using UV resistant ink and material
- Up to 3 years outdoor life expectancy
- Application: Clean and dry surface above 50°F
- Meets ASME/ANSI standards when used with arrows on a roll or individual arrows (see page 7)



Style	Pipe OD Incl. Insulation	Marker Size	Letter Size
A	0.7" - 1.3"	9"	0.5"
B	1.4" - 2.4"	9"	0.75"
C	2.5" - 6.7"	14"	1.3"
D	6.8" - 10"	24"	2.5"
E	Over 10"	32"	3.5"



## Arrow Banding Tape

The most effective way to install adhesive pipe markers. Arrow Banding Tape indicates directional flow to your pipe marker installation and provides additional adhesion in any environment.



- Durable pressure sensitive vinyl with permanent adhesive
- Long 30 yard rolls
- Up to 3 years outdoor life expectancy
- Application: Clean and dry surface above 50° F
- Used with adhesive markers to meet ASME/ANSI standards
- Available in all standard ASME/ANSI color combinations (see page 3)

### BANDING TAPE CHART

Diameter*	Markers**
1"	130
2"	74
3"	52
4"	40
5"	32
6"	27
7"	23
8"	21
9"	18
10"	17

\* Diameter includes insulation  
 \*\* Includes 1" overlap per band



Roll Size	Pipe Diameter (includes insulation)	Arrow Size
1" Tape	For less than 1.3"	0.5"
1" Tape	1.4" - 2.4"	0.75"
2" Tape	2.5" - 6.7"	1.3"
3" Tape	6.8" - 10"	2.5"
4" Tape	Over 10"	3.5"

Combine quantities for best pricing.



Roll Width	Character Sizes Available	PRICING		
		1-9	10-24	25+
1"	0.75" 1" 2"	23.11	20.80	18.03
2"	1" 2" 4"	23.11	20.80	18.03
3"	4" 6" 8"	44.26	39.83	34.52
4"	6" 8" 10"	63.40	57.06	49.45

## Pipe Diameter Tape

When specifications call for pipe diameter to be included with system designation, Kolbi's Pipe Diameter Tape is the easy solution.

- Eliminates the need for custom pipe markers
- Available in the most common pipe sizes
- Use on left side of marker and standard arrow tape on right side
- Meets ANSI/ASME A13.1 requirement for directional flow when used with arrow tape on one side
- Other size/color combinations available

## Individual Arrows

Designed to be used with Adhesive Pipe Markers (see page 6). These arrows are easy to apply and provide the necessary directional flow needed to meet ASME/ANSI standards.

- Durable pressure sensitive vinyl with permanent adhesive
- Service temperature range of -40°F to 180°F
- Up to 3 years outdoor life expectancy
- Application: clean and dry surface above 50°F
- Meets ASME/ANSI standards when used with adhesive pipe markers (see page 6)
- Available in all standard ASME/ANSI color combinations (see page 3)



SIZES MATCH ADHESIVE MARKERS (SEE PAGE 5)

Style	Dimensions	Arrow Size
AA	1" x 1-1/2"	0.5"
BA	1" x 3"	0.75"
CA	2" x 4-1/2"	1.3"
DA	3" x 6"	2.5"
EA	4" x 7-1/2"	3.5"

# Adhesive Markers

## Roll Style Pipe Markers

Roll-Mark Pipe Markers are convenient and economical. Great to keep in your truck or to carry onto a job site. Each roll contains 50 individual markers and 50 detachable arrows. The arrows are perforated to easily remove and reposition based on flow. Available in all the standard legends below or customized for your specific project requirements. Durable pressure sensitive vinyl with permanent adhesive

- Durable pressure sensitive vinyl with permanent adhesive
- Service temperature range -40°F to 180°F
- Application: Clean and dry surface above 50 F
- Available in 2 sizes
- Meets ANSI/ASME standards for color, size, and letter height
- Large 30' rolls containing 50 markers and 50 arrows
- Available in standard legends below



Width	Pipe OD Incl. Insulation	Letter Height
1"	1.4" - 2.4"	0.75"
2"	2.5" - 6.7"	1.3"

### Standard Legends and Colors

(For Roll-Mark Pipe Markers, Markers on a Roll, Mini Markers and Markers with Arrows)

CHILLED WATER	DOMESTIC HOT WATER	HOT WATER RETURN	RETURN
CHILLED WATER RETURN	DOMESTIC HOT WATER	HOT WATER RETURN	SANITARY DRAIN
CHILLED WATER SUPPLY	DRAIN	HOT WATER SUPPLY	SANITARY SEWER
COLD WATER	HEATING RETURN	HOT WATER SUPPLY	SPRINKLER FIRE
CONDENSATE	HEATING SUPPLY	NON-POTABLE WATER	SPRINKLER WATER
CONDENSATE RETURN	HOT WATER	POTABLE WATER	STEAM
DOMESTIC COLD WATER	HOT WATER	PROCESS WATER	STORM DRAIN
COLD WATER SUPPLY	COLD WATER RETURN	DOMESTIC HOT WATER SUPPLY	DOMESTIC HOT WATER SUPPLY
DOMESTIC COLD WATER SUPPLY	DOMESTIC HOT WATER RETURN	DOMESTIC HOT WATER RETURN	DOMESTIC COLD WATER RETURN

## Markers on a Roll

Markers on a Roll allow you to adjust to any size pipe and still provide full 360 degree coverage. They can be applied with full adhesive coverage or when the liner is left on, adhere to themselves, eliminating the need for a clean and dry surface.

- Durable pressure sensitive vinyl with permanent adhesive
- Service temperature range -40°F to 180°F
- Application: Clean and dry surface above 50°F
- Alternating wording allows application for either direction
- 8" and 12" rolls meet ASME/ANSI standards for color field and letter height
- Large 30' rolls
- Available in standard legends above



Width	Letter Height
*5"	0.5"
8"	0.75"
12"	1.25"

\*5" does not meet ANSI Standards.



## Mini Markers

Kolbi Mini Markers are designs for smaller pipe applications. These ½" x 2-1/2" markers are perfect when a traditional marker is too large. Available in the most commonly requested legends, custom, or blank when color coding is required.

- 10 – ½" x 2-1/2" markers per card
- ¼" letter height
- Available in all standard legends on page 8
- Matching arrow cards also available
- Durable pressure sensitive vinyl with permanent adhesive
- Service temperature range -40°F to 180°F
- Application: Clean and dry surface above 50°F
- See standard legends on page 8
- Custom legends available



## Markers with Arrows

These markers simplify the installation process by including the arrow right on the marker. The marker has tick marks indicating where it can be cut, allowing the arrow to be applied in the opposite direction when needed.

- Durable pressure sensitive vinyl with permanent adhesive
- Service temperature range of -40°F to 180°F
- Up to 3 years outdoor life expectancy
- Application: Clean and dry surface above 50°F
- Meets ASME/ANSI standards
- Available in standard legends on page 8



Style	Pipe Diameter (includes insulation)	Letter Size	Marker Size
FA	0.7" - 1.3"	0.5"	9"
FB	1.4" - 2.4"	0.75"	9"
FC	2.5" - 6.7"	1.3"	14"
FD	6.8" - 10"	2.5"	24"
FE	Over 10"	3.5"	32"

# Underground & Non-Potable Identification

## Non-Potable Pipe Marking

Kolbi's Non-Potable Pipe Marking products are designed to last in aboveground or underground applications. They meet International Plumbing Code, Uniform Plumbing Code and California Plumbing Code requirements for marking non-potable water systems.

- Durable Outdoor grade pressure sensitive vinyl
- Meets IPC, UPC, and CA Plumbing Code requirements
- Meets ANSI/ASME A13.1 requirements for piping system identification
- Service temperature range -40F to 180F
- 2 types of markers available: roll style (for full pipe coverage) or individual markers (see Adhesive Markers on page 6)
- All wordings required in plumbing codes available (pictograms included)
- Custom wording and colors available



Standard Worded Rolls
2" x 30 Yard Roll
3" x 30 Yard Roll
4" x 30 Yard Roll

Custom Worded Rolls
2" x 30 Yard Roll
3" x 30 Yard Roll
4" x 30 Yard Roll

Color	Legend	Pictogram
WHITE	POTABLE WATER	No
BLACK	CAUTION: NONPOTABLE WATER, DO NOT DRINK	Yes
BLACK	CAUTION: NONPOTABLE GRAY WATER, DO NOT DRINK	Yes
BLACK	CAUTION: NONPOTABLE RECLAIMED (RECYCLED) WATER, DO NOT DRINK	Yes
BLACK	CAUTION: ON-SITE TREATED NONPOTABLE WATER, DO NOT DRINK	Yes
BLACK	CAUTION: NONPOTABLE RAINWATER, DO NOT DRINK	Yes
YELLOW	CAUTION: NONPOTABLE GRAY WATER, DO NOT DRINK	Yes
YELLOW	CAUTION: ON-SITE TREATED NONPOTABLE WATER, DO NOT DRINK	Yes
YELLOW	CAUTION: NONPOTABLE RAINWATER, DO NOT DRINK	Yes

## Underground Warning Tape



### Detectable Tape

Easily identify the location of buried pipes by using a metal detector. Brightly colored metal tape can be identified by sight or via metal detector.

- 5 mil thick tape, 1000' per roll
- Contains a solid aluminum foil core
- Meets APWA standards
- 3" tape recommended at depths less than 24"
- 6" tape recommended at depths greater than 24"



### Non-Detectable Tape

Create a visual barrier when digging for a buried pipe. Boldly colored tape is easily visible when uncovered.

- 4 mil thick tape, 1000' per roll
- Contains no lead (organic material)
- Meets APWA standards

### Underground Warning Tape Legends and Colors

Detectable\Non-Detectable			Style
CAUTION BURIED CABLE LINE BELOW	CAUTION BURIED FUEL LINE BELOW	CAUTION BURIED SEWER LINE BELOW	3" Detectable Tape
CAUTION BURIED COMMUNICATION LINE BELOW	CAUTION BURIED GAS LINE BELOW	CAUTION BURIED UTILITY LINE BELOW	
CAUTION BURIED COMMUNICATION LINE BELOW	CAUTION BURIED HIGH VOLTAGE LINE BELOW	CAUTION BURIED WATER LINE BELOW	6" Detectable Tape
CAUTION BURIED FIBER OPTIC CABLE BELOW	CAUTION CAUTION CAUTION	CAUTION BURIED PIPELINE BELOW	
CAUTION BURIED POTABLE WATER LINE BELOW	CAUTION BURIED NONPOTABLE WATER LINE BELOW	CAUTION BURIED ALTERNATIVE WATER SOURCE BELOW	3" Non-Detectable Tape
			6" Non-Detectable Tape



# Medical Gas Identification

## Medical Gas Markers

Kolbi's Self-Adhesive Vinyl Medical Gas Markers come in two convenient sizes, are easy to install, and comply with NFPA 99C/CGA C-9 standards for medical gas pipe labeling.

