KOLBI
PIPE MARKER CO.

QUALITY | SERVICE | SIMPLICITY

2024 IDENTIFICATION PRODUCTS CATALOG

YOUR SOURCE FOR

- Pipe Markers
- Equipment Plates
- Valve Tags
- Custom Products
- Regulatory Expertise
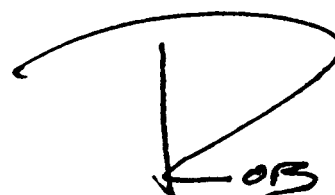
3727 N. VENTURA DRIVE
KOLBI
PIPE MARKER CO.

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PIPE MARKER CO.

Thanks for Opening Our 2024 Catalog!

2023 was a record year for Kolbi. We are proud of this accomplishment because it meant more customers trusted Kolbi to fulfill their project requirements than ever before. We don't take our customers or their business for granted, we know that we must earn each and every opportunity and deliver on our promises. We take those promises seriously and that is why Kolbi's reputation for excellence and integrity is built on three core values: Quality, Service, and Simplicity.

Our goal is simple: To make your job a little easier. We make this happen by centering our organization on the concept of being easy to do business with. We accomplish this by providing you with the highest quality products, exactly as you ordered them, and getting them to you when you need them. While we already provide the best service in the industry, we never rest on our laurels. Our goal this year, as it was last year and the year before that, is to be better than we were and even better than you expect.

The entire Kolbi Team values the opportunity you have given us. We strive to prove through our actions that you made an excellent decision in partnering with Kolbi.

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 A13.1-2020: 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 2020 update includes new pipe diameter and letter height requirements, a guideline for marking abandoned pipes, and continues the 2015 addition of the optional use of GHS (Global Harmonized System) pictograms.

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 then just looks. The colors help to easily identify the inherent danger of the piping contents. There are ten color designations, seven standard and four user defined. See Table 2 – "Color Designations".

Table 2: Color Designations

Fluid Service	Letters & Colors
Fire Quenching Fluids	LETTERS
Toxic And Corrosive Fluids	LETTERS
Flammable Liquids	LETTERS
Combustible Fluids	LETTERS
Potable, Cooling, Boiler Feed, Other Water	LETTERS
Abandoned Pipes	LETTERS
Compressed Air	LETTERS
Defined By User	LETTERS
Defined By User	LETTERS
Defined By User	LETTERS
Defined By User	LETTERS

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

Adjacent To Valves & Flanges

Adjacent To Directional Changes

Every 25 - 50ft On Straight Pipes

At Each Side Of Floor Or Wall Pass-through
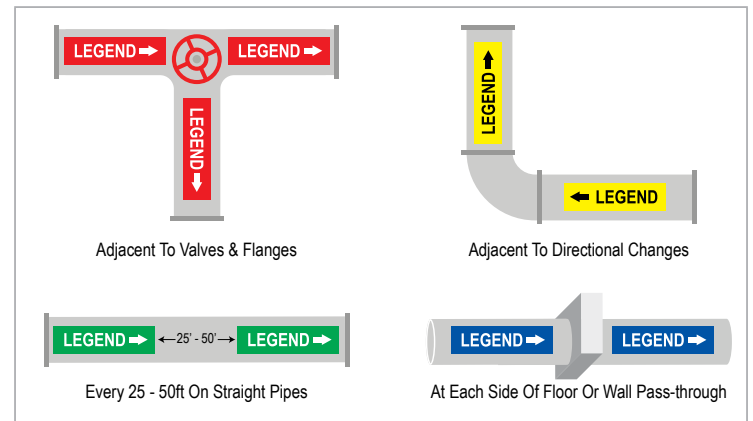
Do I Use GHS Pictograms?

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?

The new 2020 standard recommends 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 - 2015 and A13.1 - 2020 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)

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

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

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 A-13.1 2015 and A-13.1 2020 standards when used with arrow banding tape or individual arrows (see page 7)

COMMONLY PURCHASED WITH
Arrow Banding Tape
See Page 7

MADE USING UV RESISTANT INK AND MATERIAL

ARROW TAPE SOLD SEPARATELY

EASILY PEELED FROM BACKING

EASILY APPLIED TO CLEAN DRY SURFACE
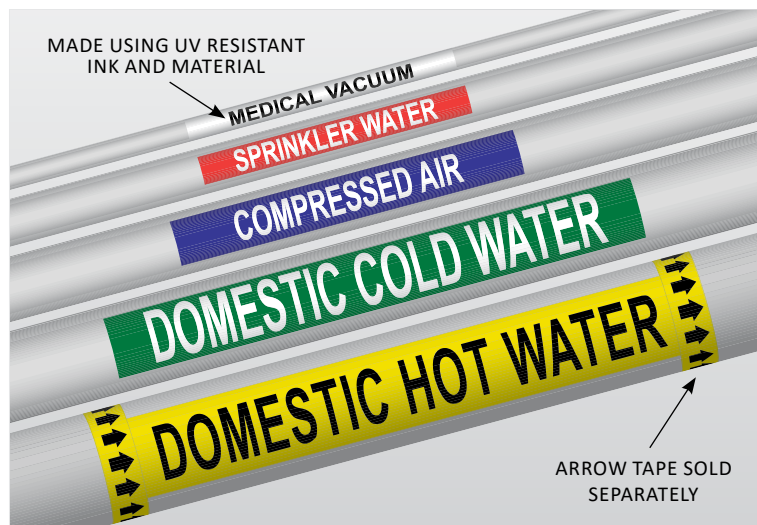
Style	Pipe OD Incl.Insulation	Marker Size	Letter Size	PRICING 1-99	100-249	250+
A	0.7" - 1.3"	1"x9"	0.5"	0.72	0.64	0.58
B	1.4" - 2.4"	1"x9"	0.75"	0.72	0.64	0.58
C	2.5" - 6.7"	2"x14"	1.3"	1.96	1.75	1.55
D	6.8" - 10"	3"x24"	2.5"	3.79	3.38	2.95
E	Over 10"	4"x32"	3.5"	5.41	4.86	4.24

Combine quantities for best pricing.

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 A-13.1 2015 and A-13.1 2020 standards when used with arrows on a roll or individual arrows (see page 7)

COMMONLY PURCHASED WITH
Arrow Banding Tape
See Page 7

ADD PICTOGRAMS, ARROWS OR SYMBOLS

Style	Pipe OD Incl.Insulation	Marker Size	Letter Size	PRICING 1-99	100-249	250+
A	0.7" - 1.3"	9"	0.5"	1.18	1.06	0.95
B	1.4" - 2.4"	9"	0.75"	1.18	1.06	0.95
C	2.5" - 6.7"	14"	1.3"	2.34	2.11	1.87
D	6.8" - 10"	24"	2.5"	4.56	4.21	3.65
E	Over 10"	32"	3.5"	6.18	5.56	4.88

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.

ALSO AVAILABLE
Custom Colors

- 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 A13.1-2015 and A-13.1 2020 standards 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

CUT TO LENGTH ROLLS FIT ANY APPLICATION
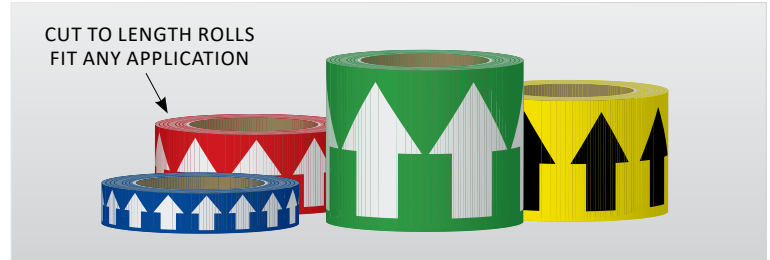
Roll Size	Pipe Diameter (includes insulation)	Arrow Size	PRICING			CUSTOM		
			1-9	10-24	25+	3-9	10-24	25+
1" Tape	For less than 1.3"	0.5"	22.22	19.82	17.46	31.13	27.76	24.44
1" Tape	1.4" - 2.4"	0.75"	22.22	19.82	17.46	31.13	27.76	24.44
2" Tape	2.5" - 6.7"	1.3"	42.56	37.94	33.35	59.58	53.18	46.69
3" Tape	6.8" - 10"	2.5"	60.96	54.10	47.68	82.31	73.35	64.63
4" Tape	Over 10"	3.5"	78.75	70.22	61.39	106.32	94.75	83.45

Combine quantities for best pricing.

AVAILABLE IN ALL STANDARD ANSI COLORS
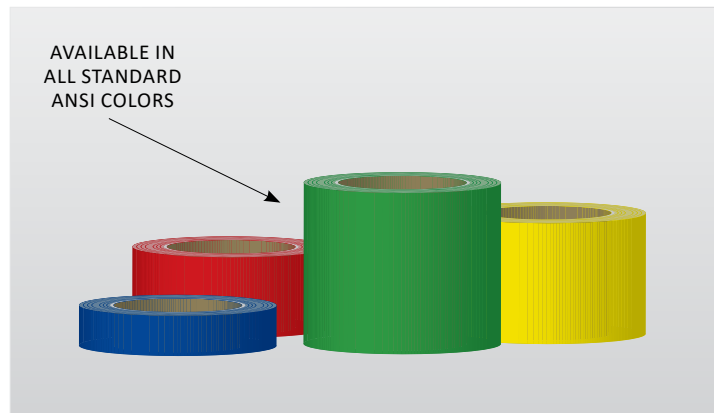
Blank Banding Tape

Color coded to match markers and provide extra adhesion if required.

Roll Size	Pipe Diameter (includes insulation)	PRICING		
		1-9	10-24	25+
1" Tape	For less than 2.4"	13.97	12.48	10.99
2" Tape	2.5" - 6.7"	27.31	23.78	20.96
3" Tape	6.8" - 10"	42.87	37.45	30.43
4" Tape	Over 10"	52.71	47.00	40.39

Combine quantities for best pricing.

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 A13.1-2015 and A-13.1 2020 standards 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 A13.1-2015 and A-13.1 2020 standards when used with adhesive pipe markers (see page 6)
- Available in all standard ASME/ANSI color

COMMONLY PURCHASED WITH
Blank Banding Tape
See Page 6

SIZES MATCH ADHESIVE MARKERS (SEE PAGE 5)
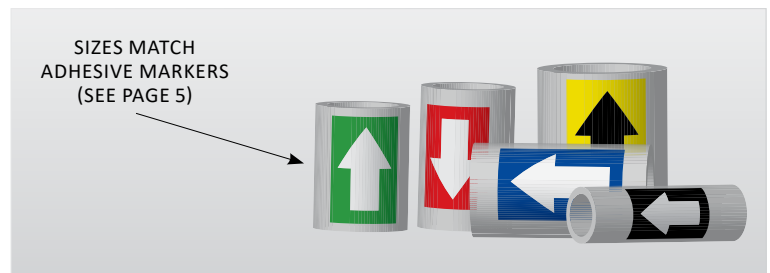
Style	Dimensions	Arrow Size	PRICING		
			1-99	100-249	250+
AA	1" x 1-1/2"	0.5"	0.47	0.42	0.38
BA	1" x 3"	0.75"	0.47	0.42	0.38
CA	2" x 4-1/2"	1.3"	0.93	0.84	0.76
DA	3" x 6"	2.5"	1.80	1.61	1.44
EA	4" x 7-1/2"	3.5"	2.25	2.01	1.79

Combine quantities for best pricing.

Roll-Mark 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
- Meet ANSI/ASME A13.1-2015 and A-13.1 2020 standards for color, size, and letter height
- Large 30' rolls containing 50 markers and 50 arrows
- Available in standard legends below

Width	Letter Height	STANDARD PRICING			CUSTOM PRICING		
		1-9	10-24	25+	3-9	10-24	25+
1"	0.75"	31.29	28.98	27.20	44.63	41.27	36.65
2"	1.3"	62.48	59.64	56.07	74.55	69.51	64.58

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 A13.1-2015 and A-13.1 2020 standards for color field and letter height
- Large 30' rolls
- Available in standard legends above

ALSO AVAILABLE

CUSTOM

CALL FOR PRICING

CUT TO SIZE ROLLS

Width	Letter Height	STANDARD PRICING			CUSTOM PRICING		
		1-9	10-24	25+	1-9	10-24	25+
5"	0.5"	66.61	56.44	49.31	73.32	60.39	51.28
8"	0.75"	98.75	86.26	74.53	108.60	92.29	77.52
12"	1.25"	141.40	125.90	108.36	153.80	134.73	112.68

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 legends on page 8)	PRICING PER CARD		
	1-99	100-249	250+
Standard Legends	2.36	2.16	2.05

(Each legend priced seperately)	5 (min)-9	10-24	25+
Custom	3.20	3.10	2.79
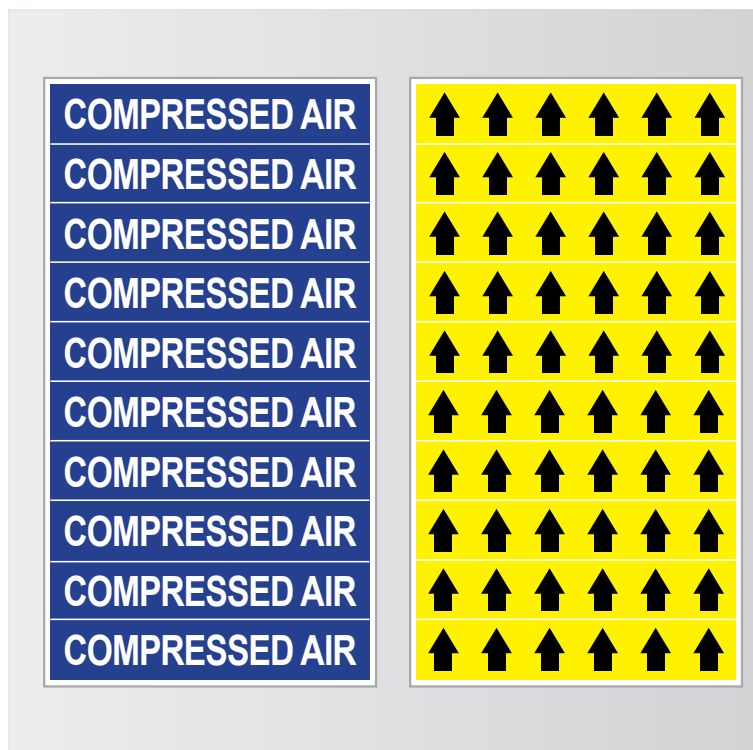
Markers with Arrows

