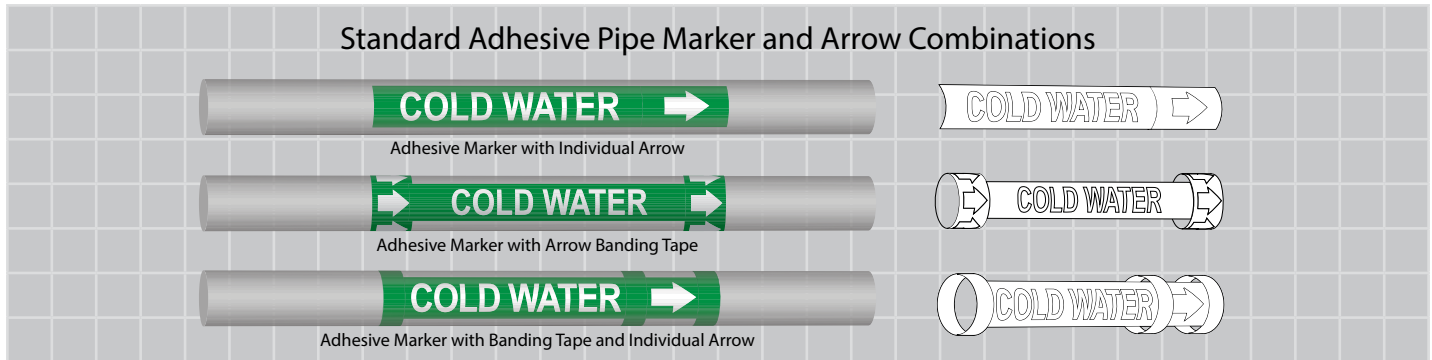


Kolbi adhesive markers are constructed of durable premium grade, outdoor vinyl to withstand exposure to harsh elements. The permanent, pressure sensitive adhesive will adhere to most clean/dry surfaces and stay there for many years. All markers are constructed for easy removal from the liner to speed up installation. Markers comply with ASME A13.1-2015 "Scheme for the Identification of Piping Systems" (see second page) when used with Arrow Banding Tape or Individual Arrow Markers.



Marker and Pipe Size References

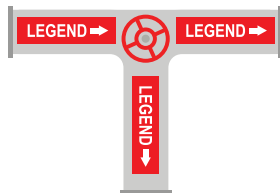
Kolbi Style	Pipe Outer Diameter (Includes Insulation)		Length of Color Field		Letter Height	
A	3/4" - 1-1/4"	19 - 32 mm	9"	229mm	1/2"	13mm
B	1-1/2" - 2-3/8"	38 - 51 mm	9"	229mm	3/4"	19mm
C	2-1/2" - 7-7/8"	63.5 - 178mm	14"	356mm	1-1/4"	32mm
D	8" - 10"	204 - 254 mm	24"	610mm	2-1/2"	64mm
E	Over 10"	254mm +	32"	813mm	3-1/2"	89mm

Standards Met	ANSI/ASME A13.1-2015 "Scheme for Identification of Piping Systems", ANSI Z535.1 "Safety Color Code"	
Available Colors	See second page	
Standard Legends	See second page	
Customization	Customize legends, marker color, letter color	
Installation Instructions	Apply to clean dry surface	
Installation Temperature	Above 50° F	
Service Temperature	-40°F to 176° F (-40°C to 82.22°C)	
Water Resistance	Good, Product has passed submersion tests	
Finish	High Gloss	
Material Properties	4 Mil vinyl with pressure sensitive adhesive backing	
Adhesive Properties	Aggressive permanent acrylic adhesive	
	Stainless Steel: 54 oz/in (594 N/m)	Acrylic: 56 oz/in (616 N/m)
	Glass: 53 oz/in (599 N/m)	Polypropylene: 51 oz/in (561 N/m)
	Expected Shear: 5 hours	Tack: gm (740)
Ink Properties	Inks resistant to fading with UV exposure, Semi-Gloss Finish	
Storage Stability	2 years stored at 70°F (21°C) and 50% RH	
Indoor/Outdoor Durability	4 to 6 years	
Abrasion Resistance	Good	
Chemical Resistance	Resistant to Acids, Alkalis and Salts	
Equivalent To	Marking Services MS-900, Seton Opti-Code, Brimar EZ Pipe Markers, Brady Pipe Markers	