- Meets 2021 NFPA 99C/CGA C-9 standards
- Pressure sensitive vinyl with permanent adhesive
- Designed to fully wrap around pipes less than 1" diameter
- Temperature range of -40°F to 180°F
- 3/8" letters
- Up to 3 year life expectancy
- 2 sizes available: 3" x 3" and 3/4" x 2"



Style	Priced
3" x 3"	Per Label
3/4" x 2"	Per Card (10)

Legends and Colors For Medical Gas Markers and Tags

CARBON DIOXIDE	LABORATORY VACUUM	NITROGEN	NONMEDICAL VACUUM
HELIUM	MEDICAL AIR	NITROUS OXIDE	OXYGEN
INSTRUMENT AIR	MEDICAL VACUUM	NITROUS OXIDE 50 PSI	OXYGEN / CO2
LABORATORY AIR	MED-SURG WAGD	NONMEDICAL AIR	WAGD



## Medical Gas Markers On A Roll

The same markers as shown above on a convenient roll for larger applications.

- 3" x 3" adhesive marker
- 250 markers per roll
- Includes directional arrows
- 3/8" letter size
- Alternating legends go either direction
- Available in all legends listed above

## Medical Gas Tags

Used in conjunction with Medical Gas labels. Medical Gas Valve tags are easy-to-install, with beaded chain, and come with an information box for filling in what the valve serves.

- 3" x 5-3/4" .015 semi-rigid plastic
- Brass grommet for added strength
- 2021 NFPA-99C and CGA 9-C compliant for color
- Available in all legends above
- Permanent markers suggested for writing on tags
- Available in all legends above



# Duct Identification

## Duct Markers

Kolbi Duct Markers are specifically designed to meet your project's duct marking requirements. They are available in three styles and standard legends to make ordering fast and simple.

- Pressure sensitive vinyl with permanent adhesive
- DC and DM have 1-1/4" letters, DD have 2-1/2" letters
- Temperature range of -40°F to 180°F
- Application: Clean and dry surface above 50°F
- Custom legends and colors available



### Duct Marker Legends and Colors

	OUTSIDE AIR
	RELIEF AIR
	RETURN AIR
EXHAUST AIR	RETURN AIR
INTAKE AIR	SUPPLY AIR
LAB AIR	SUPPLY AIR

All DM Style Markers include arrows

Style	Size	Letter Height
DC	2" x 14"	1-1/4"
DM (includes arrow)	4" x 10"	1-1/4"
DD	3" x 24"	2-1/2"
CA (arrow only)	2" x 4-1/2"	1-1/4"
DA (arrow only)	3" x 6"	2-1/2"

## Engraved Plastic Duct Markers

When your specifications require plastic duct identification. See page 14 for custom engraved products.



## Plenum Rated Duct Labels

Plenum markers are made of 2 mil aluminum and are designed for labeling duct work and piping located in the plenum. Our plenum markers meet the requirements of E-84-03 "Standard Test Method" for surface burning characteristics of building materials, come in three standard sizes that are per ANSI/ASME standards and come with an easy peel paper backed liner.

- 2 mil aluminum with high tack permanent pressure sensitive adhesive
- Meets STM E 84 "Standard Method of Test for Surface Burning Characteristics of Building Materials"
- Meets NFPA 101 Life Safety Code for Class A materials and is approved for use in air handling plenums
- Arrows can be ordered individually or pre-printed on the marker
- Marker can be ordered in natural aluminum or one of our other standard colors to meet ANSI/ASME standards for pipe label colors
- Temp range: -50°F to 350°F

Color Combinations	
BLACK	WHITE
WHITE	BLACK
WHITE	WHITE



Plenum Duct Labels	Marker Size	Letter Height
Style PB	1" x 9"	.75"
Style PC	2" x 14"	1.25"
Style PD	3" x 24"	2.5"

Individual Arrows		
Style PBA	1"x3"	.75"
Style PCA	2"x4-1/2"	1.25"
Style PDA	3"x6"	2.5"

# High Performance Markers

## High Performance Pipe Markers

Kolbi High Performance Markers are manufactured to withstand high temperatures, harsh chemicals and intense UV exposure. No surface preparation, cleaning or drying of the pipes is necessary with our High Performance Markers allowing them to install much faster than a traditional self-adhesive label.

- Made of 5 mil polyester, UV resistant ink and 1 mil Polyester overlamine to ensure chemical and UV resistance
- Up to 8 years outdoor life expectancy
- Rated from -40°F to 248°F (-40°C to 120°C)
- Sizes HPA through HPG coil completely around the pipe and are secured tight with an attached adhesive strip. Sizes HPPF and HPGF come flat and strap on with included self-locking 316 Stainless Steel straps
- 360° View on pipes for sizes HPA through HPG
- Arrows included on every marker to indicate flow direction
- Meets ANSI/ASME standards



Kolbi Style	ANSI/ASME 2015	ANSI/ASME 2020	Letter Size	Marker Length around the pipe (circumference)	Marker Width	Type	Installation Method
	Pipe OD Incl. Insulation	Pipe OD Incl. Insulation					
HPA	Less than 1/2"	less than 0.5"	0.25"	2"	4"	Precoiled	Adheres to itself with adhesive strip
HPB	1/2" - 1-1/4"	0.5" - 1.3"	0.5"	5"	8"	Precoiled	Adheres to itself with adhesive strip
HPC	1-3/8" - 2-3/8"	1.4" - 2.4"	0.75"	9"	8"	Precoiled	Adheres to itself with adhesive strip
HPD	2-1/2" - 4-7/8"	2.5" - 4.9"	1.3"	17"	12"	Precoiled	Adheres to itself with adhesive strip
HPE	5" - 7-7/8"	5" - 6.7"	1.3"	26"	12"	Precoiled	Adheres to itself with adhesive strip
HPPF	8" - 10"	6.8" - 10"	2.5"	10"	24"	Flat with strap	Straps on with self locking 316 stainless steel strap
HPGF	10" +	10" +	3.5"	12"	32"	Flat with strap	Straps on with self locking 316 stainless steel strap
HPF*	8" - 10"	8" - 10"	2.5"	34"	24"	Flat - coil on site	Adheres to itself with adhesive strip
HPG*	10" - 14"	10" - 14"	3.5"	46"	32"	Flat - coil on site	Adheres to itself with adhesive strip

\*HPF & HPG markers come flat and wrap completely around the pipe by the installer.

## Stencils

Durable and reusable stencils for your project. Stencils are available in seven different letter heights and variable lengths to meet almost every project requirement.

- .010" flexible polyester material
- Laser cut for accuracy and a clean cut
- Priced by letter height and number of characters

Style	Letter Height
SA	1/2"
SB	3/4"
SC	1"
SD	1-1/4"
SE	2"
SF	2-1/2"
SH	3-1/2"

For additional letter heights or more than 30 characters, call for pricing



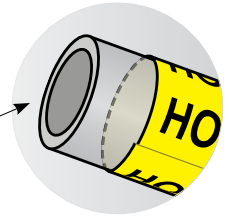
# Wrap Around Markers

## Wrap Around Markers

Kolbi's Wrap Around Pipe Markers are designed for speed of installation, improved durability and increased safety. Our pre-coiled, semi-rigid vinyl markers simply snap onto pipes, significantly reducing installation time over adhesive markers. These markers easily go over dirty/greasy pipes or insulation without any cleaning or preparation.

- Alternating layouts allow markers to be used in either direction
- Legend is viewable from 360° for pipes less than 6"
- Arrows included on marker
- Up to 5 years outdoor life expectancy. UV Overcoat for further protection available upon request
- Service temperature -40° F to 180° F
- Can be quickly adjusted or reapplied
- Meets ASME/ANSI standards
- Available in 8 sizes to fit any pipe
- Markers for pipe diameter over 6" ship flat
- Available in all standard legends (see page 4)

FIRMLY SNAPS  
AROUND PIPE FOR  
EASY INSTALLATION



Kolbi Style	Pipe OD Incl. Insulation	Letter Size	Marker Width	Shape
WA	0.75" - 1"	0.5"	8"	Coiled
WB	1.1" - 2.4"	0.75"	8"	Coiled
WC	2.5" - 3.3"	1.3"	12"	Coiled
WD	3.4" - 4.5"	1.3"	12"	Coiled
WE	4.6" - 5.9"	1.3"	12"	Coiled
WF*	6" - 6.7"	1.3"	12"	Flat*
WG*	6.8" - 10"	2.5"	24"	Flat*
WH*	Over 10"	3.5"	32"	Flat*

\*Ships flat with nylon ties included.

### Coiled Wrap Around Markers



### Flat Wrap Around Markers



## Large Diameter Fully-Coiled Markers

Kolbi's Large Diameter Fully-Coiled Pipe Markers are designed for pipes up to 16" O.D. These markers provide full 360° coverage and snap into place without the need for straps or additional hardware. The coiled design simplifies installation, reduces labor time, and helps meet specification requirements without extra coordination or rework.

- 360° coverage for full visibility around the pipe
- Fully coiled design snaps in place—no straps required
- Installs quickly, reducing labor time and installation steps
- Includes adhesive strip to keep marker securely in place



Kolbi Style	Pipe OD Incl. Insulation	Letter Size	Marker Width
WFC	6" - 6.7"	1.3"	12"
WGC	6.8" - 10"	2.5"	25"
WHC	Over 10"	3.5"	25"



# Wrap Around Markers

## Custom Wrap Around Markers

Designed for your specific project needs. You have complete flexibility over the wording, color or even adding symbols/pictograms. All the advantages of our standard Wrap Around Markers, but created for your unique application.

- Alternating layouts allow markers to be used in either direction
- Legend is viewable from 360° for pipes less than 6"
- Arrows included on marker
- Up to 5 years outdoor life expectancy. UV Overcoat for further protection available upon request
- Service temperature -40° F to 180° F
- Can be quickly adjusted or reapplied
- Meets ASME/ANSI standards
- Available in 8 sizes to fit any pipe
- Markers for pipe diameter over 6" ship flat
- No set-up charges or minimums



Kolbi Style	ANSI/ASME 2020/2023 STANDARDS			Marker Width	Shape
	Pipe OD Incl. Insulation	Letter Size			
WA	0.7" - 1.3"	0.5"		8"	Coiled
WB	1.4" - 2.4"	0.7"		8"	Coiled
WC	2.5" - 3.3"	1.3"		12"	Coiled
WD	3.4" - 4.5"	1.3"		12"	Coiled
WE	4.6" - 5.9"	1.3"		12"	Coiled
WF*	6" - 6.7"	1.3"		12"	Flat*
WG*	6.8" - 10"	2.5"		24"	Flat*
WH*	Over 10"	3.5"		32"	Flat*

## Wrap Around Markers for Small Pipes and Cables

These markers are specifically designed for small diameter pipes and cables. Easy snap on installation saves time, while the markers provide full 360° visibility.