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 A13.1-2015 Standards and ASME/ANSI A13.1-2020 Standards
- Available in standard legends on page 8

COMMONLY PURCHASED WITH

Blank Banding Tape
See Page 7

REVERSIBLE ARROW

FIELD CUT ARROWS WORK FOR EITHER DIRECTION
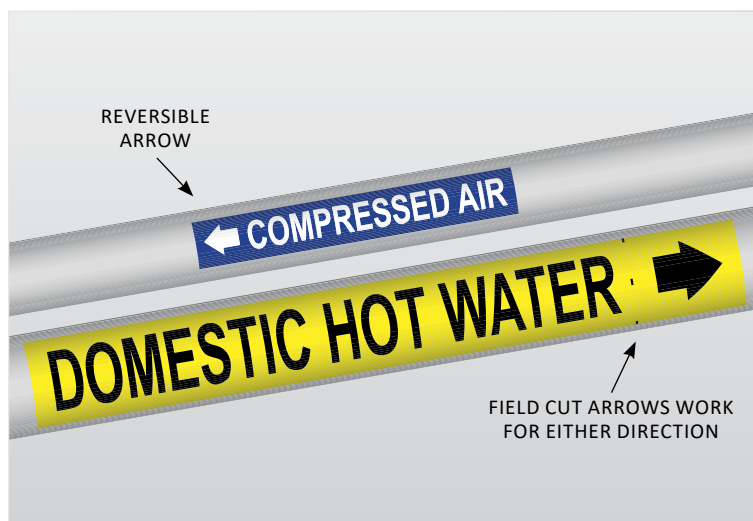
Style	Pipe Diameter (includes insulation)	Letter Size	Marker Size	STANDARD PRICING			CUSTOM PRICING		
				1-99	100-249	250+	1-99	100-249	250+
FA	0.7" - 1.3"	0.5"	9"	1.18	1.06	0.95	1.40	1.19	0.99
FB	1.4" - 2.4"	0.75"	9"	1.18	1.06	0.95	1.40	1.19	0.99
FC	2.5" - 6.7"	1.3"	14"	2.34	2.11	1.87	2.81	2.32	1.97
FD	6.8" - 10"	2.5"	24"	4.56	4.21	3.65	5.46	4.63	3.84
FE	Over 10"	3.5"	32"	6.18	5.56	4.88	6.90	6.27	5.58

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

GIVE US A CALL FOR

DANGER
NON-POTABLE
DO NOT DRINK

Standard Non-Potable Water Signs

Standard Worded Rolls	PRICING		
	1-9	10-24	25+
2" x 30 Yard Roll	42.56	37.94	33.34
3" x 30 Yard Roll	60.96	54.10	47.67
4" x 30 Yard Roll	78.75	70.22	61.37

Custom Worded Rolls	PRICING		
	3-9	10-24	25+
2" x 30 Yard Roll	59.58	37.94	46.68
3" x 30 Yard Roll	82.31	73.35	64.63
4" x 30 Yard Roll	106.32	94.75	83.43

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"

ALSO AVAILABLE

CUSTOM

Call for More Info
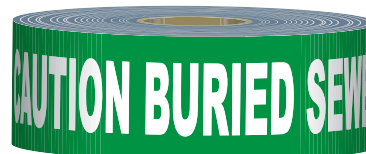
Non-Detectable Tape

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

CAUTION BURIED CABLE LINE BELOW	CAUTION BURIED FUEL LINE BELOW	CAUTION BURIED SEWER LINE BELOW
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
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

Style	PRICING		
	1-4	5-9	10+
3" Detectable Tape	71.45	66.07	59.50
6" Detectable Tape	133.38	125.06	110.67
3" Non-Detectable Tape	32.15	29.50	24.67
6" Non-Detectable Tape	59.55	55.46	48.15

sales@kolbipipemarkers.com | 800-499-8450 **KOLBI** PIPE MARKER CO.

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
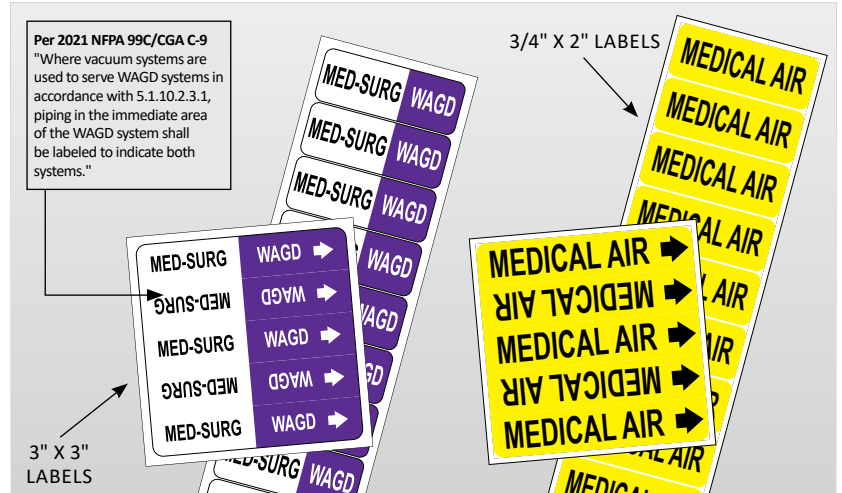- 2 sizes available: 3" x 3" and 3/4" x 2"

Per 2021 NFPA 99C/CGA C-9 "Where vacuum systems are used to serve WAGD systems in accordance with 5.1.10.2.3.1, piping in the immediate area of the WAGD system shall be labeled to indicate both systems."

3/4" X 2" LABELS

3" X 3" LABELS

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

		STANDARD PRICING			CUSTOM PRICING		
Style	Priced	1-99	100-249	250+	10 (min) - 99	100 - 249	250+
3" x 3"	Per Label	0.71	0.63	0.56	1.23	1.03	0.92
3/4" x 2"	Per Card (10)	2.88	2.60	2.26	3.92	3.56	3.09

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

	PRICING		
Style	1-9 Rolls	10-24 Rolls	25+ Rolls
Standard*	125.06	111.51	98.19
	3 (minimum) - 9 Rolls	10 - 24 Rolls	25+ Rolls
Custom	143.87	123.77	98.37

*Combine quantities for best pricing.

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

	PRICING		
Style	1-99	100-249	250+
Standard	2.75	2.46	2.17
	10 (Min) - 99	100-249	250+
Custom	3.54	3.18	2.83
Nylon Ties (100/pkg)	5.00		

Combine quantities for best pricing.

Per 2021 NFPA 99C/CGA C-9 "Where vacuum systems are used to serve WAGD systems in accordance with 5.1.10.2.3.1, piping in the immediate area of the WAGD system shall be labeled to indicate both systems."

BLANK SPACE FOR WRITING MESSAGE
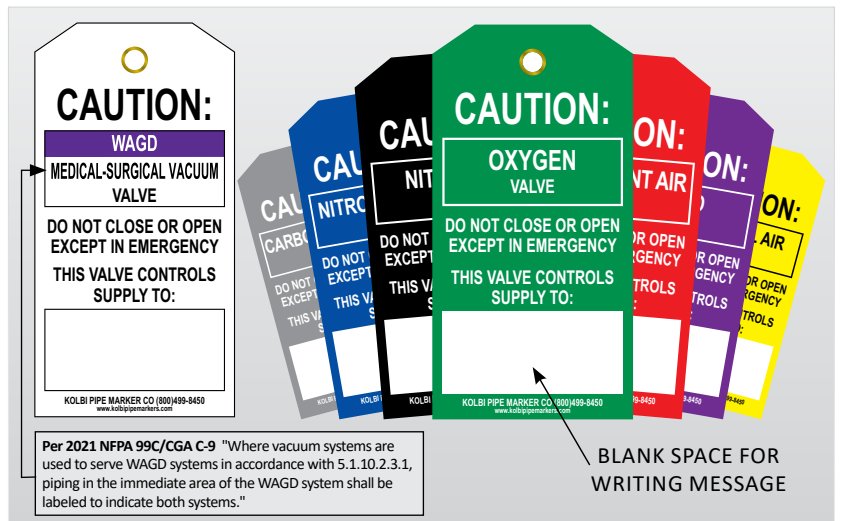
Duct Markers

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

ARROW SOLD SEPARATELY ON DC & DD STYLE MARKERS

STYLE DM INCLUDES DIRECTIONAL ARROW

DM STYLE

RETURN AIR ➡

SUPPLY AIR ➡

SUPPLY AIR ➡

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	STANDARD PRICING			CUSTOM PRICING		
			1-99	100-249	250+	1-99	100-249	250+
DC	2" x 14"	1-1/4"	1.96	1.75	1.55	2.34	2.11	1.87
DM (includes arrow)	4" x 10"	1-1/4"	2.62	2.36	2.02	3.13	3.01	2.71
DD	3" x 24"	2-1/2"	3.70	3.33	2.90	4.48	4.13	3.59
CA (arrow only)	2" x 4-1/2"	1-1/4"	0.92	0.82	0.74	N/A	N/A	N/A
DA (arrow only)	3" x 6"	2-1/2"	1.77	1.59	1.40	N/A	N/A	N/A

Combine quantities for best pricing.

Engraved Plastic Duct Markers

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

LAB AIR ➡

ALSO AVAILABLE

CUSTOM

**Engraved Markers**
See Page 16

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

SUPPLY AIR ➡

Color Combinations

BLACK	WHITE
WHITE	BLACK
WHITE	WHITE
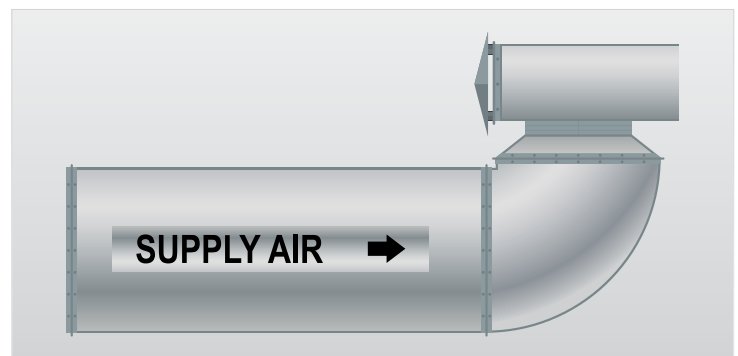
Plenum Duct Labels	Marker Size	Letter Height	PRICING		
			1 - 99	100 - 249	250+
Style PB	1" x 9"	.75"	2.10	1.97	1.84
Style PC	2" x 14"	1.25"	3.15	3.10	3.00
Style PD	3" x 24"	2.5"	6.83	6.57	6.30
Individual Arrows					
Style PBA	1"x3"	.75"	1.00	0.90	0.79
Style PCA	2"x4-1/2"	1.25"	1.58	1.26	1.05
Style PDA	3"x6"	2.5"	2.63	2.37	2.21

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 overlaminate 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 HPFF 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 A13.1-2015 and A13.1-2020

HIGH PERFORMANCE PRECOILED MARKER

Clear Adhesive Strip
Easily peeled from backing

DOMESTIC COLD WATER

HIGH PERFORMANCE FLAT MARKER WITH STRAPS

HOT WATER SUPPLY

EXAMPLE SHOWN STYLE: HPGF

Kolbi Style	ANSI/ASME 2015 Pipe OD Incl.Insulation	ANSI/ASME 2020 Pipe OD Incl.Insulation	Letter Size	Marker Length around the pipe (circumference)	Marker Width	Type	Installation Method	PRICING 1 - 99	100 - 249	250 +
HPA	Less than 1/2"	less than 0.5"	0.25"	2"	4"	Precoiled	Adheres to itself with adhesive strip	3.00	2.75	2.60
HPB	1/2" - 1-1/4"	0.5" - 1.3"	0.5"	5"	8"	Precoiled	Adheres to itself with adhesive strip	5.70	5.13	4.87
HPC	1-3/8" - 2-3/8"	1.4" - 2.4"	0.75"	9"	8"	Precoiled	Adheres to itself with adhesive strip	7.00	6.30	5.99
HPD	2-1/2" - 4-7/8"	2.5" - 4.9"	1.3"	17"	12"	Precoiled	Adheres to itself with adhesive strip	10.35	9.32	8.85
HPE	5" - 7-7/8"	5" - 6.7"	1.3"	26"	12"	Precoiled	Adheres to itself with adhesive strip	14.30	12.87	12.23
HPFF	8" - 10"	6.8" - 10"	2.5"	10"	24"	Flat with strap	Straps on with self locking 316 stainless steel strap	18.00	16.20	15.39
HPGF	10" +	10" +	3.5"	12"	32"	Flat with strap	Straps on with self locking 316 stainless steel strap	22.00	19.80	18.81
HPF*	8" - 10"	8" - 10"	2.5"	34"	24"	Flat - coil on site	Adheres to itself with adhesive strip	28.00	25.20	23.94
HPG*	10" - 14"	10" - 14"	3.5"	46"	32"	Flat - coil on site	Adheres to itself with adhesive strip	32.00	28.80	27.36

*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	PRICING Number of Characters (Arrows count as two characters) 1-10	11-20	21-30
SA	1/2"	10.00	12.97	16.75
SB	3/4"	11.00	14.33	18.64
SC	1"	12.00	15.70	20.42
SD	1-1/4"	12.90	16.75	21.74
SE	2"	17.00	21.95	28.88
SF	2-1/2"	19.40	25.15	32.81
SH	3-1/2"	22.50	29.35	37.59