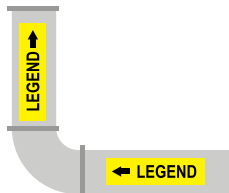
DATE	MM	DD	YYYY	JOB
CONTRACTORNAME				

110° HOT WATER RETURN	DEIONIZED WATER	HOT WATER RETURN	REFRIGERANT SUCTION
110° HOT WATER SUPPLY	DISTILLED WATER	HOT WATER SUPPLY	RETURN
140° HOT WATER RETURN	DOMESTIC COLD WATER	HYDROGEN	ROOF DRAIN
140° HOT WATER SUPPLY	DOMESTIC COLD WATER RETURN	INDUSTRIAL COLD WATER	SANITARY DRAIN
ACID	DOMESTIC COLD WATER SUPPLY	INDUSTRIAL HOT WATER	SANITARY SEWER
ACID VENT	DOMESTIC HOT WATER	INDUSTRIAL WATER	SANITARY VENT
ACID WASTE	DOMESTIC HOT WATER RECIRC	INSTRUMENT AIR	SANITARY WASTE
AIR	DOMESTIC HOT WATER RETURN	LAB AIR	SNOWMELT RETURN
AMMONIA	DOMESTIC HOT WATER SUPPLY	LAB VACUUM	SNOWMELT SUPPLY
ARGON	DOMESTIC WATER	LAB VENT	SOFT WATER
ASBESTOS FREE	DRAIN	LAB WASTE	SOLAR RETURN
BOILER BLOW DOWN	DUAL TEMP RETURN	LOW PRESSURE CONDENSATE	SOLAR SUPPLY
BOILER FEED WATER	DUAL TEMP SUPPLY	LOW PRESSURE STEAM	SPRINKLER
CARBON DIOXIDE	FILTERED WATER	MAKE-UP WATER	SPRINKLER FIRE
CARBON DIOXIDE	FIRE PROTECTION WATER	MEDICAL AIR	SPRINKLER WATER
CHILLED WATER	FIRE SPRINKLER WATER	MEDICAL VACUUM	STEAM
CHILLED WATER RETURN	FUEL OIL	MEDIUM PRESSURE CONDENSATE	STEAM CONDENSATE
CHILLED WATER SUPPLY	FUEL OIL RETURN	MEDIUM PRESSURE STEAM	STEAM RETURN
CHLORINE	FUEL OIL SUPPLY	NATURAL GAS	STEAM SUPPLY
CIRCULATING WATER	GAS	NATURAL GAS 2 PSI	STORM DRAIN
CITY WATER	GLYCOL	NITROGEN	STORM SEWER
COLD WATER	GLYCOL RETURN	NITROGEN	STORM WATER
COLD WATER RETURN	GLYCOL SUPPLY	NITROUS OXIDE	SUMP PUMP DISCHARGE
COLD WATER SUPPLY	HEAT PUMP RETURN	NON-POTABLE WATER	SUPPLY
COMPRESSED AIR	HEAT PUMP SUPPLY	OXYGEN	TEMPERED WATER
COMPRESSED AIR	HEATING HOT WATER RETURN	PLANT AIR	TOWER WATER
CONDENSATE	HEATING HOT WATER SUPPLY	POTABLE COLD WATER	TOWER WATER RETURN
CONDENSATE DRAIN	HEATING RETURN	POTABLE HOT WATER	TOWER WATER SUPPLY
CONDENSATE RETURN	HEATING SUPPLY	POTABLE WATER	VACUUM
CONDENSER WATER RETURN	HEATING WATER RETURN	PROCESS WATER	VENT
CONDENSER WATER SUPPLY	HEATING WATER SUPPLY	PROPANE GAS	WASTE
CONDENSER WATER	HIGH PRESSURE CONDENSATE	PUMPED CONDENSATE	WASTE
COOLING WATER	HIGH PRESSURE GAS	RAIN WATER	WASTE WATER
COOLING WATER RETURN	HIGH PRESSURE STEAM	REFRIGERANT	WATER
COOLING WATER SUPPLY	HOT WATER	REFRIGERANT LIQUID	WELL WATER

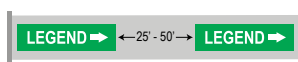
Location of Identification Markers



Adjacent To Valves & Flanges



Adjacent To Directional Changes



Every 25 - 50ft On Straight Pipes



At Each Side Of Floor Or Wall Pass-through

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
Compressed Air	LETTERS
Defined By User	LETTERS
Defined By User	LETTERS
Defined By User	LETTERS
Defined By User	LETTERS