- Available in any legend on page 4
- Custom legends available to meet your specific requirement



Style	Pipe OD (Include Insulation)	Marker Width	Letter Size	Shape
WAAA	Less than 5/8"	2-1/4"	1/4"	Coiled
WAA	Less than 3/4"	4"	1/4"	Coiled

## Wrap Around Pipe Marker Applicator



Install, adjust or remove Wrap Around Pipe Markers to overhead pipes from the safety of the ground. No ladder or lift required. Each applicator kit comes with 3 heads designed to work with a wide range of pipe sizes.

- Fiberglass Pole (4ft - 8ft or 6ft - 11ft lengths available)
- Kit includes:
  - Small Head Size (for pipe sizes 2-1/2" to 3-1/4" OD)
  - Medium Head Size (for pipe sizes 3-3/8" to 4-1/2" OD)
  - Large Head Size (for pipe sizes 4-5/8" to 6" OD)

# Nameplates

## Engraved Plastic and Phenolic Plates

Engraved plates in the most commonly requested sizes for easy and economical ordering. Just select the size, material, color and wording. Phenolic material is specifically designed to meet requirements for electrically non-conductive plates. These highly durable plates are professionally engraved for a long-lasting image.

- Available in 4 standard materials
- 10 standard color combinations
- Beveled edges
- Temperature range: -40° F to 175° F
- Adhesive backed, mounting holes or both



### Color Combinations

BLACK	YELLOW	WHITE	WHITE	WHITE	BLACK
WHITE	BLACK	RED	BLUE	GREEN	ORANGE

### Commonly Ordered Sizes (we can accommodate sizes customized to your specific need)

1" x 2"	1" x 3"	1" x 4"	1-1/2" x 4"	2" x 3"	2" x 4"	2-1/2" x 4"	2" x 6"	3" x 4"
3" x 5"	3" x 6"	4" x 6"	4" x 8"	4" x 12"	6" x 12"	8" x 12"	12" x 12"	12" x 18"



## Pantone Custom Color Nameplates

Engineered for data centers and environments where clear, durable identification is critical. Custom color nameplates are designed to integrate seamlessly with asset management systems and built to withstand UV exposure, weathering, and harsh conditions. These nameplates deliver precise color accuracy, long-term legibility, and flexible installation options that ensure reliable performance today and for decades to come.

- Precise Pantone & brand color matching via digital printing/laser engraving, across multiple substrates
- Data-center ready durability, including UV resistance, accelerated weather testing, and optional KOLBISHIELD resin doming for long-term protection
- Flexible design & installation, with custom sizing, QR/barcode support, and mounting options



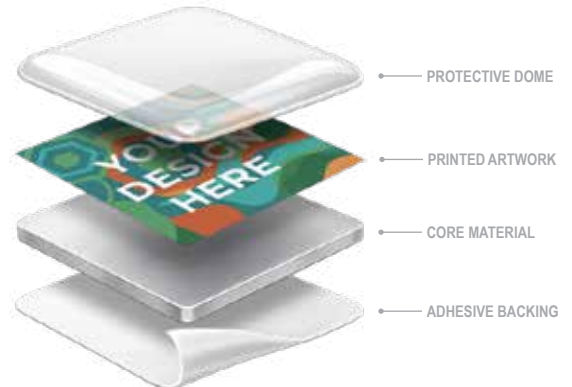
## What is KolbiShield?



KolbiShield uses a patented, highly durable protective resin to provide unmatched outdoor protection. The domed resin coating forms a solid, clear barrier that locks in color, resists sunlight, and prevents moisture damage. The KolbiShield line has been exposed to accelerated weather and aging tests that simulate years of real-world use.

### KolbiShield provides the following benefits

- 10+ years outdoor protection
- Resistant to moisture, chemicals & abrasion
- Won't discolor or crack
- Extended UV protection





## Custom Metal Plates

Standard size plates available in three materials to meet your specific requirements. Aluminum and Anodized Aluminum plates are laser etched for durable and detailed images. All plates are available laser etched or digitally printed color background and/or text.

### Aluminum

- .020" aluminum
- 4 baked enamel color combinations
- Base material with character colors shown
- Temperature range: up to 1400° F



STANDARD ALUMINUM COLORS



Custom text colors and background colors available.

### Anodized Aluminum

- .032" anodized aluminum material
- Available in six color combinations.
- Base color and natural characters
- Temperature range: up to 1400° F



STANDARD ANODIZED ALUMINUM COLORS



Custom background colors available.

### Stainless Steel

- .030 Type 316 Stainless Steel
- 3/16" top hole standard
- Temperature range: up to 2400° F
- Barcodes and QR codes available



### Brass

- .036" brass material
- Digital printing with protective overcoat for long lasting durability
- Temperature range: up to 1200° F



Commonly Ordered Sizes (we can accommodate sizes customized to your specific need)

1" x 2"	1" x 3"	1" x 4"	1-1/2" x 4"	2" x 3"	2" x 4"	2-1/2" x 4"
2" x 6"	3" x 4"	3" x 5"	3" x 6"	4" x 6"	4" x 8"	Custom Sizes Available

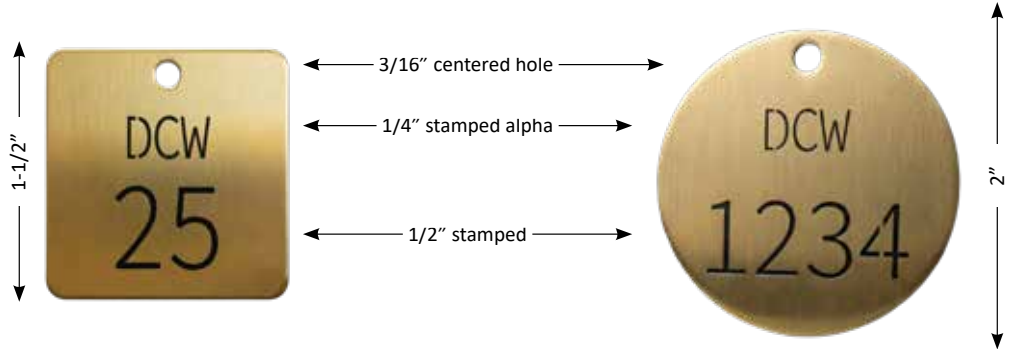
MOUNTING OPTIONS FOR ALL METAL PLATES:

- Adhesive backing
- Mounting holes
- Both holes and adhesive

## Standard Stamped Brass Valve Tags

The most requested tags. These durable brass tags are stamped for permanent marking of valves. The most popular system abbreviations are ready for same day shipping. At Kolbi, we will never leave you stuck with tags you don't need! If you need 37 tags, you can just order 37 tags. You aren't required to order two packages of 25 tags when you only need 37. Ordering is as simple as selecting the abbreviation, the starting number, and telling us how many you need.

- Durable .036 (19 gauge) brass
- Available in round or square shapes in two sizes
- Available with or without system abbreviation
- Black characters for long lasting visibility
- All come with 3/16" top hole standard
- Temperature range: up to 1200° F
- Top line: 1/4" system abbreviation
- Bottom line: 1/2" valve number



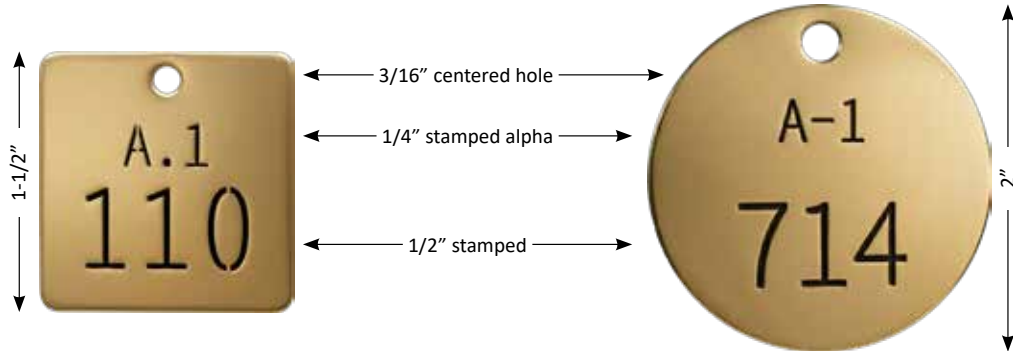
Size/Shape
1-1/2" Round
2" Round
1-1/2" Square
2" Square

Common Service Tag Abbreviations			
<b>AC</b> Air Conditioning	<b>CWR</b> Cold Water Return	<b>DHWS</b> Domestic Hot Water Supply	<b>HW</b> Hot Water
<b>AIR</b> Air	<b>CWS</b> Cold Water Supply	<b>FP</b> Fire Protection	<b>HWR</b> Hot Water Return
<b>CHW</b> Chilled Water	<b>DCW</b> Domestic Cold Water	<b>GAS</b> Gas	<b>HWS</b> Hot Water Supply
<b>CHWR</b> Chilled Water Return	<b>DCWR</b> Domestic Cold Water Return	<b>HHWR</b> Heating Hot Water Return	<b>LPS</b> Low Pressure Steam
<b>CHWS</b> Chilled Water Supply	<b>DCWS</b> Domestic Cold Water Supply	<b>HHWS</b> Heating Hot Water Supply	<b>PLBG</b> Plumbing
<b>COND</b> Condensate	<b>DHW</b> Domestic Hot Water	<b>HTG</b> Heating	<b>SPR</b> Sprinkler
<b>CW</b> Cold Water	<b>DHWR</b> Domestic Hot Water Return	<b>HVAC</b> HVAC	<b>STM</b> Steam

## Custom Stamped Brass Valve Tags

When a special system abbreviation or numbering sequence is needed, Kolbi's Custom Stamped Brass Valve Tags are the answer.

- Durable .036 (19 gauge) brass
- Available in round or square shapes in two sizes
- Available with or without system abbreviation
- Black characters for long lasting visibility
- All come with 3/16" top hole standard
- Temperature range: up to 1200° F
- Top line: 1/4" system abbreviation
- Bottom line: 1/2" valve number
- If third line is required, please call for pricing



### Character Chart (Maximum Characters)

Tag Size	Top Line (1/4")	Bottom Line (1/2")
1-1/2"	5	3
2"	6	4

### Size/Shape

1-1/2" Round
2" Round
1-1/2" Square
2" Square

### Custom Brass Special Characters

<b>#</b>	<b>°</b>	<b>/</b>	<b>-</b>	<b>.</b>	<b>\$</b>	<b>( )</b>	<b>"</b>	<b>%</b>	<b>?</b>	<b>!</b>
Number Sign	Degree Symbol	Forward Slash	Hyphen	Decimal Point	Dollar Sign	Parenthesis	Inches Symbol	Percent Sign	Question Mark	Exclamation Point



## Custom Valve Tags

Kolbi's line of Custom Valve Tags allow you to create the exact tags you need. We offer a variety of materials to meet any application. If your requirements call for special wording, additional digits, extra lines, or even non-sequential numbering, these tags can handle it. All materials are available in two standard sizes in round or square and are laser cut for accuracy and deburred for smooth edges.