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

AIR SUPPLY

HOT WATER

HOT WATER

AIR SUPPLY

AIR SUPPLY

## 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.

FIRMLY SNAPS
AROUND PIPE FOR
EASY INSTALLATION
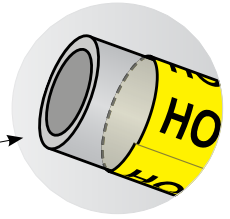
- Alternating layouts allow markers to be used in either direction
- Legend is viewable from 360° for pipes less than 6"
- Arrows included on marker
- Up to 5 years outdoor life expectancy. UV Overcoat for further protection available upon request
- Service temperature -40° F to 180° F
- Can be quickly adjusted or reapplied
- Meets ASME/ANSI A13.1-2015 and A13.1-2020 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)

Kolbi Style	ANSI/ASME 2015 Pipe OD Incl.Insulation	ANSI/ASME 2020 Pipe OD Incl.Insulation	Letter Size	Marker Width	Shape	PRICING 1-99	100-249	250+	Additional UV Overcoat
WA	3/4" - 1"	0.75" - 1"	0.5"	8"	Coiled	3.14	2.80	2.47	Add .75
WB	1-1/8" - 2-3/8"	1.1" - 2.4"	0.75"	8"	Coiled	4.13	3.74	3.29	Add .75
WC	2-1/2" - 3-1/4"	2.5" - 3.3"	1.3"	12"	Coiled	8.01	7.14	6.29	Add 1.00
WD	3-3/8" - 4-1/2"	3.4" - 4.5"	1.3"	12"	Coiled	8.52	7.64	6.90	Add 1.00
WE	4-5/8" - 5-7/8"	4.6" - 5.9"	1.3"	12"	Coiled	8.94	8.02	7.08	Add 1.00
WF*	6" - 7-7/8"	6" - 6.7"	1.3"	12"	Flat*	8.94	8.02	7.08	Add 1.00
WG*	8" - 10"	6.8" - 10"	2.5"	24"	Flat*	12.83	11.42	10.15	Add 1.25
WH*	10" +	Over 10"	3.5"	32"	Flat*	17.53	15.71	13.77	Add 1.50

Additional Nylon Ties
Style: WF (36") 65   **Style:** WG (48") 90   **Style:** WH (48") 90

Combine quantities for best pricing.   *Ships flat with nylon ties included.

Coiled Wrap Around Markers

MEDICAL VACUUM
Style WA: 1/2" Letters for 3/4" to 1" Pipe OD

COMPRESSED AIR
Style WB: 3/4" Letters for 1-1/8" to 2-3/8" Pipe OD

GLYCOL
Style WC: 1-1/4" Letters for 2-1/2" to 3-1/4" Pipe OD

NATURAL GAS
Style WD: 1-1/4" Letters for 3-3/8" to 4-1/2" Pipe OD

DOMESTIC HOT WATER
Style WE: 1-1/4" Letters for 4-5/8" to 5-7/8" Pipe OD

Flat Wrap Around Markers

SPRINKLER WATER
Style WF: 1-1/4" Letters for 6" to 7-7/8" Pipe OD (includes nylon ties)

STEAM
Style WG: 2-1/2" Letters for 8" to 10" Pipe OD (includes nylon ties)

STORM DRAIN
Style WH: 3-1/2" Letters for over 10" Pipe OD (includes nylon ties)

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 A13.1-2015 and ASME/ANSI A13.1-2020 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 2015 Pipe OD Incl.Insulation	ANSI/ASME 2020 Pipe OD Incl.Insulation	Letter Size	Marker Width	Shape	PRICING 1-99	100-249	250+	Additional UV Protective Overcoat
WA	3/4" - 1"	0.75" - 1"	0.5"	8"	Coiled	3.88	3.49	3.09	Add .75
WB	1-1/8" - 2-3/8"	1.1" - 2.4"	0.75"	8"	Coiled	5.01	4.47	3.96	Add .75
WC	2-1/2" - 3-1/4"	2.5" - 3.3"	1.3"	12"	Coiled	9.27	8.27	7.26	Add 1.00
WD	3-3/8" - 4-1/2"	3.4" - 4.5"	1.3"	12"	Coiled	9.52	8.52	7.52	Add 1.00
WE	4-5/8" - 5-7/8"	4.6" - 5.9"	1.3"	12"	Coiled	9.83	8.82	7.77	Add 1.00
WF*	6" - 7-7/8"	6" - 6.7"	1.3"	12"	Flat*	9.83	8.82	7.77	Add 1.00
WG*	8" - 10"	6.8" - 10"	2.5"	24"	Flat*	15.02	13.39	11.80	Add 1.25
WH*	10" +	Over 10"	3.5"	32"	Flat*	21.78	17.62	15.50	Add 1.50

Ships flat with nylon ties included.

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	PRICING 1-99	100-249	250+
WAAA	Less than 5/8"	2-1/4"	1/4"	Coiled	2.72	2.46	2.14
WAA	Less than 3/4"	4"	1/4"	Coiled	2.72	2.46	2.14

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)
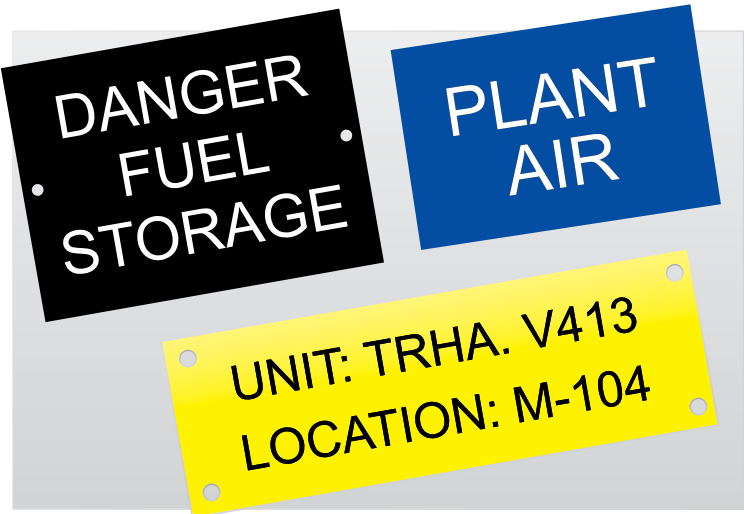 Large Head Size (for pipe sizes 4-5/8" to 6" OD)

4ft - 8ft pole	471.45
6ft - 11ft pole	492.45

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

ALSO AVAILABLE — Custom Colors & Sizes

DANGER FUEL STORAGE

PLANT AIR

UNIT: TRHA. V413 LOCATION: M-104

Size	1/16" 2-ply Plastic Most commonly requested, general purpose indoor material.			1/8" Outdoor Grade Plastic Specifically designed for outdoor durability.			1/8" 3-Ply Outdoor Grade Plastic Double sided colored tags. Engraved on one side.			1/8" 3-ply 2-Sided Plastic Double sided colored tags. Engraved on both sides			1/16" Phenolic Plastic Manufactured with electrically non-conductive materials.		
	1-99	100-249	250+	1-99	100-249	250+	1-99	100-249	250+	1-99	100-249	250+	1-99	100-249	250+
1" x 2"	3.10	2.85	2.50	4.34	3.99	3.50	5.58	5.13	4.50	6.05	5.56	4.88	4.45	4.15	3.65
1" x 3"	3.70	3.40	3.00	5.18	4.76	4.20	6.66	6.12	5.40	7.22	6.63	5.85	5.20	4.90	4.50
1" x 4"	4.10	3.75	3.25	5.74	5.25	4.55	7.38	6.75	5.85	8.00	7.31	6.34	6.10	5.75	5.25
1-1/2" x 4"	5.35	4.90	4.30	7.49	6.86	6.02	9.63	8.82	7.74	10.43	9.56	8.39	8.35	7.90	7.30
2" x 3"	5.35	4.90	4.30	7.49	6.86	6.02	9.63	8.82	7.74	10.43	9.56	8.39	8.35	7.90	7.30
2" x 4"	6.00	5.50	4.80	8.40	7.70	6.72	10.80	9.90	8.64	11.70	10.73	9.36	10.00	9.50	8.80
2-1/2" x 4"	6.40	5.90	5.10	8.96	8.26	7.14	11.52	10.62	9.18	12.48	11.51	9.95	11.40	10.90	10.10
2" x 6"	6.70	6.15	5.35	9.38	8.61	7.49	12.06	11.07	9.63	13.07	11.99	10.43	12.70	12.15	11.35
3" x 4"	6.70	6.15	5.35	9.38	8.61	7.49	12.06	11.07	9.63	13.07	11.99	10.43	12.70	12.15	11.35
3" x 5"	7.20	6.60	5.75	10.08	9.24	8.05	12.96	11.88	10.35	14.04	12.87	11.21	13.20	12.60	11.75
3" x 6"	7.70	7.10	6.15	10.78	9.94	8.61	13.86	12.78	11.07	15.02	13.85	11.99	14.90	14.30	13.35
4" x 6"	8.45	7.75	6.75	11.83	10.85	9.45	15.21	13.95	12.15	16.48	15.11	13.16	16.85	16.15	15.15
4" x 8"	10.10	9.30	8.10	14.14	13.02	11.34	18.18	16.74	14.58	19.70	18.14	15.80	21.30	20.50	19.30
4" x 12"	13.25	12.20	10.60	18.55	17.08	14.84	23.85	21.96	19.08	25.84	23.79	20.67	27.65	26.60	25.00
6" x 12"	17.50	16.10	14.00	24.50	22.54	19.60	31.50	28.98	25.20	34.13	31.40	27.30	39.10	37.70	35.60
8" x 12"	19.55	18.00	15.65	27.37	25.20	21.91	35.19	32.40	28.17	38.12	35.10	30.52	43.84	40.37	36.62
12" x 12"	28.80	26.50	23.05	40.32	37.10	32.27	51.84	47.70	41.49	56.16	51.68	44.95	64.58	59.43	53.94
12" x 18"	39.25	36.10	31.40	54.95	50.54	43.96	70.65	64.98	56.52	76.54	70.40	61.23	88.02	80.96	73.48

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. Brass plates are digitally printed providing excellent flexibility for graphics and letter sizing.

Aluminum

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

ALUMINUM

STANDARD ALUMINUM COLORS

BLACK	GOLD
WHITE	BLACK

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

ANODIZED ALUMINUM

STANDARD ANODIZED ALUMINUM COLORS

WHITE	WHITE
WHITE	WHITE
WHITE	WHITE

Custom background colors available.

Brass

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

BRASS

MOUNTING OPTIONS FOR ALL METAL PLATES:
- Adhesive backing
- Mounting holes
- Both holes and adhesive

Custom Sizes Available

Size	Aluminum			Anodized Aluminum			Brass			Stainless Steel		
	1-99	100-249	250+	1-99	100-249	250+	1-99	100-249	250+	1-99	100-249	250+
1 x 2	3.10	2.85	2.50	4.75	4.50	3.70	5.94	5.63	4.63	5.70	5.40	4.44
1 x 3	3.70	3.40	3.00	5.00	4.85	4.40	6.25	6.06	5.50	6.00	5.82	5.28
1 x 4	4.10	3.75	3.25	6.10	5.20	4.75	7.63	6.50	5.94	7.32	6.24	5.70
1-1/2 x 4	5.35	4.90	4.30	6.90	5.90	5.40	8.63	7.38	6.75	8.28	7.08	6.48
2 x 3	5.35	4.90	4.30	6.90	5.90	5.40	8.63	7.38	6.75	8.28	7.08	6.48
2 x 4	6.00	5.50	4.80	7.40	6.30	5.75	9.25	7.88	7.19	8.88	7.56	6.90
2-1/2 x 4	6.40	5.90	5.10	7.88	6.79	6.17	9.85	8.49	7.71	9.46	8.15	7.40
2 x 6	6.70	6.15	5.35	9.45	8.15	7.40	11.81	10.19	9.25	11.34	9.78	8.88
3 x 4	6.70	6.15	5.35	9.45	8.15	7.40	11.81	10.19	9.25	11.34	9.78	8.88
3 x 5	7.20	6.60	5.75	9.75	8.35	7.60	12.19	10.44	9.50	11.70	10.02	9.12
3 x 6	7.64	7.00	6.10	11.45	9.77	8.91	14.31	12.21	11.14	13.74	11.72	10.69
4 x 6	8.45	7.75	6.75	14.60	12.40	11.35	18.25	15.50	14.19	17.52	14.88	13.62
4 x 8	10.10	9.30	8.10	17.20	14.65	13.34	21.50	18.31	16.68	20.64	17.58	16.01

Stainless Steel Plates

Manufactured for specialized projects requiring the high durability and properties of stainless steel. Plates are laser etched for a precise lasting image. Barcodes, QR codes or graphics available.