### Plastic

- Precision engraved
- 2-ply, multi-colored material
- 1/16" rigid blended acrylic
- 3/16" top hole standard
- Temperature range: -40° F to 175° F
- Outdoor and 3-ply (2-sided) materials available

Available Color and Letter Combinations

BLACK	WHITE	GREEN	WHITE	BLUE
WHITE	RED	WHITE	YELLOW	BLACK



### Anodized Aluminum

- Precise laser etching
- .032" aluminum
- 6 colors available
- Temperature range: up to 14000 F
- Barcode and QR codes available
- Outdoor durability

STANDARD ANODIZED ALUMINUM COLORS

WHITE	WHITE
WHITE	WHITE
WHITE	WHITE

Custom background colors available.



### Stainless Steel

- Precise laser etching
- .030 Type 316 Stainless Steel
- 3/16" top hole standard
- Temperature range: up to 24000 F
- Barcode and QR codes available
- Outdoor durability



### Brass

- Digital printing with protective overcoat for long lasting durability
- Durable .036" (19 gauge) brass
- 3/16" top hole standard
- Temperature range: up to 12000 F
- Barcode and QR codes available
- Outdoor durability

Size/Shape

	1-1/2" Round	2" Round
	1-1/2" Square	2" Square



## Accessories

Stop using tie wire, make your valve tagging application quick and professional looking by using these valve tag accessories. Fasteners make sure your tags stay intact and are always there for identification.



### Beaded Chain

- Size #6 beaded chain
- Convenient 4-1/2" lengths with connector (no cutting required)
- Sold in packages of 100 chains
- Available in brass or stainless steel

Brass
Stainless Steel



### Jack Chain

- Size #16 solid chain
- Sold in packages of 50ft
- Covers 50 to 60 tags (10" – 12" lengths)
- Cut to size
- Available in brass or stainless steel

Brass
Stainless Steel



### "S" Hooks

- 1-1/4" solid brass
- 1" solid stainless steel
- Sold in packages of 100 hooks
- Available in brass or stainless steel

Brass
Stainless Steel



### Zinc Hooks

- Zinc fasteners
- Alternative to "S" hooks
- 2-1/2" hooks
- Squeeze to open or close
- Sold in packages of 100 hooks



### Nylon Ties

- 8" Nylon zip ties
- Easy installation
- Sold in packages of 100



### Lead Meter Seals and Sealing Press

- Available in copper or stainless Steel
- 12" long
- Sold in packages of 100
- Seal with Sealing Press

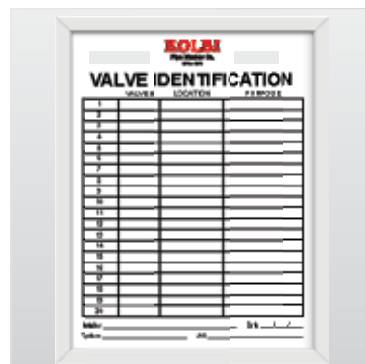
Copper (4 Strand)
Stainless Steel (4 Strand)
Seal Press



### Grid Markers

- Available in 3/4" round permanent adhesive vinyl or ceiling tacks
- Adhesive - 50 markers/sheet
- Custom printing available for adhesive

Per Sheet Adhesive
Per Printed Sheet Adhesive
Tacks (50/Box)



### Valve Tag Chart Frame

- Extruded Anodized Aluminum
- Holds 8-1/2" x 11" chart
- Plastic cover included

Valve Tag Chart Frame
-----------------------



## Firewall Signs

Kolbi Firewall Signs are compliant with IBC 703.7 2018 and are the best option for quickly identifying the fire and/or smoke rating of a wall in an emergency. Customize signs by adding other important information, such as the installing contractor, and the building engineer's contact information. This information is critical when retrofitting work needs to be done.

- Material Options: Standard Vinyl or Engineer Grade Reflective Vinyl
- Sign size: 10" x 14"
- Text Size: 3" for time rating and 1" text for barrier type. Per IBC 703.7 2018
- IBC 703.7 2018 states that signs be located within 15 feet (4572 mm) of the end of each wall and at intervals not exceeding 30 feet (9144 mm) measured horizontally along the wall or partition
- Installation instructions: Apply to a clean dry surface above 50°F



### STANDARD LEGEND CHART (Firewall Signs, 6" Tape and Stencils)

Rating (Top Line 3" Text)	Barrier Type (Bottom Line 1" Text)
1/2 HOUR	FIRE WALL
1 HOUR	SMOKE WALL
2 HOUR	FIRE/SMOKE WALL
3 HOUR	FIRE BARRIER
4 HOUR	SMOKE BARRIER
NOT RATED	FIRE/SMOKE BARRIER
	FIRE PARTITION
	SMOKE PARTITION
	FIRE/SMOKE PARTITION

Style
Standard Vinyl
Standard Reflective
Custom Vinyl
Custom Reflective



## Firewall Tape

- 3" x 30 Yard Tape: When paired with our standard Firewall Signs you can use our 3" tape to cover the entire length of the Fire and/or Smoke Barrier
- 6" x 30 Yard Tape: 6" Firewall Tape is a great option for when you need to cover the whole length of the wall or when you need to quickly install Firewall Signage. 6" Firewall Tape meets IBC 703.7 2018 standards and no additional signage is necessary
- Installation instructions: Apply to a clean dry surface above 50°F

Style
3" Tape
6" Tape

## Firewall Stencils

See chart above for legends

When stencils are required for the job and you still need the text to be compliant to IBC 703.7 2018 our Firewall Stencils are a great option. Material Options: Standard Vinyl or Engineer Grade Reflective Vinyl.

- Stencil Material: Flexible LDPE (Low-Density Polyethylene) for easy application

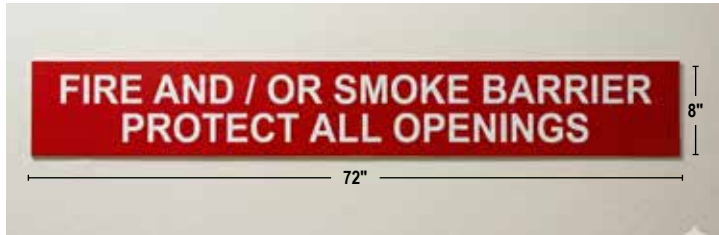


# Fire Protection & Firestop Identification

## FCIA Rated Firewall Sign

In addition to IBC 704.7 2018, if you need to follow the FCIA (Firestop Contractors International Association) guidelines, they recommend that Firewall Signs have a minimum of 3" text and be 6ft in length for emergency personell to easily spot a fire and/or smoke rated barrier. Our FCIA rated sign is available in standard vinyl or engineer-grade reflective vinyl.

- Material Options: Standard Vinyl or Engineer Grade Reflective Vinyl
- Installation instructions: Apply to a clean dry surface



## Firestop Label

Firestop labels identify where firestop materials have been applied, prevent the improper removal of the material, or inform maintenance crews about the proper firestop material necessary for replacement. Lables are 4" x 6", custom labels are available.

- Ordering options: can either be ordered blank or with critical information preprinted on the labels
- Material options: Standard vinyl or Engineer Grade reflective vinyl
- Installation instructions: Apply to a clean dry surface



## Firestop Tag

Firestop Tags are a great alternative when applying a firestop label is a challenge or not possible.

- Ordering options: can either be ordered blank or with critical information preprinted on the tags
- Material: Heavy-duty waterproof semi-rigid vinyl with brass grommet

Style
Standard Tag
Tag With Contractor Info

\*For tags with Contractor Info the minimum quantity starts at 10.



## Sprinkler & Fire Suppression System Tags

Properly identify valves in accordance with NFPA 13 requirements.

- .020" Aluminum
- Size: 2" x 6"
- 4 corner holes for hanging or mounting
- Available in white on red or red on white

Size
Standard 2" x 6"
Custom 2" x 6"

Combine quantities for best pricing.



STANDARD LEGENDS

AUXILIARY DRAIN	DRAIN VALVE	INSPECTORS TEST	NORMALLY OPEN	STANDPIPE
CLOSED	DRY STANDPIPE	MAIN CONTROL	OPEN	TEST & DRAIN
CONTROL VALVE	FIRE DEPARTMENT CONNECTION	MAIN DRAIN	SPRINKLER CONTROL VALVE	TEST VALVE
DRAIN	FIRE SPRINKLER VALVE DO NOT CLOSE	NORMALLY CLOSED	SPRINKLER VALVE	WET STANDPIPE

## Sprinkler Valve Open Signs

Meets NFPA 13 standards.

- .040" Aluminum
- Size: 7" x 10"
- 4 corner mounting holes for hanging or mounting
- Also available blank

Size
Standard 7" x 10"
Custom 7" x 10"

Combine quantities for best pricing.

STANDARD SIGNS

YOUR CUSTOM INFORMATION PRINTED HERE



# Fire Protection Identification

## Adhesive Markers

The same markers as our Adhesive Pipe Markers (see page 6), but specifically designed for fire protection identification. These highly durable markers are available in the most commonly used legends and as custom for more unique applications.

- Durable pressure sensitive vinyl with permanent adhesive
- Rated for indoor/outdoor use
- Service temperature range: -40° F to 180° F
- Up to 3 year outdoor life expectancy
- Application: Clean and dry surface above 50° F
- Meets ASME/ANSI standards when used with Arrow Banding Tape (see page 7)



### STANDARD ADHESIVE PIPE MARKER LEGENDS

SPRINKLER	FIRE PROTECTION	SPRINKLER WATER
FIRE PROTECTION WATER	FIRE DAMPER	FIRE SPRINKLER WATER



Style	Pipe OD (Includes Insulation)	Marker Size	Letter Size
A	0.7" - 1.3"	9"	0.5"
B	1.4" - 2.4"	9"	0.75"
C	2.5" - 6.7"	14"	1.3"
D	6.8" - 10"	24"	2.5"
E	Over 10"	32"	3.5"

Combine quantities for best pricing.

## Wrap Around Markers

Wrap Around Fire Protection Markers are designed for speed of installation, improved durability and increased safety. Our pre-coiled, semi-rigid vinyl markers simply snap onto pipes, significantly reducing installation time over adhesive markers. These markers easily go over dirty/greasy pipes or insulation without any cleaning or preparation.

- Arrows included on marker
- Up to 5 year outdoor life expectancy
- Legend is viewable from 360° for pipes under 6"
- Service temperature -40° to 180° F
- Quickly installed or reapplied
- Meets ANSME/ANSI A13.1 standards
- 10 sizes to fit most pipes



### STANDARD ADHESIVE PIPE MARKER LEGENDS

SPRINKLER	FIRE PROTECTION	SPRINKLER WATER
FIRE PROTECTION WATER	FIRE DAMPER	FIRE SPRINKLER WATER



Kolbi Style	Pipe OD Incl. Insulation	Letter Size	Marker Width	Shape
WAAA	Less than 5/8"	2-1/4"	1/4"	Coiled
WAA	Less than 3/4"	4"	1/4"	Coiled
WA	0.75" - 1"	0.5"	8"	Coiled
WB	1.1" - 2.4"	0.75"	8"	Coiled
WC	2.5" - 3.3"	1.3"	12"	Coiled
WD	3.4" - 4.5"	1.3"	12"	Coiled
WE	4.6" - 5.9"	1.3"	12"	Coiled
WF*	6" - 6.7"	1.3"	12"	Flat*
WG*	6.8" - 10"	2.5"	24"	Flat*
WH*	Over 10"	3.5"	32"	Flat*

Additional Nylon Ties 36" (WF) 48" (WG/WH)

\*Ships flat with nylon ties included.

# Fire Protection & Firestop Fire Protection

## Valve Tags

Specifically designed for fire protection valves. Available sizes: 1-1/2" Round, 2" Round, 1-1/2" square, 2" square.



### Custom Stamped Brass

- .036" (19 gauge) material
- Black filled

### Engraved Plastic

- Standard 1/16" acrylic material
- 1/8", outdoor and 2-sided material available

## Engraved Nameplates

Critical for marking fire sprinkler system valves, controls, drains and other components.

- Durable 2-ply, rigid blended acrylic material
- 1/16" standard thickness
- Beveled edges
- Available with holes or adhesive
- 1/8", outdoor, 2-sided, and 3-ply material available
- Engraving available, call for pricing
- Jack Chain available on page 20



#### Sizes

1" x 2"	2-1/2" x 4"	4" x 8"
1" x 3"	2" x 6"	4" x 12"
1" x 4"	3" x 4"	6" x 12"
1-1/2" x 4"	3" x 5"	8" x 12"
2" x 3"	3" x 6"	12" x 12"
2" x 4"	4" x 6"	12" x 18"

#### STANDARD COLORS

LETTERS
LETTERS
LETTERS
LETTERS





# Fire Protection Identification

## Hydraulic Signs

Meet NFPA 13 requirements for marking hydraulically designed sprinkler systems.

- .020" Aluminum material
- Size: 5" wide x 7" high
- 4 corner holes for hanging or mounting
- Available in three formats

Style
Standard
With Logo
With Logo and Data



## FDC Signs

Meet NFPA 13 requirements and provide critical direction in case of emergency.

- .040" Aluminum material
- Size: 10" x 14"
- 4 corner mounting holes for hanging and mounting

Standard
Custom
Reflective
Reflective Custom



CUSTOM FDC SIGNS AVAILABLE



FDC SIGNS ALSO AVAILABLE IN WHITE ON RED



## Custom NFPA Signs

Create a custom NFPA sign for your specific application. Available in six sizes, all with NFPA required color diamond.

- Meets NFPA 704 requirements
- Select the appropriate rating numbers (0 – 4)
- Durable vinyl material with permanent, pressure sensitive adhesive
- Other materials available upon request

### Hazard Rating Symbols

Symbol	Description
OX	Oxidizing
SA	Simple Asphyxiants
W	Reacts violently or explosively with water

### Diamond Size

4" x 4"	8" x 8"	10" x 10"
15" x 15"	18" x 18"	24" x 24"



# Ammonia Identification

## IIAR-2-2021

### Guidelines for Ammonia Refrigeration Pipe Markers

Bulletin 114 was developed and published in 1991 as means to establish uniformity among ammonia refrigeration users and practitioners in identifying refrigerant piping. The basis of the guidelines was ANSI Standard A1.1-1981 "Scheme for Identification of Piping systems". In 2007 ANSI A13.1 was released to indicate that orange backgrounds, rather than yellow should be used to indicate toxic and corrosive fluids (i.e. Ammonia). Bulletin 114 was updated in 2014 to reflect this standard. IIAR-2-2021 appendix Q is the most recent standard.

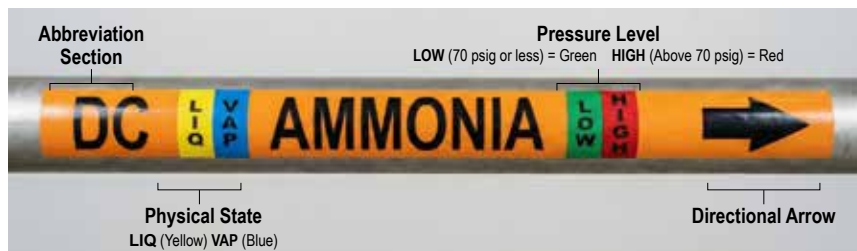
### Ammonia Pipe Marker Components

#### Pipe Marker Body

- The body of the marker should be "SAFETY ORANGE" and the text BLACK.
- Should Include the Pipe System in the Abbreviation Section.

#### Pressure Level

- If the pressure level exceeds 70 psig the pressure should be indicated as HIGH printed black on a red band.
- If the pressure level is at or below 70 psig the pressure should be indicated as LOW printed black on a green band (as seen in the above example).



#### Physical State

- If refrigerant state is liquid, LIQ should be printed black on a yellow band.
- If refrigerant is in the vapor state, VAP should be printed black on a sky blue band.
- If the refrigerant is in both vapor & liquid states both VAP & LIQ bands should be present.

## Arrow Banding Tape

The most effective way to install adhesive pipe markers. Arrow Banding Tape indicates directional flow to your pipe marker installation and provides additional adhesion in any environment.



- Durable pressure sensitive vinyl with permanent adhesive
- Long 30 yard rolls
- Up to 3 years outdoor life expectancy
- Application: Clean and dry surface above 50° F
- Used with adhesive markers to meet ASME/ANSI standards
- Available in all standard ASME/ANSI color combinations (see page 3)

Roll Size	Pipe Diameter (includes insulation)	Arrow Size
1" Tape	For less than 1.3"	0.5"
1" Tape	1.4" - 2.4"	0.75"
2" Tape	2.5" - 6.7"	1.3"
3" Tape	6.8" - 10"	2.5"
4" Tape	Over 10"	3.5"

## Ammonia Legends

Item #	Legend	Abbr.	State	Pressure
A1	BOOSTER DISCHARGE	BD	VAP	LOW
A1A	BOOSTER SUCTION	BS	VAP	LOW
A2	CONDENSER DRAIN	CD	LIQ	HIGH
A3	DEFROST CONDENSATE	DC	LIQ	HIGH
A3A	DEFROST CONDENSATE	DC	LIQ VAP	HIGH
A4	ECONOMIZER SUCTION	ES	VAP	LOW
A5	EQUALIZER	EQ	VAP	HIGH
A6	FOUL GAS	FG	VAP	LOW
A6A	FOUL GAS	FG	VAP	HIGH
A7	HIGH PRESSURE LIQUID	HPL	LIQ	HIGH
A8	HIGH STATE DISCHARGE	HSD	VAP	HIGH
A9	HIGH STATE SUCTION	HSS	VAP	LOW
A10	HIGH TEMP RECIRCULATED LIQUID	HTRL	LIQ	LOW
A11	HIGH TEMP RECIRCULATED SUCTION	HTRS	LIQ VAP	LOW
A12	HIGH TEMP SUCTION	HTS	VAP	LOW
A13	HOT GAS	HG	VAP	HIGH
A14	HOT GAS DEFROST	HGD	VAP	HIGH
A15	INTERMEDIATE PRESSURE LIQUID	IPL	LIQ	LOW
A15A	LIQUID DRAIN	LD	LIQ	LOW
A16	LIQUID INJECTION COOLING	LIC	LIQ	HIGH
A17	LIQUID TRANSFER	LT	LIQ	LOW
A18	LOW STAGE SUCTION	LSS	VAP	LOW
A18A	LOW TEMPERATURE LIQUID	LTL	LIQ	LOW
A18B	LOW LOW TEMPERATURE LIQUID	LLTL	LIQ	LOW
A19	LOW TEMP RECIRCULATED LIQUID	LTRL	LIQ	LOW
A19A	LOW LOW TEMPERATURE RECIRCULATED LIQUID	LLTRL	LIQ	LOW
A20	LOW TEMP RECIRCULATED SUCTION	LTRS	LIQ VAP	LOW
A20A	LOW LOW TEMPERATURE RECIRCULATED SUCTION	LLTRS	LIQ VAP	LOW
A21	LOW TEMP SUCTION	LTS	VAP	LOW
A22	MEDIUM TEMP RECIRCULATED LIQUID	MTRL	LIQ	LOW
A23	MEDIUM TEMP RECIRCULATED SUCTION	MTRS	LIQ VAP	LOW
A24	MEDIUM TEMP SUCTION	MTS	VAP	LOW
A24A	OIL DRAIN	OD	N/A	N/A
A25	PUMP OUT	PO	N/A	N/A
A25A	PURGE	PRG	VAP	HIGH
A26	PURGE LINE	PL	VAP	HIGH
A27	RELIEF VENT	RV	VAP	LOW
A28	RELIEF VENT	RV	VAP	HIGH
A28A	SUB-COOLED LIQUID	SCL	LIQ	HIGH
A29	THERMOSYPHON RETURN	TSR	LIQ VAP	HIGH
A30	THERMOSYPHON SUPPLY	TSS	LIQ	HIGH
A31	THERMOSYPHON VENT	TSV	VAP	HIGH
A32	SUB COOLED HIGH PRESSURE LIQUID	SCHPL	LIQ	HIGH
A33	DEFROST RETURN	DR	LIQ VAP	LOW



## Adhesive Ammonia Markers

Easy to install pressure-sensitive vinyl markers. All of our markers are designed for easy removal from the liner and quick installation in the field. Standard Adhesive Ammonia Markers come with a weatherproof UV resistant overlamine to ensure longevity in the label's intended environment.

- Durable pressure sensitive vinyl material with permanent adhesive
- Includes weather proof UV resistant overlamine
- Outdoor life expectancy up to 5+ years
- Temp range of -40°F to 176°F
- Standard orange background
- Yellow background available
- Meets 2021 IIAR 4.1.6 Specifications
- Apply to a clean and dry surface above 50°F



OVERLAMINATED FOR EXTRA PROTECTION (at no extra cost)



Kolbi Style	Pipe OD (including insulation)	Letter Size	Marker Size
AA	3/4" to 1-1/4"	1/2"	1" x 9"
AB	1-1/2" to 2-1/4"	3/4"	1-1/2" x 12"
AC	2-1/2" to 7-7/8"	1-1/4"	2-1/2" x 16"
AD	8" to 10"	2-1/2"	3-1/2" x 24"
AE	Over 10"	3-1/2"	4-1/2" x 32"

Combine quantities for best pricing.

## Wrap Around Ammonia Markers

Our pre-coiled markers simply snap onto pipes, significantly reducing install time. These markers easily go over dirty/greasy pipes or insulation without any cleaning or preparation.