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

- Barcodes and QR codes available
- Adhesive backing, mounting holes or both
- Other sizes available

STAINLESS STEEL

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 1200º F
- Top line: 1/4" system abbreviation
- Bottom line: 1/2" valve number

3/16" centered hole
1/4" stamped alpha
1/2" stamped
1-1/2"
2"
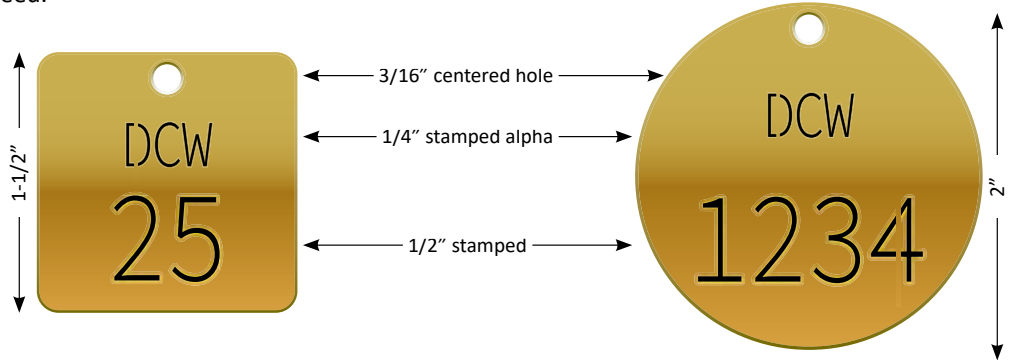
PRICING

Size/Shape	1-99	100-249	250+
1-1/2" Round	1.25	1.15	1.02
2" Round	2.09	1.96	1.82
1-1/2" Square	1.93	1.82	1.66
2" Square	2.09	1.96	1.82

Common Service Tag Abbreviations

AC	Air Conditioning	CWR	Cold Water Return	DHWS	Domestic Hot Water Supply	HW	Hot Water
AIR	Air	CWS	Cold Water Supply	FP	Fire Protection	HWR	Hot Water Return
CHW	Chilled Water	DCW	Domestic Cold Water	GAS	Gas	HWS	Hot Water Supply
CHWR	Chilled Water Return	DCWR	Domestic Cold Water Return	HHWR	Heating Hot Water Return	LPS	Low Pressure Steam
CHWS	Chilled Water Supply	DCWS	Domestic Cold Water Supply	HHWS	Heating Hot Water Supply	PLBG	Plumbing
COND	Condensate	DHW	Domestic Hot Water	HTG	Heating	SPR	Sprinkler
CW	Cold Water	DHWR	Domestic Hot Water Return	HVAC	HVAC	STM	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 1200º F
- Top line: 1/4" system abbreviation
- Bottom line: 1/2" valve number
- If third line is required, please call for pricing

3/16" centered hole
1/4" stamped alpha
1/2" stamped
1-1/2"
2"
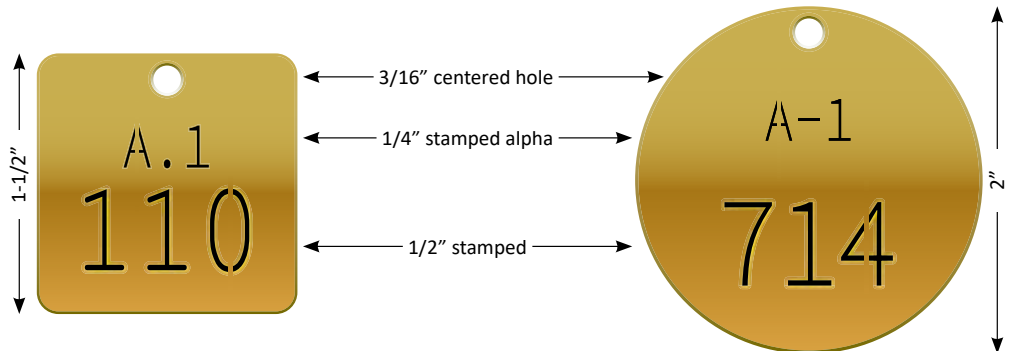
Character Chart (Maximum Characters)

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

PRICING

Size/Shape	1-99	100-249	250+
1-1/2" Round	2.78	2.55	2.36
2" Round	3.23	2.87	2.68
1-1/2" Square	3.03	2.79	2.60
2" Square	3.34	2.99	2.80

Custom Brass Special Characters

#	○	/	-	.	$	( )	"	%	?	!
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: -40º F to 175º F
- Outdoor and 3-ply (2-sided) materials available

Size/Shape	PRICING		
	1-99	100-249	250+
1-1/2" Round	1.70	1.49	1.28
2" Round	2.23	2.03	1.80
1-1/2" Square	1.70	1.49	1.28
2" Square	2.23	2.03	1.80

Material	SPECIAL OPTIONS (add to tag price above)		
1/8" 2-ply, 1/8" 3-ply (engraved one side)	.70	.60	.50
1/8" 3-ply (engraved two sides)	1.15	.95	.80

Available Color and Letter Combinations

BLACK	WHITE	GREEN	WHITE	BLUE	WHITE	RED	WHITE	YELLOW	BLACK

Brass

- Digital printing with protective overcoat for long lasting durability
- Durable .036" (19 gauge) brass
- 3/16" top hole standard
- Temperature range: up to 1200º F
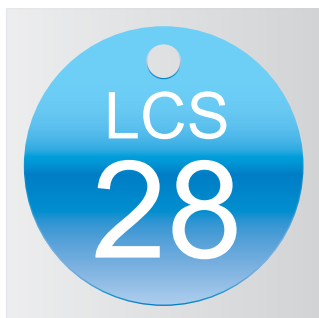- Barcode and QR codes available
- Outdoor durability

Size/Shape	PRICING		
	1-99	100-249	250+
1-1/2" Round	4.82	4.45	4.08
2" Round	4.82	4.45	4.08
1-1/2" Square	5.48	5.11	4.73
2" Square	5.48	5.11	4.73

Stainless Steel

- Precise laser etching
- .030 Type 316 Stainless Steel
- 3/16" top hole standard
- Temperature range: up to 2400º F
- Barcode and QR codes available
- Outdoor durability

Size/Shape	PRICING		
	1-99	100-249	250+
1-1/2" Round	5.38	4.93	4.67
2" Round	5.85	5.45	5.17
1-1/2" Square	5.38	4.93	4.67
2" Square	5.85	5.45	5.17

Anodized Aluminum

- Precise laser etching
- .032" aluminum
- 6 colors available
- Temperature range: up to 1400º F
- Barcode and QR codes available
- Outdoor durability

Size/Shape	PRICING		
	1-99	100-249	250+
1-1/2" Round	3.39	3.07	2.77
2" Round	3.80	3.48	3.17
1-1/2" Square	3.39	3.07	2.77
2" Square	3.80	3.48	3.17

Available Color and Letter Combinations

WHITE	WHITE	WHITE	WHITE	WHITE	WHITE

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	22.84
Stainless Steel	31.16

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	43.92
Stainless Steel	75.69

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

Brass	29.37
Stainless Steel	58.43

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

Zinc Hook	24.05

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

Nylon Ties	6.01

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

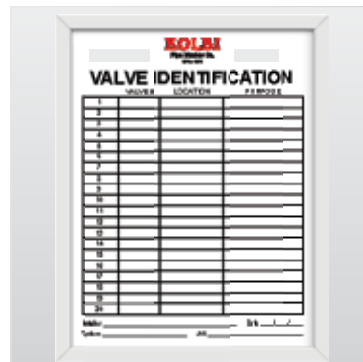|	
Copper (4 Strand)	35.28
Stainless Steel (4 Strand)	41.81
Seal Press	107.10

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

AVAILABLE IN FOUR COLORS

Per Sheet Adhesive	11.81
Per Printed Sheet Adhesive	31.29
Tacks (50/Box)	61.43

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

Valve Tag Chart Frame	24.94

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)

1/2 HOUR
1 HOUR
2 HOUR
3 HOUR
4 HOUR
NOT RATED

Barrier Type (Bottom Line 1" Text)

FIRE WALL
SMOKE WALL
FIRE/SMOKE WALL
FIRE BARRIER
SMOKE BARRIER
FIRE/SMOKE BARRIER
FIRE PARTITION
SMOKE PARTITION
FIRE/SMOKE PARTITION

1 HOUR
FIRE/SMOKE BARRIER

PROTECT ALL OPENINGS AND PENETRATIONS

ATTENTION: WORKERS CUTTING INTO WALL CONTACT BUILDING ENGINEER UPON COMPLETING WORK

TOP LINE 3" TEXT
BOTTOM LINE 1" TEXT
PROJECT AND CONTRACTOR INFORMATION

Building Engineer Phone: _____ Product Installed: _____
Installing Contractor: _____ Installing Contractor Phone: _____

10"   14"

Style	PRICING		
	3-9	10-24	25+
Standard Vinyl	11.76	10.80	9.76
Standard Reflective	12.76	11.80	10.76
Custom Vinyl	14.70	13.50	12.20
Custom Reflective	15.70	14.50	13.20

3" TAPE

1" TEXT

FIRE/SMOKE BARRIER PROTECT ALL OPENINGS   FIRE/SMOKE BARRIER PROTECT ALL OPENINGS   3"

6" TAPE

3" TEXT
1" TEXT

3 HOUR FIRE/SMOKE BARRIER   PROTECT ALL OPENINGS AND PENETRATIONS   ATTENTION: WORKERS CUTTING INTO WALL CONTACT BUILDING ENGINEER UPON COMPLETING WORK   6"

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	PRICING		
	1-9	10-24	25+
3" Tape	50.88	45.15	39.78
6" Tape	76.83	69.15	62.23

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

TOP LINE 3" TEXT
BOTTOM LINE 1" TEXT

3 HOUR
FIRE/SMOKE BARRIER

Style	PRICING		
	1 -9	10 - 24	25+
Standard Legend Stencil	40.00	35.00	30.00
Custom Legend Stencil	45.00	40.00	35.00

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

FIRE AND / OR SMOKE BARRIER PROTECT ALL OPENINGS — 8" / 72"

	PRICING		
Style	1-9	10-24	25+
Standard Vinyl	50.00	45.00	40.00
Reflective Vinyl	75.00	70.00	60.00

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

⚠ WARNING
This opening has been sealed with the following product(s):
DO NOT REMOVE!
To maintan UL Classification in retrofitting, reseal with UL approved fire stopping materials only.
Product Insatlled:
Date of Installation:
Installing Contractor:
Contractor Phone:
UL System #:
To Reorder Label Contact; Kolbi Inc. P: 800-499-8450, Product Number #12345

WARNING
FIRESTOP MATERIAL
DO NOT TAMPER OR REMOVE
To repair or retrofit contact:
PRO-FIRESTOP INC. 416-293-0993

Please visit
Firestoppingsigns.com
for ordering OSHA Firestop Signs

	STANDARD PRICING				CUSTOM PRICING			
Style	1 - 99	100 - 249	250+	Roll/250	1 - 99	100 - 249	250+	Roll/250
Vinyl	1.50	1.25	1.15	185.00	2.50	2.25	2.00	300.00
Reflective	3.50	3.20	2.90	N/A	4.50	4.20	3.90	N/A

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

	PRICING		
Style	1 - 99*	100 - 249	250+
Standard Tag	2.23	2.00	1.70
Tag With Contractor Info	2.89	2.59	2.30

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

WARNING
FIRESTOP MATERIAL
DO NOT TAMPER OR REMOVE
DATE INSTALLED:
ASSEMBLY NO:
PENETRATION BELONGS TO:
TO REPAIR OR RETROFIT CONTACT:
COMPANY:
PHONE NUMBER:

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

	PRICING		
Size	1-9	10-99	100-249
Standard 2" x 6"	4.11	3.63	3.03
Custom 2" x 6"	15.65	8.88	6.04

Combine quantities for best pricing.

AUXILIARY DRAIN — STANDARD TAG
ALARM TEST — CUSTOM TAG
ALSO AVAILABLE — Valve Tag Accessories — See Page 15

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

	PRICING		
Size	1-4	5-9	10+
Standard 7" x 10"	17.27	16.34	15.08
Custom 7" x 10"	20.13	19.24	17.42

Combine quantities for best pricing.

STANDARD SIGNS — CUSTOM SIGNS
YOUR CUSTOM INFORMATION PRINTED HERE

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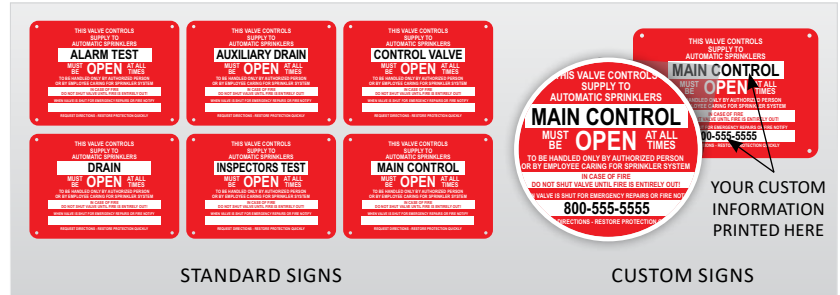
The same markers as our Adhesive Pipe Markers (see page 6), but specifically designed for fire protection identification. These highly durable markers are available in the most commonly used legends and as custom for more unique applications.