- Outdoor life expectancy up to 5 years
- Ideal for indoor installation
- Standard orange background color
- Yellow background available
- Complies with IIAR Bulletin 114
- Temperature range -40°F to 180°F
- UV resistant material and inks



Style	Pipe OD including insulation	Shape	Marker Width	Letter Size
AWA	3/4" to 1"1/2"	Coiled	8"	1/2"
AWB	1-1/8" to 2-1/4"	Coiled	8"	3/4"
AWC	2-1/2" to 3-1/4"	Coiled	12"	1-1/4"
AWD	3-3/8" to 4-1/2"	Coiled	12"	1-1/4"
AWE	4-5/8" to 5-7/8"	Coiled	12"	1-1/4"
AWFF*	6" to 7-7/8"	Flat	12"	1-1/4"
AWF**	6" to 7-7/8"	Coiled	12"	1-1/4"
AWGF*	8" to 10"	Flat	24"	2-1/2"
AWG**	8" to 10"	Coiled	22-1/2"	2-1/2"
AWHF*	10"+	Flat	32"	3-1/2"
AWH**	10"+	Coiled	22-1/2"	3-1/2"

Additional Nylon Ties 36" (WF) .65 48" (WG/WH) .90

\*Ships flat with nylon ties included. \*\*Styles AWF, AWG and AWH include adhesive strip - these are full Wrap Arouds.

# Ammonia Identification

## Component Markers

For easy identification of all your Ammonia Refrigeration System Components. We offer component markers in the standard IIAR legends as well as custom solutions to your specialized component marker needs.



- Durable pressure-sensitive vinyl material with permanent adhesive
- Component markers are manufactured with UV resistant ink and laminated with a UV resistant overlaminate to reduce fading in the sun.
- Temperature range of -40°F to 176°F
- Standard background color is orange (Yellow backgrounds are available upon request)
- Indicate pressure level when ordering (Note: Per IIAR Bulletin 114 2021 the pressure label is no longer required)
- Apply to clean/dry surface above 50°F
- Complies with IIAR Bulletin 114 2021
- For a higher temperature rating (up to 250°F ) polyester component markers are available

**Component Name**  
Color: Black on Safety Orange

**Pressure Level**  
LOW (70 psig or less) = Green  
HIGH (Above 70 psig) = Red

Per IIAR Bulletin 2021  
Pressure band no longer required

MEETS 2017 IIAR 4.2.2 SPECIFICATIONS

Style	Letter Size	Marker Size
ACM	2-1/2"	3-1/2" x 24"

### STANDARD COMPONENT MARKER LEGENDS

Item#	Legend	ABBR
AC1	ACCUMULATOR	ACC
AC2	AIR COOLED CONDENSER	AC
AC3	AIR HANDLING UNIT	AHU
AC4	AIR UNIT	AU
AC5	BOOSTER COMPRESSOR	BC
AC6	CONTROLLED PRESSURE RECEIVER	CPR
AC7	EVAPORATIVE CONDENSER	EC
AC8	HEAT EXCHANGER	HEX
AC9	HIGH PRESSURE RECEIVER	HPR

Item#	Legend	ABBR
AC10	HIGH STAGE COMPRESSOR	HSC
AC11	HIGH TEMPERATURE RECIRCULATOR	HTR
AC12	INTERCOOLER	IC
AC13	LIQUID TRANSFER UNIT	LTU
AC14	LOW TEMPERATURE COMPRESSOR	LTC
AC15	LOW TEMPERATURE RECIRCULATOR	LTR
AC16	LOW LOW TEMP RECIRCULATOR	LLTR
AC17	OIL POT	OP
AC18	OIL SEPARATOR	OS

Item#	Legend	ABBR
AC19	PILOT RECEIVER	PR
AC20	PURGE UNIT	PRG
AC21	REFRIGERANT PUMP	RP
AC22	REFRIGERATED MAKE-UP AIR UNIT	RMAU
AC23	ROOFTOP AIR UNIT	RTU
AC24	SURGE DRUM	SD
AC25	SWING COMPRESSOR	SWC
AC26	THERMOSYPHON RECEIVER	TSR
AC27	WATER COOLED CONDENSER	WC

## Aluminum Ammonia Carriers

Engineered to last in the harsh environment of your facility's roof. Aluminum carrier markers are crack-resistant and weatherproof and are installed with stainless steel straps to ensure your marker stays fastened to the pipe during high winds. The pipe's system information is protected with a UV and chemical resistant polyester overlaminate.

- High Temperature range of up to 300°F
- Outdoor life expectancy up to 8+ years
- Highly resistant to UV exposure
- Crack resistant powder coated aluminum carrier
- Easy to install
- Includes two pre-cut 316 stainless steel self-locking straps
- Meets IIAR Bulletin 114 for letter height
- Extra arrow included

**Strapping Tool**

For easier installation of stainless steel straps. Tool tightens the straps and cuts off excess.

Strapping Tool 179.50



Style	Pipe OD (Incl. Insulation)	Letter Size	Carrier Size	Carrier Dimensions
CAB	1-3/8" to 2"	3/4"	Extra Small	2-1/2"H x 14"W
CAC	2-1/8" to 7"	1-1/4"	Small	3-1/2"H x 20"W
CAD	7-1/8" to 10"	2-1/2"	Medium	4-7/8"H x 26"W
CAE	Over 10"	3-1/2"	Large	6-3/16"H x 33"W

Combine quantities for best pricing.



## High Performance Pipe Markers

Kolbi High Performance Markers are manufactured to withstand high temperatures, harsh chemicals and intense UV exposure. No surface preparation, cleaning or drying of the pipes is necessary. Allowing for quicker installation than self-adhesive markers.

- Made of polyester, UV resistant ink and Polyester overlaminates to ensure chemical and UV resistance
- Average outdoor life expectancy up to 5+ years
- Rated from -40°F to 248°F (-40°C to 120°C)
- Sizes AHPA through AHPG coil completely around the pipe and are secured tight with an attached adhesive strip. Sizes AHPFF and AHPGF come flat and strap on with included self-locking 316 Stainless Steel straps
- 360° View on pipes for sizes AHPA through AHPG
- Arrows included on every marker to indicate flow direction
- Complies with IAR Bulletin 114 2021



Pipe OD (Incl. Insulation)	Kolbi Style	Marker Length around the pipe (circumference)	Marker Width	Letter Size	Type	Installation Method
Less than 0.5"	AHPA	2"	4"	0.25"	Precoiled	Adheres to itself with adhesive strip
0.5" - 1.3"	AHPB	5"	8"	0.5"	Precoiled	Adheres to itself with adhesive strip
1.4" - 2.4"	AHPC	9"	8"	0.75"	Precoiled	Adheres to itself with adhesive strip
2.5" - 4.75"	AHPD	17"	12"	1.25"	Precoiled	Adheres to itself with adhesive strip
5" - 7.875"	AHPE	26"	12"	1.25"	Precoiled	Adheres to itself with adhesive strip
8" - 10"	AHPF*	34"	24"	2.5"	Flat - coil on site	Adheres to itself with adhesive strip
10" - 14"	AHPG*	46"	32"	3.5"	Flat - coil on site	Adheres to itself with adhesive strip

\*AHPF & AHPG markers come flat and wrap completely around the pipe by the installer.

## Ammonia Mini Carrier Markers

The only carrier marker designed for pipes less than 1-3/8 diameter. Engineered to last in the harsh environment of your facility's roof. Stainless steel carrier markers are crack-resistant and weatherproof and are installed with stainless steel straps to ensure your marker stays fastened to the pipe during high winds. The pipe's system information is protected with a UV and chemical resistant polyester overlaminates.

- The most durable solution for your pipes
- Resistant stainless steel
- Stainless steel straps included



Style	Pipe OD (Incl. Insulation)	Letter Size	Carrier Size	Carrier Dimensions
CAA	1/2" to 1-1/4"	1/2"	Mini	1-1/2" x 10"

# Ammonia Identification

## Ammonia Valve Tags

Kolbi's high performance valve tags are engineered for the harsh conditions on your plant's roof.



### Stainless Steel

- .030 Type 316 steel
- 3/16" top hole standard
- Temperature range: -40°F to 2400°F
- Barcode and QR codes available
- Outdoor durability

#### Size/Shape

1-1/2" Round
2" Round
1-1/2" Square
2" Square



### Plastic

- Grommets included
- 1/8" top hole standard
- 2-ply, orange or yellow material
- 1/8" outdoor grade plastic
- Temperature range: -40° F to 175° F
- Barcode and QR codes available

#### Size/Shape

1-1/2" Round
2" Round
1-1/2" Square
2" Square

## Ammonia Multi-Valve Tags

Kolbi Multi-Valve tags can be made out of a wide variety of materials, in any shape and size to fit your needs.



### Multi-Valve Tags

- Stainless Steel

#### Size

1-1/4" x 3"



### Block Valve Tags

- Engraved Multi-ply Plastic

#### Size

2" x 4"



### Combination Tags

- Stainless Steel & Aluminum

#### Size

3" x 3"

**PLEASE CONTACT US FOR YOUR CUSTOM TAG NEEDS!**

## Valve Tag Accessories

Stop using tie wire, make your valve tagging application quick and professional looking by using these valve tag accessories. Other accessories available by request.



### Heavy Duty Self-Locking Ties

- Tamper Proof
- Galvanized Steel Cable
- No installation tools necessary

14" Stainless Steel  
6" Stainless Steel



### Aluminum 2 Hole Seal With Steel 12" Wire

- 12" long Galvanized Steel Cable
- Lightweight and can be easily sealed with pliers

100-Pack



### Lead Meter Seals and Sealing Press

- 12" long
- Sold in packages of 100
- Seal with Sealing Press
- Stainless Steel (4 Strand)
- Steel Press

## Ammonia Plant Signage

Kolbi offers standard cold storage plant signage or can produce signs for your custom needs.



### Informational Signage

- Signs measure 24" x 12"
- UV resistant pressure-sensitive vinyl
- UV .040 plastic (adhesive backing)



Style
Pressure-Sensitive Vinyl
Plastic (.040)

### Standard Engine Room Signage

- Signs measure 7" x 12"
- 6 mil adhesive backed vinyl or .040 plastic
- Sold individually or in sets that include all 6 labels



Style
Pressure-Sensitive Vinyl
Plastic (.040)



### Stack Light Signs

Stack Light Signage provides a visual reference for monitoring ammonia leaks, helping you interpret stack light signals in industrial refrigeration systems. Proper labeling ensures that you can instantly understand whether conditions are normal, require attention, or demand immediate action. Designed for durability, Kolbi's signage fits seamlessly into any industrial refrigeration identification system.

- UV resistant pressure-sensitive vinyl
- UV .040 plastic (adhesive backing)
- Custom Sizes to meet your specific requirements



## Bracketed Control Bank Signs

Kolbi's Bracketed Control Bank Signs make identifying zones fast and easy. A standard marker has limited visibility and viewing range. Using these bracketed signs solves that problem, provides extended viewing distance, and are designed to withstand the harsh environment of a rooftop.

- Increased durability for your rooftop
- Heavy-duty stainless steel brackets (installed)
- Price includes (2) 60" stainless steel straps
- Standard size: 4" x 12"
- Custom sizes/colors available



# Electrical Identification

## Conduit and Cable Wrap Around Markers

Wrap Around Markers install much faster than adhesive markers, saving time and money. Perfect for when you need to get a large labeling job done quickly.

- Up to 5 year outdoor life expectancy
- Legend is viewable from 360°
- Additional colors and sizes available
- Select from the standard legends below
- .025" semi rigid vinyl

### Color Combinations

WHITE
WHITE
BLACK
BLACK
WHITE
BLACK
WHITE



Kolbi Style	Pipe OD (Include Insulation)	Letter Size	Shape
WAAA	Less than 5/8"	1/4"	Coiled
WAA	Less than 3/4"	1/4"	Coiled
WA	3/4" - 1"	1/2"	Coiled
WB	1-1/8" to 2-3/8"	3/4"	Coiled
WC	2-1/2" to 3-1/4"	1-1/4"	Coiled
WD	3-3/8" to 4-1/2"	1-1/4"	Coiled

## Conduit and Cable Adhesive Markers

Our self-adhesive vinyl markers are di-cut and easy to peel so that they can be easily installed in the field.

- Pressure sensitive vinyl with permanent adhesive
- Temperature range of -40°F to 180°F
- Up to 3 year outdoor life expectancy
- Select from the standard legends below
- Application: Clean and dry surface above 50°F

### Color Combinations

Additional colors available

WHITE
WHITE
BLACK
BLACK
WHITE
BLACK
WHITE



Style	Marker Size	Letter Size
ES (sm)	3/4" x 2-1/2" (10 per sheet)	1/2"
EM (med)	1" x 9"	3/4"
EL (lg)	2" x 9"	1-1/4"

### VOLTAGE MARKER STANDARD LEGENDS

110 VOLTS	220 VOLTS	380 VOLTS	2,300 VOLTS	13,200 VOLTS	115 VOLTS
220 VOLTS	415 VOLTS	2,400 VOLTS	13,800 VOLTS	120 VOLTS	230 VOLTS
440 VOLTS	4,160 VOLTS	SINGLE PHASE	120/206 VOLTS	240 VOLTS	480 VOLTS
12,470 VOLTS	THREE PHASE	208 VOLTS	277 VOLTS	600 VOLTS	BLANK



## Fiber Optic Cable Markers

One of our most durable and versatile cable markers. Fiber Optic Cable Markers can be installed simply with zip ties, and they can be positioned vertically or horizontally. These markers are made of flexible polyester making them crack proof, UV resistant, and useable in a wide temperature range (-40°F to 250°F).

- Temperature Range: -40°F to 250°F
- Material .010 Polyester
- Indoor Life Expectancy: Indefinite
- Outdoor Life Expectancy: 5-7 years
- UV Resistant
- Size: 2"x3-1/2"
- Standard Colors: Black/Orange and Black/Yellow
- Includes 4 holes for horizontal installation and 2 holes for vertical installation.
- Holes are designed for zip tie installation.



Style
Standard Legend
Custom Legend

\*For custom Fiber Optic Cable Markers the minimum quantity starts at 10.



## Heat Shrink Wire and Cable Markers

Our pre-printed Heat Shrink Wire and Cable Labels eliminate the need for on-site printing while providing durable, permanent markings that shrink to fit any size cable when heat is applied. These markers create a professional finish and ensure information remains legible even in harsh environments.

- Versatile fit accommodates all wire and cable sizes
- Available with both standard legends and custom printing options to suit your specific needs
- Offers excellent resistance to chemicals, abrasion, and extreme temperature fluctuations

## Self Laminating Cable Markers

Designed to withstand a high temperature range, high UV light and 360° visibility. Our Self Laminating Cable Markers are also very easy to install and require no cleaning or preparation of the cable before installation.

- Customized for your project
- Laminate provides exceptional protection
- ROHS Compliant
- Polyester Material
- 225° F maximum temperature, -65° F minimum



# Electrical Identification

## Flagged Aerial Markers

These markers provide the same easy installation as our Wrap-Around Markers, but have a flat, flagged area that provides easy viewing of important information. Often used for marking cable, conduit and fiber optic lines. Made with UV resistant material and ink for outdoor durability. They are available in all diameters of our Wrap-Around Markers located on pages 14 and 15. The marker length and flag (flat portion) can be sized to your specific requirements.

- Custom color combinations are available



## Arc Flash Labels

Kolbi offers a wide variety of standard Arc Flash Labels and can also help you create your own custom Arc flash labels that meet your facilities ARC flash safety needs.

- Complies with NFPA 70E, NED section 110 and OSHA safety standards
- 4 mil Pressure Sensitive Vinyl (other materials available upon request)
- Outdoor life expectancy: 4-6 years
- Other sizes available upon request
- Can write on labels with permanent markers
- Option for labels with pre-printed equipment information available upon request
- Available sizes: 3"X4" 4"X6"



## Lockout Tags

Kolbi offers a wide variety of standard and custom lockout tags.

- 5-3/4"x3" .025 Semi-Rigid Vinyl
- Water resistant
- Brass grommet included on all tags
- Outdoor life expectancy 5 – 7 years
- Custom sizes available upon request





## Wallplates

Kolbi provides the most diverse wall plate offering in the industry. With a wide variety of wall plate materials, styles, brands, and marking options. Marking options for every environment and budget include laser etching, engraving with color fill, and our latest technology, digital printing.

A variety of options will ensure that you can adequately identify all critical circuits with a permanent and professional finish. When it comes to lead times, Kolbi is second to none. With state-of-the-art marking equipment, orders are fulfilled in days instead of weeks.



## Metal Wallplates

### Material Options:

- Stainless Steel
- Anodized Aluminum

### Marking Options:

- Permanent Laser Etched Text. The most common marking method for metal plates
- Digitally Printed Text with scratch resistant coating. Digitally printed wall plates are the most economical method of marking wall plates
- Engraved and Color Filled Text. For when our deepest and longest lasting marking is required

## Services

### Packing Service

When requested, we can pack your wall plates by room/floor for you free of charge, saving your electrician time in the field.

### Plate Service

You can provide the wall plates, or we can supply them, saving you the time and effort of coordinating the delivery with your warehouse or electrical supplier.

## Plastic Wallplates

### Material Options:

- Nylon
- Thermoset Plastic

### Marking Options:

- Digitally Printed Text with scratch resistant coating. Digitally printed wall plates are the most economical method of marking wall plates
- Engraved and Color Filled Text. For when our deepest and longest lasting marking is required



## Standard Sizes



## Ordering Process

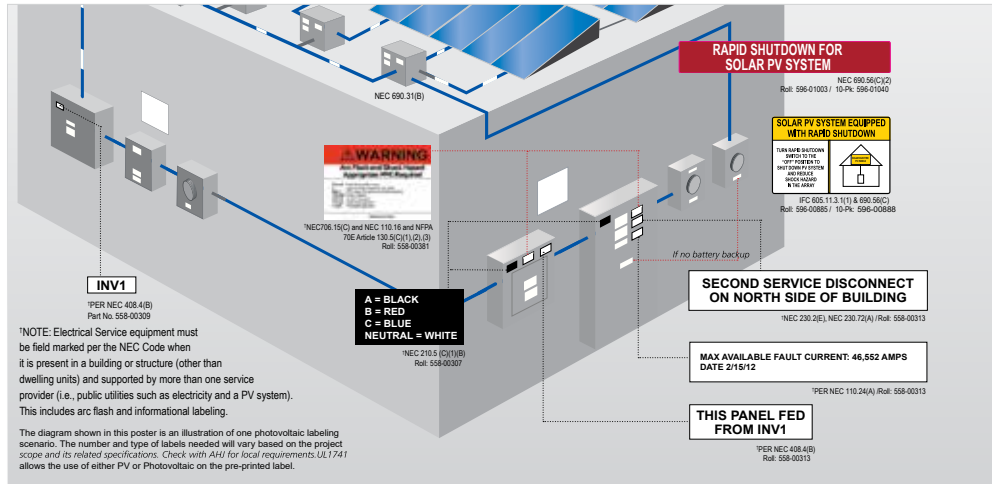
<b>1</b>	Send us the wall plates you would like to be marked or ask us to provide the wall plates for you.
<b>2</b>	Choose your marking option. For metal wall plates choose from: laser etched, digitally printed or engraved with color-filled text. For plastic wall plates choose from: digitally printed or engraved with color-filled text.
<b>3</b>	Place your order on our website with our wall plate design feature or ask us for our Wallplate Excel EZ order Form. With the EZ order form, you can either email the form to us or upload it to our website after designing how you want your plate to look.
<b>4</b>	Approve your sample image, and we are off to the races to complete your wall plate order!



## Photovoltaic Solar Labels

The exact labels you need for your solar project. The most commonly requested labels are available for immediate shipment in convenient 5-packs. There is no need to buy a sheet of labels just to use some and throw away the rest.

- Available in UV resistant adhesive vinyl or reflective vinyl materials
- All labels include an overlaminates for additional protection in challenging environments
- Meets 2023 NEC, NFPA, OSHA and ANSI standard requirements (other years available)