- Durable pressure sensitive vinyl with permanent adhesive
- Rated for indoor/outdoor use
- Service temperature range: -40º F to 180º F
- Up to 3 year outdoor life expectancy
- Application: Clean and dry surface above 50º F
- Meets ASME/ANSI A-13.1 2015 Standards and ASME/ANSI A-13.1 2020 Standards when used with Arrow Banding Tape (see page 7)

COMMONLY PURCHASED WITH
Arrow Banding Tape
See Page 7

ALSO AVAILABLE
CUSTOM
Custom Adhesive Markers
See Page 6

ARROW TAPE
SOLD SEPARATELY
(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	PRICING 1-99	100-249	250+
A	0.7" - 1.3"	9"	0.5"	0.66	0.59	0.53
B	1.4" - 2.4"	9"	0.75"	0.66	0.59	0.53
C	2.5" - 6.7"	14"	1.3"	1.79	1.60	1.41
D	6.8" - 10"	24"	2.5"	3.47	3.09	2.70
E	Over 10"	32"	3.5"	4.95	4.44	3.88

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 A13.1-2015 Standards and ASME/ANSI A-13.1 2020 Standards
- 10 sizes to fit most pipes

ALSO AVAILABLE
CUSTOM
Custom Wrap Around Markers
See Page 13

MARKERS EASILY SNAP ON TO PIPES

PRINTED ARROWS REDUCE INSTALLATION TIME

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	PRICING 1-99	100-249	250+
WAAA	Less than 5/8"	2-1/4"	1/4"	Coiled	2.61	2.37	2.06
WAA	Less than 3/4"	4"	1/4"	Coiled	2.61	2.37	2.06
WA	0.75" - 1"	0.5"	8"	Coiled	2.90	2.59	2.28
WB	1.1" - 2.4"	0.75"	8"	Coiled	2.51	2.27	1.98
WC	2.5" - 3.3"	1.3"	12"	Coiled	2.51	2.27	1.98
WD	3.4" - 4.5"	1.3"	12"	Coiled	3.82	3.45	3.03
WE	4.6" - 5.9"	1.3"	12"	Coiled	7.41	6.60	5.81
WF*	6" - 6.7"	1.3"	12"	Flat*	7.88	7.06	6.38
WG*	6.8" - 10"	2.5"	24"	Flat*	8.27	7.41	6.54
WH*	Over 10"	3.5"	32"	Flat*	8.27	7.41	6.54
Additional Nylon Ties	36" (WF) .65	48" (WG/WH) .90					

Combine quantities for best pricing.   **Ships flat with nylon ties included.*

Valve Tags
Specifically designed for fire protection valves.
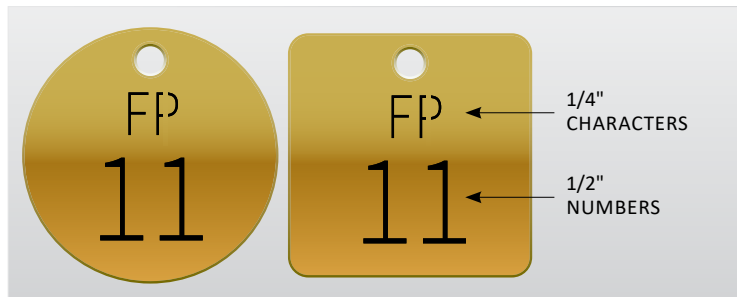
Custom Stamped Brass
- .036" (19 guage) material
- Black filled

Size/Shape	PRICING		
	1-99	100-249	250+
1-1/2" Round	2.65	2.42	2.24
2" Round	3.08	2.73	2.55
1-1/2" Square	2.89	2.65	2.47
2" Square	3.18	2.84	2.66

Engraved Plastic
- Standard 1/16" acryllic material
- 1/8", outdoor and 2-sided material available

Size/Shape	PRICING		
	1-99	100-249	250+
1-1/2" Round	1.70	1.49	1.28
2" Round	2.23	2.03	1.80
1-1/2" Square	1.70	1.49	1.28
2" Square	2.23	2.03	1.80

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

STANDARD COLORS
LETTERS
LETTERS
LETTERS
LETTERS

FIRE SPRINKLER WATER

SPRINKLER WATER

AVAILABLE WITH HOLES OR ADHESIVE

ALSO AVAILABLE
Custom Colors & Sizes
See Page 14

Size	PRICING		
	1-99	100-249	250+
1" x 2"	3.10	2.85	2.50
1" x 3"	3.70	3.40	3.00
1" x 4"	4.10	3.75	3.25
1-1/2" x 4"	5.35	4.90	4.30
2" x 3"	5.35	4.90	4.30
2" x 4"	6.00	5.50	4.80
2-1/2" x 4"	6.40	5.90	5.10
2" x 6"	6.70	6.15	5.35
3" x 4"	6.70	6.15	5.35
3" x 5"	7.20	6.60	5.75
3" x 6"	7.70	7.10	6.15
4" x 6"	8.45	7.75	6.75
4" x 8"	10.10	9.30	8.10
4" x 12"	13.25	12.20	10.60
6" x 12"	17.50	16.10	14.00
8" x 12"	19.55	18.00	15.65
12" x 12"	28.80	26.50	23.05
12" x 18"	39.25	36.10	31.40

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

	PRICING		
Style	1-9	10-19	20+
Standard	8.58	7.80	6.90
With Logo	26.80	23.89	21.31
With Logo and Data	33.94	30.98	28.34

Standard

HYDRAULIC - SYSTEM

Drawing _____ Date _____
Project _____
Address _____
Location _____
No. of Sprinklers _____
Basis of Design

Density _____ GPM/SQ. FT.
Designed Area of Discharge _____ SQ. FT.

System Demand (at Base of Riser)
GPM Discharge _____ GPM
Residual Pressure _____ PSI
Hose Stream Allowance _____ GPM
Occupancy Classification _____

With Logo

HYDRAULIC - SYSTEM

Drawing _____ Date _____
Project _____
Address _____
Location _____
No. of Sprinklers _____
Basis of Design

Density _____ GPM/SQ. FT.
Designed Area of Discharge _____ SQ. FT.

System Demand (at Base of Riser)
GPM Discharge _____ GPM
Residual Pressure _____ PSI
Hose Stream Allowance _____ GPM
Occupancy Classification _____

VALLEY FIRE PROTECTION SYSTEMS
555 SOUTH KIRK ROAD
ST. CHARLES, IL 60174
FOR 24 HOUR EMERGENCY SERVICE CALL:
630-761-3168

With Logo and Data

HYDRAULIC - SYSTEM

Drawing FP1 Date 06/2018
Project POLAR TECH INDUSTRIES
Address 415 E RAILROAD AVENUE
Location WAREHOUSE
No. of Sprinklers 21
Basis of Design

Density .70 GPM/SQ. FT.
Designed Area of Discharge 2000 SQ. FT.

System Demand (at Base of Riser)
GPM Discharge 2190 GPM
Residual Pressure 41.80 PSI
Hose Stream Allowance 500 GPM
Occupancy Classification LIGHT HAZARD

VALLEY FIRE PROTECTION SYSTEMS
555 SOUTH KIRK ROAD
ST. CHARLES, IL 60174
FOR 24 HOUR EMERGENCY SERVICE CALL:
630-761-3168

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

	PRICING		
	1-4	5-9	10+
Standard	22.50	21.00	19.58
Custom	28.58	25.49	22.43
Reflective	26.67	24.00	22.76
Reflective Custom	30.84	27.76	26.35

FDC · FDC · FDC · FDC · FDC STANDPIPE
FDC DRY STANDPIPE · FDC AUTO SPRINKLER · FIRE DEPARTMENT CONNECTION DO NOT BLOCK · FIRE DEPARTMENT SPRINKLER CONNECTION · FIRE DEPARTMENT CONNECTION

CUSTOM FDC SIGNS AVAILABLE → FDC YOUR COMPANY NAME

FDC SIGNS ALSO AVAILABLE IN WHITE ON RED → FDC
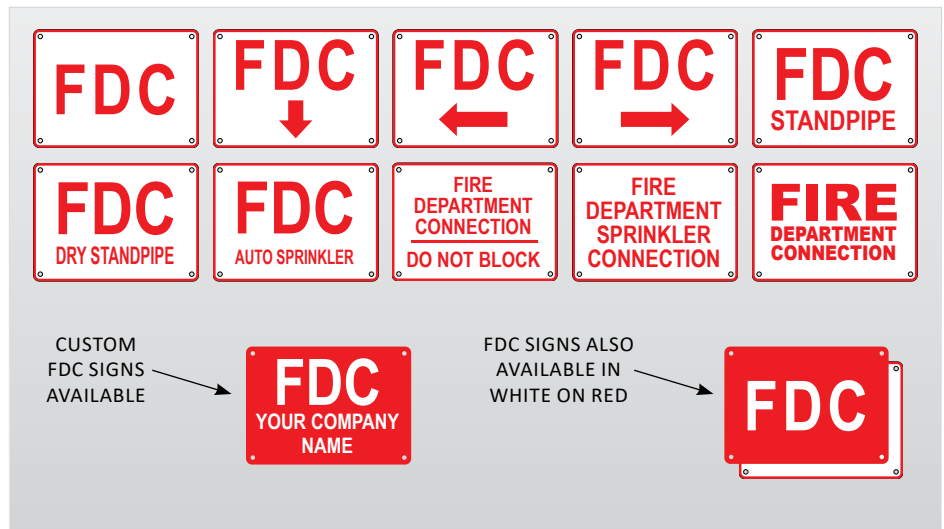
Custom NFPA Signs

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

	PRICING		
Diamond Size	1-9	10-24	25-49
4" x 4"	5.06	4.41	3.83
8" x 8"	13.39	11.69	10.15
10" x 10"	21.35	21.35	21.35
15" x 15"	28.82	25.07	21.75
18" x 18"	37.24	31.29	26.13
24" x 24"	48.03	39.39	32.31

ADD A HAZARD RATING SYMBOL

FLAMMABILITY HAZARD RATING
HEALTH HAZARD RATING
INSTABILITY HAZARD RATING
SPECIAL HAZARD IDENTIFIER

Hazard Rating Symbols

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

IIAR Bulletin No. 114 2021
Guidlines 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. 2021 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).

Abbreviation Section

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

Physical State
LIQ (Yellow)
VAP (Blue)

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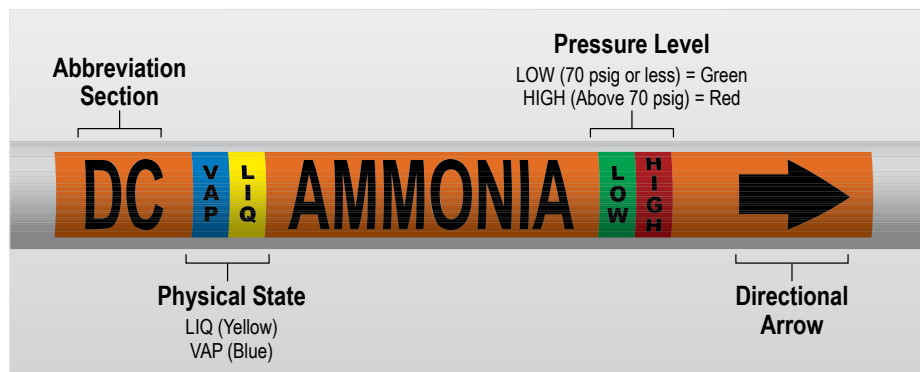
Physical State
- If refrigerant state is liquid, LIQ should be printed black on a yellow band.
- If refrigerant is in the vapor state, VAP should be printed black on a sky blue band.
- If the refrigerant is in both vapor and liquid states both VAP and LIQ bands should be present.

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

Item #	Legend	Abbr.	State	Pressure
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	VAP	LOW
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

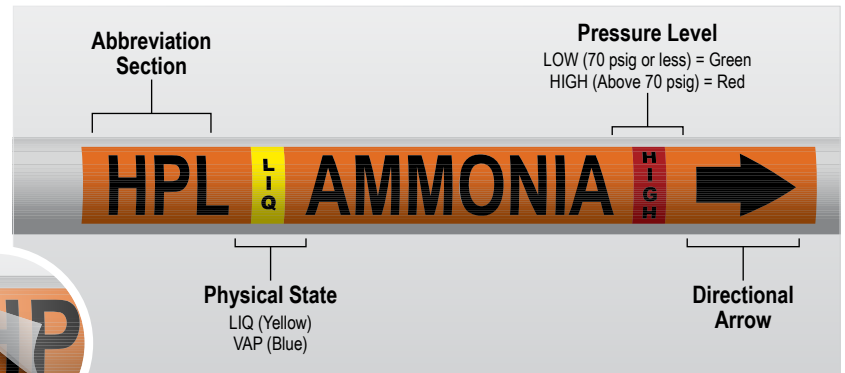## Adhesive Ammonia Markers

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 overlaminate to ensure longevity in the label's intended environment.

- Durable pressure sensitive vinyl material with permanent adhesive
- Includes weather proof UV resistant overlaminate
- 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)

ALSO AVAILABLE
CUSTOM
Call For Pricing

Abbreviation Section

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

HPL LIQ AMMONIA HIGH ➡

Physical State
LIQ (Yellow)
VAP (Blue)

Directional Arrow

Kolbi Style	Pipe OD (including insulation)	Letter Size	Marker Size	PRICING 1-49	50-99	100+
AA	3/4" to 1-1/4"	1/2"	1" x 9"	3.73	3.54	3.39
AB	1-1/2" to 2-1/4"	3/4"	1-1/2" x 12"	4.05	3.85	3.53
AC	2-1/2" to 7-7/8"	1-1/4"	2-1/2" x 16"	5.17	4.90	4.53
AD	8" to 10"	2-1/2"	3-1/2" x 24"	6.74	6.40	6.06
AE	Over 10"	3-1/2"	4-1/2" x 32"	8.43	8.08	7.72

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

ALSO AVAILABLE
CUSTOM
Call For Pricing

MEETS IIAR 4.1.6 SPECIFICATIONS

HSD VAP AMMONIA HIGH ➡
DC LIQ AMMONIA HIGH ➡

ARROWS INCLUDED ON MARKERS

Style	Pipe OD including insulation	Shape	Marker Width	Letter Size	PRICING 1-49	50-99	100+
AWA	3/4" to 1"1/2"	Coiled	8"	1/2"	9.37	7.43	6.44
AWB	1-1/8" to 2-1/4"	Coiled	8"	3/4"	9.98	7.92	6.87
AWC	2-1/2" to 3-1/4"	Coiled	12"	1-1/4"	11.91	9.45	8.17
AWD	3-3/8" to 4-1/2"	Coiled	12"	1-1/4"	15.11	11.96	10.39
AWE	4-5/8" to 5-7/8"	Coiled	12"	1-1/4"	16.54	13.10	11.36
AWFF*	6" to 7-7/8"	Flat	12"	1-1/4"	16.54	13.10	11.36
AWF**	6" to 7-7/8"	Coiled	12"	1-1/4"	24.75	21.57	17.96
AWGF*	8" to 10"	Flat	24"	2-1/2"	22.05	17.47	13.85
AWG**	8" to 10"	Coiled	22-1/2"	2-1/2"	32.42	28.17	23.80
AWHF*	10"+	Flat	32"	3-1/2"	23.65	18.73	14.87
AWH**	10"+	Coiled	22-1/2"	3-1/2"	35.72	32.14	28.96

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 Arounds.