<b>PV SYSTEM DISCONNECT</b> <b>WARNING</b> ELECTRIC SHOCK HAZARD TERMINALS ON THE LINE AND LOAD SIDES MAY BE IN THE OPEN POSITION Part # PVL-2023-001 3" x 4"	<b>WARNING</b> ELECTRIC SHOCK HAZARD TERMINALS ON THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION Part # PVL-2023-002 2" x 4"	<b>WARNING</b> THIS EQUIPMENT FED BY MULTIPLE SOURCES. TOTAL RATING OF ALL OVERCURRENT DEVICES, EXCLUDING MAIN SUPPLY OVERCURRENT DEVICE, SHALL NOT EXCEED AMPACITY OF BUSBAR Part # PVL-2023-003 3" x 3"	<b>WARNING</b> POWER SOURCE OUTPUT CONNECTION DO NOT RELOCATE THIS OVERCURRENT DEVICE Part # PVL-2023-004 2" x 4"	<b>WARNING</b> PHOTOVOLTAIC SYSTEM COMBINER PANEL DO NOT ADD LOADS Part # PVL-2023-005 2" x 4"	<b>WARNING</b> DO NOT DISCONNECT UNDER LOAD Part # PVL-2023-006 2" x 4"
<b>DC DISCONNECT</b> <b>WARNING</b> MAXIMUM VOLTAGE OF PV SYSTEM: VOLTS Part # PVL-2023-007 2" x 4"	<b>AC JUNCTION BOX</b> <b>WARNING</b> ELECTRIC SHOCK HAZARD DO NOT TOUCH TERMINALS TERMINALS ON BOTH THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION CAUTION SOLAR CIRCUIT Part # PVL-2023-0014 3" x 3"	<b>DC JUNCTION BOX</b> <b>WARNING</b> ELECTRIC SHOCK HAZARD DO NOT DISCONNECT UNDER LOAD PHOTOVOLTAIC POWER SOURCE Part # PVL-2023-0015 3" x 3"	<b>DC COMBINER BOX</b> <b>WARNING</b> MAXIMUM VOLTAGE OF PV SYSTEM: VOLTS Part # PVL-2023-0010 2" x 4"	<b>SOLAR INVERTER</b> <b>WARNING</b> MAXIMUM VOLTAGE OF PV SYSTEM: VOLTS Part # PVL-2023-0011 2" x 4"	<b>WARNING</b> ELECTRIC SHOCK HAZARD THE DC CONDUCTORS OF THIS PHOTOVOLTAIC SYSTEM ARE UNGROUNDED AND MAY BE ENERGIZED Part # PVL-2023-0012 3" x 3"
<b>CAUTION</b> PV OUTPUT CIRCUIT Part # PVL-2023-008 1" x 4"	<b>CAUTION</b> INVERTER OUTPUT CIRCUIT Part # PVL-2023-009 1" x 4"	<b>CAUTION</b> SOLAR CIRCUIT Part # PVL-2023-0018 1" x 4"	PHOTOVOLTAIC SYSTEM kWh METER Part # PVL-2023-0017 1" x 4"	<b>AC DISCONNECT</b> Part # PVL-2023-0021 1" x 4"	<b>DC DISCONNECT</b> Part # PVL-2023-0019 1" x 4"
<b>WARNING</b> TURN OFF PHOTOVOLTAIC AC DISCONNECT PRIOR TO WORKING INSIDE PANEL Part # PVL-2023-0016 2" x 4"	<b>AC DISCONNECT</b> PHOTOVOLTAIC SYSTEM POWER SOURCE RATED AC OUTPUT CURRENT: [ ] NOMINAL OPERATING AC VOLTAGE: [ ] VOLTS Part # PVL-2023-0020 2 1/2" x 4"	<b>WARNING</b> DUAL POWER SUPPLY SOURCES: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM Part # PVL-2023-0013 1" x 3"	<b>WARNING</b> SINGLE 120-VOLT SUPPLY DO NOT CONNECT MULTIWIRE BRANCH CIRCUITS Part # PVL-2023-0022 2" x 4"	<b>WARNING</b> THE DISCONNECTION OF THE GROUNDED CONDUCTOR(S) MAY RESULT IN OVERVOLTAGE ON THE EQUIPMENT Part # PVL-2023-0023 2" x 4"	Part # PVL-2023-0024 5" x 3 3/4"
<b>WARNING</b> SOLAR ELECTRIC BREAKER IS BACKFED Part # PVL-2023-0025 1" x 4"	<b>PHOTOVOLTAIC POWER SOURCE</b> Part # PVL-2023-0026 1" x 4"	<b>SOLAR PV DC CIRCUIT</b> Part # PVL-2023-0027 1" x 4"	<b>CAUTION</b> MULTIPLE SOURCES OF POWER Part # PVL-2023-0028 1" x 4"	<b>RAPID SHUTDOWN SWITCH FOR SOLAR SYSTEM</b> Part # PVL-2023-0029 13/4" x 5"	MAXIMUM VOLTAGE: [ ] MAXIMUM CIRCUIT CURRENT: [ ] MAX. RATED OUTPUT CURRENT OF THE CHARGE CONTROLLER OR DC-DC CONVERTER (IF INSTALLED) Part # PVL-2023-0030 13/4" x 5"
NOMINAL OPERATING AC VOLTAGE: [ ] V NOMINAL OPERATING AC FREQUENCY: [ ] Hz MAXIMUM AC POWER: [ ] VA MAXIMUM AC CURRENT: [ ] A MAX. OVERCURRENT DEVICE RATING FOR 4-WIRE PROTECTION PER CIRCUIT: [ ] A Part # PVL-2023-0031 2" x 4"	<b>DIRECT CURRENT PHOTOVOLTAIC POWER SOURCE</b> MAXIMUM VOLTAGE: [ ] VDC MAX CIRCUIT CURRENT: [ ] AMPS Part # PVL-2023-0032 2" x 4"	<b>PHOTOVOLTAIC SOLAR SYSTEM DISCONNECT</b> Part # PVL-2023-0033 2" x 4"	ON CLOSED ON CLOSED ON OFF OFF OFF OFF OFF OFF Part # PVL-2023-0037 10" x 2 1/2"	POSITIVE POSITIVE POSITIVE POSITIVE POSITIVE Part # PVL-2023-0035 10" x 2 1/2"	NEGATIVE NEGATIVE NEGATIVE NEGATIVE NEGATIVE Part # PVL-2023-0036 10" x 2 1/2"

Sizes

1" x 3"	1" x 4"	1-3/4" x 5"	2" x 4"	2-1/2" x 4"	3" x 3"	3" x 4"	5" x 3-3/4"	10" x 2-1/2"
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ALSO AVAILABLE  
**CUSTOM**  
 Call for Info



## Solar Placards

Placards are designed to provide the needed information for your solar installation. All placards are made of durable UV resistant material to withstand the outdoor elements. Placards can communicate important information, safety precautions, or solar installation diagrams. Placards are available in standard engraved plastic or an economical digitally printed plastic with a durable overlaminat.

- Durable multi-ply, rigid blended acrylic material
- Available in 4 materials: 1/16" 2-ply (standard), 1/8" 2 or 3-ply, or Phenolic
- Call for pricing



## Solar Signs

ANSI and OSHA compliant signs to ensure safety for your solar project. Manufactured in two materials designed for the outdoors. The signs are available in .040 Aluminum or UV resistant pressure sensitive vinyl. See page 39 for pricing.

- Available in 3 standard materials: self-adhesive vinyl, plastic and aluminum
- Available with or without standard OSHA header
- See page 38 for pricing



### Sizes

7" x 10"	10" x 14"	14" x 20"
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# Custom Signs, Labels and Tags

## Custom Labels

Kolbi has simplified ordering custom labels. Just determine the size, material and colors. We don't limit your size choices or number of colors.

- No charge for additional colors
- You determine the dimensions - height and width
- Vinyl - durable outdoor grade material
- Vinyl with overlamine - additional protection against UV, abrasion and chemicals
- Quantities under 500 are sold on sheets, while quantities over 500 can sold be on a roll
- Any size shape available



## KolbiShield Labels

KolbiShield labels are built for durability without limiting your flexibility. No matter the size or design, we can produce custom labels and enhance them with our protective resin layer for extra durability. The result is a tough, professional-grade label that stands up to harsh environments while keeping your branding and information intact.

- Works with any size, shape, or file—fully customizable to your exact needs
- Resin layer provides long-lasting protection against wear, chemicals, and weather
- Ideal for hard hats, equipment labeling, safety identification, or any application you choose
- See page 16 for more information



## Hard Hat Labels

Design hard hat labels specific to your company. Proudly display achievements and awards.

- Permanent adhesive labels
- Standard sizes: 2" and 3" round or square
- Available shapes: square & circle
- Multiple colors
- Custom sizes and shapes available



## Custom Tags

Custom Safety Tags are available with any of the standard OSHA header (shown on page 35) or without a headers for complete customization.

- Available in two materials: 15 mil semi-rigid vinyl or white card stock
- Other sizes, materials and perforations available
- Brass grommet included for extra strength
- 5-3/4" x 3" tags
- Nylon ties available





# Custom Signs, Labels and Tags

## Custom Signage



OSHA 1910.145 standard for accident prevention signs outlines signage requirements. Kolbi's Custom Safety Signage allows you to create the exact message you need, while staying compliant. Signs are available in English, Spanish or bilingual.

- Available in 4 sizes
- Available in 3 standard materials: self-adhesive vinyl, plastic and aluminum
- Pictograms available



### Creating your sign is easy!

- 1 Select the proper OSHA header
- 2 Determine the wording
- 3 Pick a size
- 4 Select a material

				
<p><b>Danger</b></p> <p>Indicates an immediate hazard, a hazard capable of producing irreversible damage or injury.</p>	<p><b>Warning</b></p> <p>Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.</p>	<p><b>Caution</b></p> <p>A potentially hazardous situation, a hazard capable of resulting in severe but not irreversible injury or damage.</p>	<p><b>Notice</b></p> <p>Provides information of a general type in order to avoid confusion and misunderstanding.</p>	<p><b>Safety</b></p> <p>Includes notices of general practice and rules relating to health, first aid, medical equipment, sanitation, housekeeping and general safety.</p>

## Sign Materials

### Self-Adhesive Vinyl

- Permanent adhesive
- Temperature range -40° F to 180° F
- 4 – 6 year outdoor life expectancy
- Application: Clean and dry surface above 50° F

### Plastic

- Semi-rigid .040" plastic
- Temperature range: -10° F to 180° F
- 5 – 7 year outdoor life expectancy
- Rounded corners with four corner holes

### Aluminum

- .040" aluminum
- Rounded corners
- 5 – 7 year outdoor life expectancy
- Rounded corners with four corner holes

Commonly Ordered Sizes - Complies with NFPA 70E, NED section 110 and OSHA safety standards

7" x 10"	10" x 14"	14" x 20"	12 x 18"
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### TERMS AND CONDITIONS:

**WARRANTY** Products sold by the Kolbi Co. or authorized representatives are sold with the understanding that the user will test products in actual use and determine for themselves the product adaptability to their end use. Product life expectancy listed in this catalog will vary based on location of use and environmental conditions. Our products are warranted to be free from defects in materials and workmanship at the time of sale. Our obligations under this warranty are limited to the replacement of the product, and neither we nor our representatives are bound by any other warranty, expressed, implied, or statutory. Under no circumstances are we or our representatives liable for any loss, damage, expenses, or consequential damages of any kind arising out of the use or inability to use our products.

**PRICING** The pricing in this catalog is current as of the time of printing. The pricing does not include any taxes, freight or other charges that may apply. We make every effort to validate the accuracy of our pricing, however if an incorrect price exists, we reserve the right to charge the correct price. Pricing can change at any time and customers will be notified if discrepancies exist when an order is placed.

**RETURNS** Kolbi guarantees its products against defects in workmanship. If you would like to return or exchange a defective product, please contact our Customer Service Team at 800-499-8450 within 30 days of purchase. Non-defective product can only be returned after written authorization and may have a 20% restocking fee applied. Custom products are not eligible for return unless defective.

# YOUR SOURCE FOR

- ➔ Pipe Markers
  - ➔ Equipment Plates
    - ➔ Valve Tags
      - ➔ Custom Products
        - ➔ Regulatory Expertise

## ARENAS / STADIUMS



## WATER TREATMENT



## COLD STORAGE



# KOLBI

PIPE MARKER CO.

SINCE 1970



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