Combine quantities for best pricing.

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.

ALSO AVAILABLE CUSTOM →
Call For Pricing

- 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

ACCUMULATOR LOW

Per IIAR Bulletin 2021
Pressure band no longer required

MEETS 2017 IIAR 4.2.2 SPECIFICATIONS

Style	Letter Size	Marker Size	1-49	50-99	100+
			PRICING		
ACM	2-1/2"	3-1/2" x 24"	7.70	6.13	5.51

Combine quantities for best pricing.

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 alumunum carrier
- Easy to install
- Includes two pre-cut 316 stainless steel self-locking straps
- Meets IIAR Bulletin 114 for letter height
- Extra arrow included

STAINLESS STEEL STRAPS
INCLUDED

SELF-LOCKING STAINLESS STEEL STRAPS INCLUDED IN PRICING

HPL LIQ AMMONIA HIGH →

ALSO AVAILABLE CUSTOM →
Call For Pricing

MARKER IMAGE IS PRINTED DIRECTLY TO THE CARRIER SO THAT YOU NEVER HAVE TO WORRY ABOUT A LABEL PEELING OFF

Strapping Tool

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

Strapping Tool	179.50

Style	Pipe OD (Incl. Insulation)	Letter Size	Carrier Size	Carrier Dimensions	1-49	50-99	100+	Additional Arrow Price	SS Strap Length	Additional SS Straps
					PRICING					
CAB	1-3/8" to 2"	3/4"	Extra Small	2-1/2"H x 14"W	14.37	13.19	12.35	0.58	33"	.80
CAC	2-1/8" to 7"	1-1/4"	Small	3-1/2"H x 20"W	16.01	14.69	13.78	1.59	33"	.80
CAD	7-1/8" to 10"	2-1/2"	Medium	4-7/8"H x 26"W	19.94	18.31	17.14	2.12	47"	1.20
CAE	Over 10"	3-1/2"	Large	6-3/16"H x 33"W	23.87	21.87	20.51	2.92	60"	1.50

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 overlaminate 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 completly 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 IIAR Bulletin 114 2021

HIGH PERFORMANCE PRECOILED MARKER
Clear Adhesive Strip
Easily peeled from backing

HIGH PERFORMANCE FLAT MARKER WITH STRAPS

EXAMPLE SHOWN STYLE: AHPGF

Pipe OD (Incl. Insulation)	Kolbi Style	Marker Length around the pipe (circumference)	Marker Width	Letter Size	Type	Installation Method	PRICING		
							1 - 99	100 - 249	250 +
Less than 0.5"	AHPA	2"	4"	0.25"	Precoiled	Adheres to itself with adhesive strip	3.00	2.75	2.60
0.5" - 1.3"	AHPB	5"	8"	0.5"	Precoiled	Adheres to itself with adhesive strip	5.70	5.13	4.87
1.4" - 2.4"	AHPC	9"	8"	0.75"	Precoiled	Adheres to itself with adhesive strip	7.00	6.30	5.99
2.5" - 4.75"	AHPD	17"	12"	1.25"	Precoiled	Adheres to itself with adhesive strip	10.35	9.32	8.85
5" - 7.875"	AHPE	26"	12"	1.25"	Precoiled	Adheres to itself with adhesive strip	14.30	12.87	12.23
8" - 10"	AHPFF	10"	24"	2.5"	Flat with strap	Straps on with self locking 316 stainless steel strap	18.00	16.20	15.39
10" +	AHPGF	12"	32"	3.5"	Flat with strap	Straps on with self locking 316 stainless steel strap	22.00	19.80	18.81
8" - 10"	AHPF*	34"	24"	2.5"	Flat - coil on site	Adheres to itself with adhesive strip	28.00	25.20	23.94
10" - 14"	AHPG*	46"	32"	3.5"	Flat - coil on site	Adheres to itself with adhesive strip	32.00	28.80	27.36

*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 overlaminate.

- The most durable solution for your pipes
- Resistant stainless steel
- Stainless steel straps included
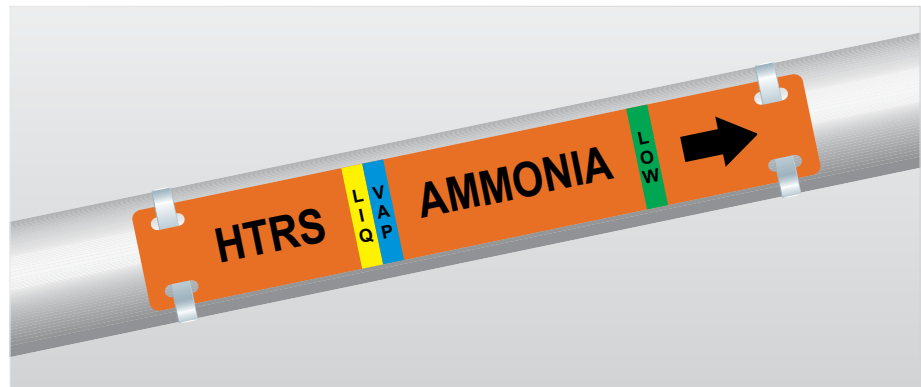
Style	Pipe OD (Incl. Insulation)	Letter Size	Carrier Size	Carrier Dimensions	PRICING			Additional Arrow Price	SS Strap Length	Additional SS Straps
					1-49	50-99	100+			
CAA	1/2" to 1-1/4"	1/2"	Mini	1-1/2" x 10"	11.48	10.56	9.92	0.43	8"	0.37

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	SINGLE SIDED PRICING			DOUBLE SIDED PRICING		
	1-99	100-249	250+	1-99	100-249	250+
1-1/2" Round	5.38	4.93	4.67	7.26	6.65	6.30
2" Round	5.85	5.45	5.17	7.89	7.35	6.97
1-1/2" Square	5.38	4.93	4.67	7.26	6.65	6.30
2" Square	5.85	5.45	5.17	7.89	7.35	6.97
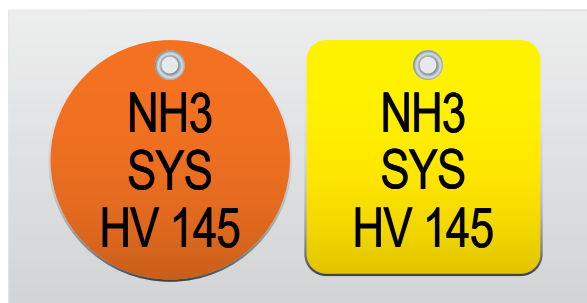
Plastic

- 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	SINGLE SIDED PRICING			DOUBLE SIDED PRICING		
	1-99	100-249	250+	1-99	100-249	250+
1-1/2" Round	2.56	2.32	2.02	3.50	3.13	2.75
2" Round	3.07	2.87	2.57	4.10	3.87	3.47
1-1/2" Square	2.56	2.32	2.02	3.50	3.13	2.75
2" Square	3.07	2.87	2.57	4.10	3.87	3.47

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.

PLEASE CONTACT US FOR YOUR CUSTOM TAG NEEDS!
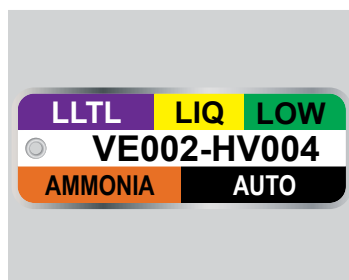
Multi-Valve Tags
- Stainless Steel

Size	PRICING		
	1-99	100-249	250+
1-1/4" x 3"	6.93	6.17	5.61
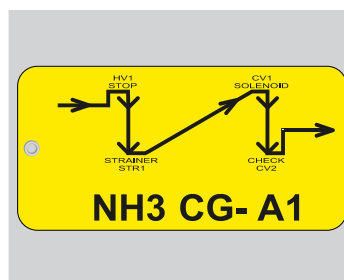
Block Valve Tags
- Engraved Multi-ply Plastic

Size	PRICING		
	1-99	100-249	250+
2" x 4"	6.80	6.05	5.50
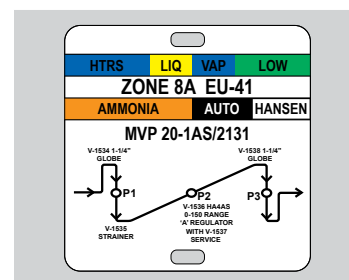
Combination Tags
- Stainless Steel & Aluminum

Size	PRICING		
	1-99	100-249	250+
3" x 3" SS	9.51	8.46	7.70
3" x 3" AL	6.47	5.75	5.24

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 . . . . 3.12 each
6" Stainless Steel . . . . 1.75 each

Aluminum 2 Hole Seal With Steel 12" Wire
- 12" long Galvanized Steel Cable
- Lightweight and can be easily sealed with pliers

100-Pack 156.16

Lead Meter Seals and Sealing Press
- 12" long
- Sold in packages of 100
- Seal with Sealing Press

Stainless Steel (4 Strand) . 41.81
Steel Press 107.10

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)

CUSTOM SIGNS AVAILABLE
Call For More Info

Style	PRICING
Pressure-Sensitive Vinyl	30.21
Plastic (.040)	36.57

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

ALSO AVAILABLE
CUSTOM
Call For Pricing

Style	PRICING	
	Individual	Set of 6
Pressure-Sensitive Vinyl	7.84	41.34
Plastic (.040)	9.54	50.35

Stack Light Signs

RED LIGHT
MACHINERY ROOM VENTILATION FAILURE

AMBER LIGHT
SAFETY RELIEF VENT LINE AMMONIA DETECTION ACTIVATED 700 PPM AMMONIA DETECTED

BLUE LIGHT
150 PPM OF AMMONIA DETECTED IN MACHINERY ROOM

YELLOW LIGHT
25 PPM OF AMMONIA DETECTED IN MACHINERY ROOM

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

AVAILABLE
CUSTOMIZED
Call For Pricing

AMMONIA DETECTION ALARM

GENERAL ALARM

Custom NFPA Signs

FLAMMABILITY HAZARD RATING
HEALTH HAZARD RATING
INSTABILITY HAZARD RATING
SPECIAL HAZARD IDENTIFIER

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

HAZARD RATING SYMBOLS

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

Size	PRICING		
	1-9	10-24	25-49
10" x 10"	21.35	18.79	16.73
15" x 15"	28.82	25.07	21.75

Other sizes available. Call for Info.

Sign panels (images)

AMMONIA REFRIGERATION MARKER LAYOUT DETAILS
LTRS AMMONIA

ANHYDROUS AMMONIA

SNOWFLAKE FROZEN FOOD PRODUCTS

REFRIGERATION MACHINERY ROOM — AUTHORIZED PERSONNEL ONLY

CAUTION — EYE AND EAR PROTECTION REQUIRED IN THIS AREA

CAUTION AMMONIA R-717

REFRIGERATION MACHINERY ROOM VENTILATION — EMERGENCY USE ONLY

REFRIGERATION MACHINERY ROOM SHUT DOWN — EMERGENCY USE ONLY

⚠WARNING — WHEN ALARMS ARE ACTIVATED AMMONIA HAS BEEN DETECTED.
1. LEAVE ROOM IMMEDIATELY
2. DO NOT ENTER EXCEPT BY TRAINED AND AUTHORIZED PERSONNEL
3. DO NOT ENTER WITHOUT PERSONAL PROTECTIVE EQUIPMENT.

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

BLUE	WHITE
RED	WHITE
ORANGE	BLACK
YELLOW	BLACK
PURPLE	WHITE
WHITE	BLACK
BLACK	WHITE
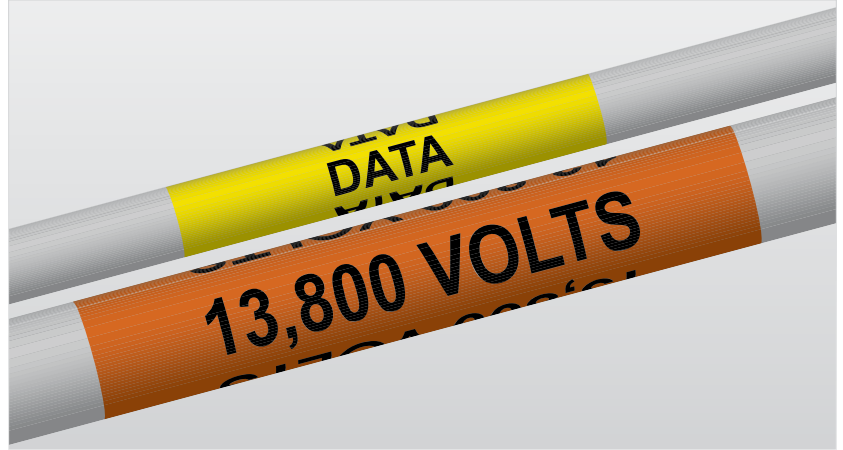
| Kolbi Style	Pipe OD (Include Insulation)	Letter Size	Shape	STANDARD PRICING			CUSTOM PRICING		
				1-99	100-249	250+	1-99	100-249	250+
WAAA	Less than 5/8"	1/4"	Coiled	2.72	2.46	2.14	2.82	2.56	2.24
WAA	Less than 3/4"	1/4"	Coiled	2.72	2.46	2.14	2.82	2.56	2.24
WA	3/4" - 1"	1/2"	Coiled	3.14	2.80	2.47	3.88	3.49	3.09
WB	1-1/8" to 2-3/8"	3/4"	Coiled	4.13	3.74	3.29	5.01	4.47	3.96
WC	2-1/2" to 3-1/4"	1-1/4"	Coiled	8.01	7.14	6.29	9.27	8.27	7.26
WD	3-3/8" to 4-1/2"	1-1/4"	Coiled	8.52	7.64	6.90	9.52	8.52	7.52

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

BLUE	WHITE
RED	WHITE
ORANGE	BLACK
YELLOW	BLACK
PURPLE	WHITE
WHITE	BLACK
BLACK	WHITE

MARKERS PEEL INDIVIDUALLY
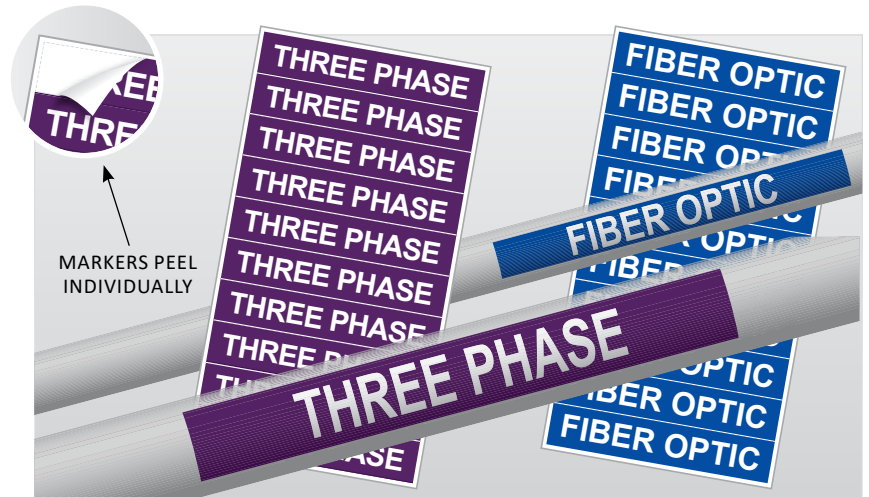
Style	Marker Size	Letter Size	STANDARD PRICING			CUSTOM PRICING		
			1-99	100-249	250+	10(min) - 99	100-249	250+
ES (sm)	3/4" x 2-1/2" (10 per sheet)	1/2"	2.88	2.61	2.27	3.57	3.23	2.81
EM (med)	1" x 9"	3/4"	0.71	0.63	0.56	1.18	1.06	0.95
EL (lg)	2" x 9"	1-1/4"	1.91	1.73	1.51	2.19	1.97	1.74

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).

- Tempature Range: -40°F to 250°F
- Material .010 Polyester
- Indoor Life Expectancy: Indefinite
- Outfoor Life Expectancy: 5-7 years
- UV Resitant
- 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.

STANDARD CABLE MARKERS

CAUTION
FIBER OPTIC CABLE
TYPE _____
COUNT _____

CAUTION
FIBER OPTIC CABLE

CUSTOM CABLE MARKER

CAUTION
FAA FIBER OPTIC CABLE
TRACER WIRE
FROM FOL 507
TO FOL 508
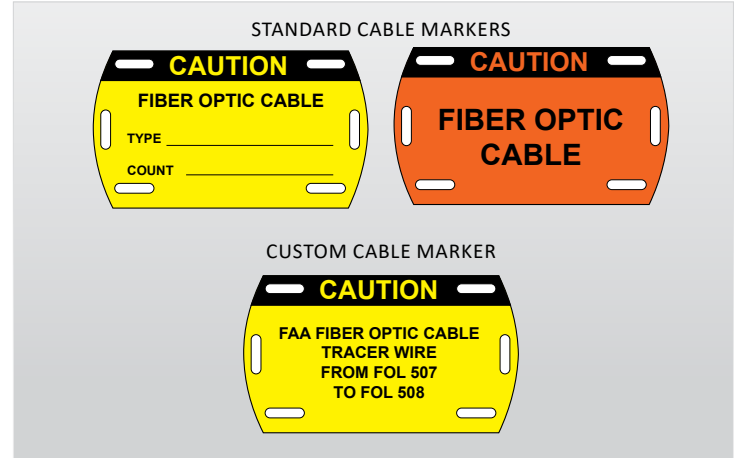
Style	PRICING		
	1 - 49*	50 - 249	250+
Standard Legend	2.10	1.84	1.47
Custom Legend	3.15	2.63	2.37

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

Stainless Steel Cable Markers

Stainless Steel Cable Markers are a perfect option for when extra durability is needed. Made of 316 Stainless Steel, these tough cable markers perform well in harsh conditions as they are resistant to high temperatures, water, and chemicals. When installing our Stainless Steel Cable Markers, we recommend using our self-locking Stainless Steel straps for strong hold and quick installation process.

- 316 Stainless Steel
- Large variety of sizes available
- Dark Laser etched text
- Contact us for more information and pricing

GIVE US A CALL FOR
Pricing & More Info

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 preperation of the cable before installation.

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

GIVE US A CALL FOR
Pricing & More Info

COMES IN SHEETS OF 15

WRAPS AROUND ENTIRE LABEL
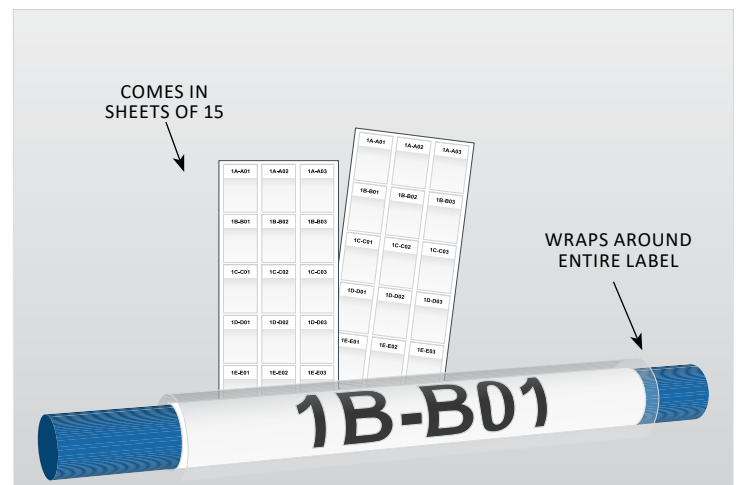
Electrical Identification

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

ALSO AVAILABLE

CUSTOM

Call for Pricing

Style	1-9	10-24	25+
3"X4"	12.50	5.94	4.05
4"X6"	13.60	6.72	4.73

*Artwork charges may apply for custom labels

EXAMPLES OF SOME OF OUR STANDARD ARC FLASH LABEL LAYOUTS
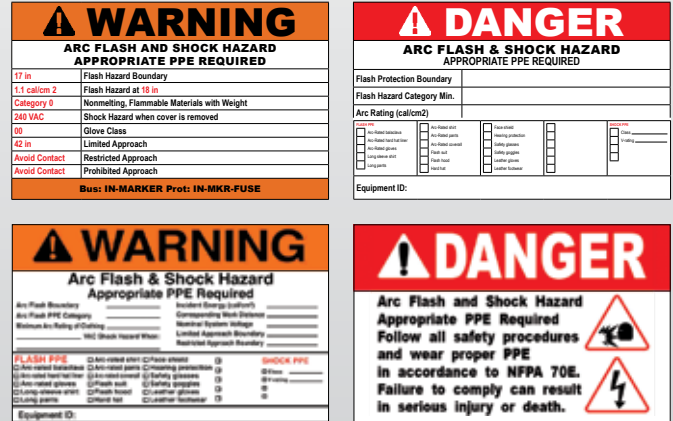
Lockout Facility Signage

Lockout safety signage is a great way to inform workers of your facility's lock-out safety procedures as well as any potential hazardous that may occur.

- Spanish and Bilingual options available
- Available in three matrials: vinyl, plastic and aluminum
- Plastic and aluminum has 4 corner holes for mounting

ALSO AVAILABLE

CUSTOM

Facility Signage
See Page 35

Size	Vinyl	Plastic	Aluminum
7" x 10"	13.60	18.82	22.13
10" x 14"	16.52	21.06	31.79
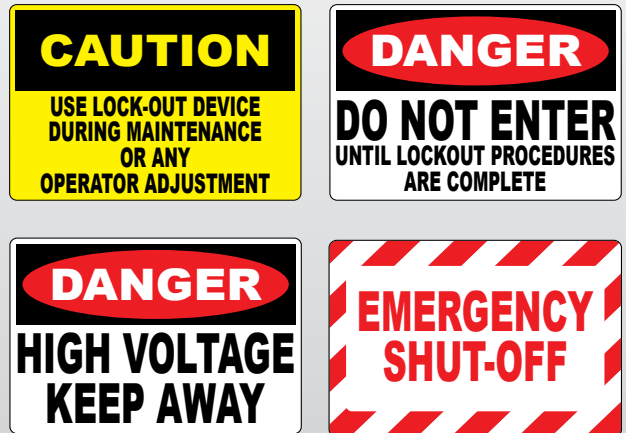
Lockout Tags

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

		PRICING		
	Size	1 - 99	100 - 249	250+
Standard	5-3/4" X 3"	2.51	2.25	2.00
		10 (Min) - 99	100-249	250+
Custom	5-3/4" X 3"	3.24	2.92	2.60

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

| Single Gang Duplex Receptacle | Double Gang Duplex Receptacle | Three Gang Duplex Receptacle | Single Gang Toggle Switch | Double Gang Toggle Switch | Three Gang Toggle Switch | Single Gang GFCI Rocker | Double Gang GFCI Rocker | Three Gang GFCI Rocker | Single Gang One Receptacle | Double Gang One Receptacle | Three Gang One Receptacle |

Ordering Process

|	
1	Send us the wall plates you would like to be marked or ask us to provide the wall plates for you.
2	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.
3	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.
4	Approve your sample image, and we are off to the races to complete your wall plate order!

For 30mm plates please contact us or visit us at printedwallplates.com to place your order
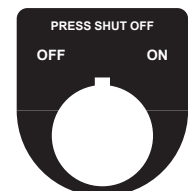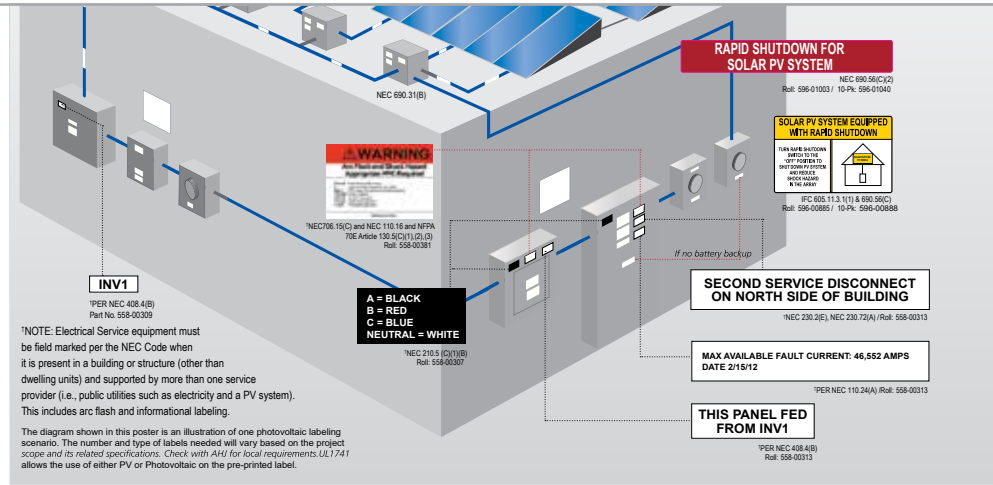
Photovoltaic Solar Labels

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 overlaminate for additional protection in challenging environments

- Meets 2023 NEC, NFPA, OSHA and ANSI standard requirements (other years available)

NEC 690.31(B)

RAPID SHUTDOWN FOR SOLAR PV SYSTEM
NEC 690.56(C)(2)
Roll: 596-01003 / 10-Pk: 596-01040

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN
TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUT DOWN PV SYSTEM AND REDUCE SHOCK HAZARD IN THE ARRAY
IFC 605.11.3.1(1) & 690.56(C)
Roll: 596-00885 / 10-Pk: 596-00888

⚠ WARNING Arc Flash and Shock Hazard Appropriate PPE Required
¹NEC706.15(C) and NEC 110.16 and NFPA 70E Article 130.5(C)(1),(2),(3)
Roll: 558-00381

INV1
¹PER NEC 408.4(B)
Part No. 558-00309

¹NOTE: Electrical Service equipment must be field marked per the NEC Code when it is present in a building or structure (other than dwelling units) and supported by more than one service provider (i.e., public utilities such as electricity and a PV system). This includes arc flash and informational labeling.

The diagram shown in this poster is an illustration of one photovoltaic labeling scenario. The number and type of labels needed will vary based on the project scope and its related specifications. Check with AHJ for local requirements.UL1741 allows the use of either PV or Photovoltaic on the pre-printed label.

A = BLACK
B = RED
C = BLUE
NEUTRAL = WHITE
¹NEC 210.5 (C)(1)(B)
Roll: 558-00307

If no battery backup

SECOND SERVICE DISCONNECT ON NORTH SIDE OF BUILDING
¹NEC 230.2(E), NEC 230.72(A) /Roll: 558-00313

MAX AVAILABLE FAULT CURRENT: 46,552 AMPS DATE 2/15/12
¹PER NEC 110.24(A) /Roll: 558-00313

THIS PANEL FED FROM INV1
¹PER NEC 408.4(B)
Roll: 558-00313

PV SYSTEM DISCONNECT
⚠ WARNING
ELECTRIC SHOCK HAZARD TERMINALS ON THE LINE AND LOAD SIDES MAY BE IN THE OPEN POSITION
Part # PVL-2023-001
3" x 4"

⚠ WARNING
ELECTRIC SHOCK HAZARD
TERMINALS ON THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION
Part # PVL-2023-002
2" x 4"

⚠ WARNING
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"

⚠ WARNING
POWER SOURCE OUTPUT CONNECTION DO NOT RELOCATE THIS OVERCURRENT DEVICE
Part # PVL-2023-004
2" x 4"

⚠ WARNING
PHOTOVOLTAIC SYSTEM COMBINER PANEL
DO NOT ADD LOADS
Part # PVL-2023-005
2" x 4"

⚠ WARNING
DO NOT DISCONNECT UNDER LOAD
Part # PVL-2023-006
2" x 4"

DC DISCONNECT
⚠ WARNING
MAXIMUM VOLTAGE OF PV SYSTEM: ___ VOLTS
Part # PVL-2023-007
2" x 4"

AC JUNCTION BOX
⚠ WARNING
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"

DC JUNCTION BOX
⚠ WARNING
ELECTRIC SHOCK HAZARD DO NOT DISCONNECT UNDER LOAD
PHOTOVOLTAIC POWER SOURCE
Part # PVL-2023-0015
3" x 3"

DC COMBINER BOX
⚠ WARNING
MAXIMUM VOLTAGE OF PV SYSTEM: ___ VOLTS
Part # PVL-2023-0010
2" x 4"

SOLAR INVERTER
⚠ WARNING
MAXIMUM VOLTAGE OF PV SYSTEM: ___ VOLTS
Part # PVL-2023-0011
2" x 4"

⚠ WARNING
ELECTRIC SHOCK HAZARD
THE DC CONDUCTORS OF THIS PHOTOVOLTAIC SYSTEM ARE UNGROUNDED AND MAY BE ENERGIZED
Part # PVL-2023-0012
3" x 3"

⚠ CAUTION
PV OUTPUT CIRCUIT
Part # PVL-2023-008
1" x 4"

⚠ CAUTION
INVERTER OUTPUT CIRCUIT
Part # PVL-2023-009
1" x 4"

⚠ CAUTION SOLAR CIRCUIT
Part # PVL-2023-0018
1" x 4"

PHOTOVOLTAIC SYSTEM kWh METER
Part # PVL-2023-0017
1" x 4"

AC DISCONNECT
Part # PVL-2023-0021
1" x 4"

DC DISCONNECT
Part # PVL-2023-0019
1" x 4"

⚠ WARNING
TURN OFF PHOTOVOLTAIC AC DISCONNECT PRIOR TO WORKING INSIDE PANEL
Part # PVL-2023-0016
2" x 4"

AC DISCONNECT
PHOTOVOLTAIC SYSTEM POWER SOURCE
RATED AC OUTPUT CURRENT
NOMINAL OPERATING AC VOLTAGE ___ VOLTS
Part # PVL-2023-0020
2-1/2" x 4"

⚠ WARNING
DUAL POWER SUPPLY
SOURCES: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM
Part # PVL-2023-0013
1" x 3"

⚠ WARNING
SINGLE 120-VOLT SUPPLY
DO NOT CONNECT MULTIWIRE BRANCH CIRCUITS
Part # PVL-2023-0022
2" x 4"

⚠ WARNING
THE DISCONNECTION OF THE GROUNDED CONDUCTOR(S) MAY RESULT IN OVERVOLTAGE ON THE EQUIPMENT
Part # PVL-2023-0023
2" x 4"

CIRCUIT 1 ... CIRCUIT 5 (circuit label grid)
Part # PVL-2023-0024
5" x 3-3/4"

⚠ WARNING
SOLAR ELECTRIC BREAKER IS BACKFED
Part # PVL-2023-0025
1" x 4"

PHOTOVOLTAIC POWER SOURCE
Part # PVL-2023-0026
1" x 4"

SOLAR PV DC CIRCUIT
Part # PVL-2023-0027
1" x 4"

⚠ CAUTION
MULTIPLE SOURCES OF POWER
Part # PVL-2023-0028
1" x 4"

RAPID SHUTDOWN SWITCH FOR SOLAR SYSTEM
Part # PVL-2023-0029
1-3/4" x 5"

MAXIMUM VOLTAGE
MAXIMUM CIRCUIT CURRENT
MAX. RATED OUTPUT CURRENT OF THE CHARGE CONTROLLER OR DC-TO-DC CONVERTER (IF INSTALLED)
Part # PVL-2023-0030
1-3/4" 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 AC MODULE PROTECTION PER CIRCUIT ___ A
Part # PVL-2023-0031
2" x 4"

DIRECT CURRENT PHOTOVOLTAIC POWER SOURCE
MAXIMUM VOLTAGE ___ VDC
MAX CIRCUIT CURRENT ___ AMPS
Part # PVL-2023-0032
2" x 4"

PHOTOVOLTAIC SOLAR SYSTEM DISCONNECT
Part # PVL-2023-0033
2" x 4"

ON CLOSED ON CLOSED ON OFF OPEN OFF OPEN 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"

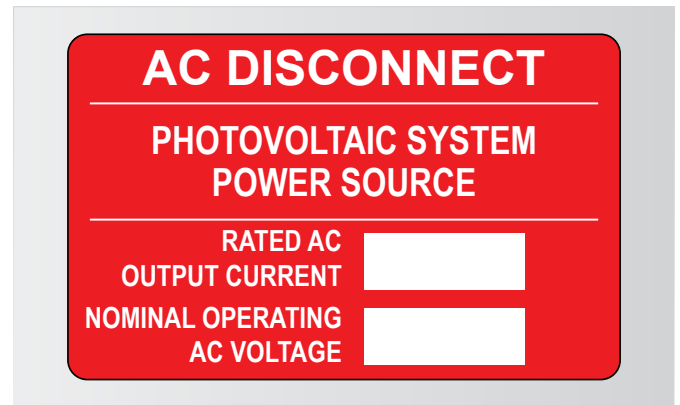| Sizes	STANDARD VINYL PRICING				REFLECTIVE VINYL PRICING			
	1-49	50-99	100-249	250+	1-49	50-99	100-249	250+
1" x 3"	0.77	0.71	0.66	0.62	0.77	0.71	0.66	0.62
1" x 4"	0.80	0.74	0.71	0.67	0.80	0.74	0.71	0.67
1-3/4" x 5"	1.14	1.06	1.01	0.95	1.14	1.06	1.01	0.95
2" x 4"	1.14	1.06	1.01	0.95	1.14	1.06	1.01	0.95
2-1/2" x 4"	1.14	1.06	1.01	0.95	1.14	1.06	1.01	0.95
3" x 3"	0.95	0.88	0.83	0.77	0.95	0.88	0.83	0.77
3" x 4"	1.25	1.16	1.12	1.06	1.25	1.16	1.12	1.06
5" x 3-3/4"	2.51	2.33	2.23	2.12	2.51	2.33	2.23	2.12
10" x 2-1/2"	5.44	5.05	4.75	4.28	8.78	8.40	8.10	7.63

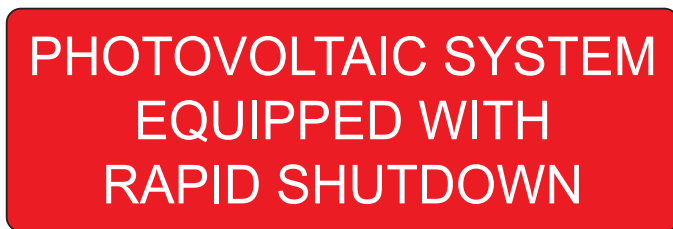ALSO AVAILABLE
CUSTOM
Call for Info

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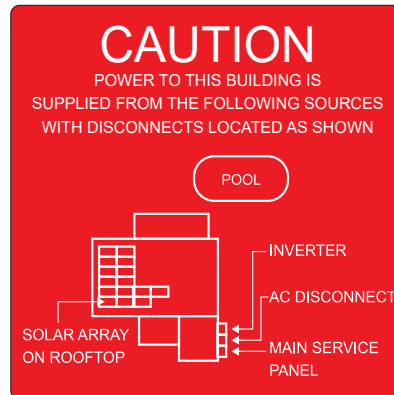
- Durable multi-ply, rigid blended acrylic material
- Available in 4 materials: 1/16" 2-ply (standard), 1/8" 2 or 3-ply, or Phenolic
- Call for pricing

AC DISCONNECT

PHOTOVOLTAIC SYSTEM
POWER SOURCE

RATED AC OUTPUT CURRENT

NOMINAL OPERATING AC VOLTAGE

Examples of Placards

PHOTOVOLTAIC SYSTEM EQUIPPED WITH RAPID SHUTDOWN

1¾" x 5"

CAUTION
POWER TO THIS BUILDING IS SUPPLIED FROM THE FOLLOWING SOURCES WITH DISCONNECTS LOCATED AS SHOWN

POOL
INVERTER
AC DISCONNECT
SOLAR ARRAY ON ROOFTOP
MAIN SERVICE PANEL

5" X 5"

PHOTOVOLTAIC SYSTEM AC DISCONNECT

OPERATING CURRENT   14.4 AMPS
OPERATING VOLTAGE   240 VOLTS

2" x 4"

WARNING
DUAL POWER SUPPLY

SOURCES: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM

2" x 4"

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

Standard Sizes		
7" x 10"	10" x 14"	14" x 20"

DANGER

RISK OF ELECTRICAL SHOCK

DISCONNECT POWER BEFORE SERVICING

Examples of Signage

WARNING
DUAL POWER SOURCE
SECOND SOURCE IS PHOTOVOLTAIC SYSTEM

DANGER
SOLAR ELECTRIC
HIGH VOLTAGE

WARNING
HAZARDOUS VOLTAGE FED BY TWO SOURCES
DISCONNECT ALL SOURCES OF POWER BEFORE SERVICING

DANGER
HIGH VOLTAGE
AUTHORIZED PERSONNEL ONLY
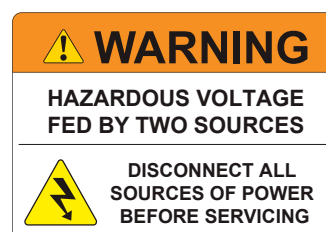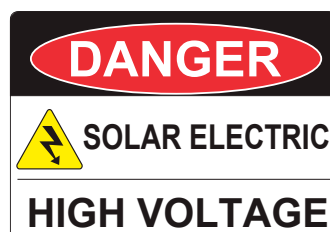
Custom Signs, Labels and Tags

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 overlaminate - additional protection against UV, abrasion and chemicals
- Quantities under 500 are sold on sheets, while quantities over 500 can sold be on a roll

Size (Sq. In)	Vinyl							Vinyl with Overlaminate						
	1 - 4	5 - 9	10 - 49	50 - 99	100 - 499	500 - 999	1000+	1 - 4	5 - 9	10 - 49	50 - 99	100 - 499	500 - 999	1000+
Up to 5	12.90	9.68	6.77	4.40	2.86	1.86	1.12	16.77	12.58	8.80	5.72	3.72	2.42	1.45
5.1 - 10	13.90	10.43	7.30	4.74	3.08	2.00	1.20	18.07	13.55	9.49	6.17	4.01	2.61	1.56
10.1 - 20	15.20	11.40	7.98	5.19	3.37	2.19	1.31	19.76	14.82	10.37	6.74	4.38	2.85	1.71
20.1 - 30	16.30	12.23	8.56	5.56	3.62	2.35	1.41	21.19	15.89	11.12	7.23	4.70	3.06	1.83
30.1 - 40	18.20	13.65	9.56	6.21	4.04	2.62	1.57	23.66	17.75	12.42	8.07	5.25	3.41	2.05
40.1 - 50	19.30	14.48	10.13	6.59	4.28	2.78	1.67	25.09	18.82	13.17	8.56	5.57	3.62	2.17
50.1 up	Call For Pricing													
	Temperature range: -40º F to 176º F Application temperature: Above 50º F Outdoor life expectancy: 2 years							Temperature range: -40º F to 176º F Application temperature: Above 50º F Outdoor life expectancy: 5 years						

Labels ordered in quantities over 500' total length can be requested in rolls

Hard Hat Labels

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

- Permanent adhesive labels
- Available in two sizes
- Multiple colors

Style	PRICING		
	100 (min.)	250	500+
2" Round	1.05	0.87	0.72
3" Round	1.32	1.33	1.03

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 (call for pricing)
- Brass grommet included for extra strength and tear resistance
- 5-3/4" x 3" tags

Style	PRICING		
	10 (Min) - 99	100-249	250+
Vinyl	3.24	2.91	2.59
Nylon Ties (100/pkg)			5.30

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

OTHER SIZES AVAILABLE
Call for Pricing

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

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

Size (sq inch)	Self-Adhesive Vinyl			Plastic			.040 Aluminum			.040 Reflective Aluminum		
	1-9	10-24	25+	1-9	10-24	25+	1-9	10-24	25+	1-9	10-24	25+
7" x 10"	12.10	11.30	10.30	16.75	15.25	14	19.70	18.40	16.50	27.00	25.00	22.00
10" x 14"	14.70	13.50	12.20	18.75	17.25	16.15	28.30	26.40	23.80	32.00	30.00	28.00
12" x 18"	22.05	20.25	18.30	28.91	26.84	24.68	38.00	34.20	30.40	48.00	44.00	40.00
14" x 20"	26.46	24.30	21.96	35.24	33.78	31.25	44.80	42.25	38.10	55.00	50.00	44.00

Kolbi customers love our quality, service and simplicity but that isn't all they love about us.
SEE WHAT THEY'RE SAYING!

The quality of the product is high, the pricing is good and the people are friendly.

GOOD JOB KOLBI!

Andre L.

Kolbi's **FREE TAKE OFFS** eliminate the need for multiple orders on my projects.

Rob B.

Everything is **FAST** and **EASY.**

Mike G.

I ORDER IT AND IT'S HERE!

Dean F.

I just started in the industry and was referred to you guys.

I WON'T BE ORDERING ANYWHERE ELSE!

Kaleb B.

Extremely helpful, knowledgeable.

DELIVERY TIME IS AMAZING!

Leon S.

THE PACKING WAS AWESOME!
The way it is organized by floor, clear as day, is perfect.

Ryan U.

VISIT OUR WEBSITE

KOLBI
PIPE MARKER CO.

VISIT OUR LINKEDIN