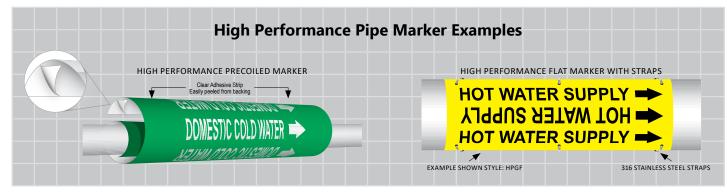
#### **PRODUCT SPECIFICATION SHEET**

## **High Performance Adhesive Pipe Markers**

**2020 ANSI/ASME Standards** 

High Performance Pipe Markers are used when a high temperture range, 360° view and high UV light resistance is needed. Our High Performance markers are also very easy to install and require no cleaning or preperation of the pipe before installation.



Style	Outside	Outside Diameter		Marker Length	Text Height	Mounting Options
HPA	less than 0.5"	< 12.7mm	the Pipe (circumfrence) 5" (127mm)	8"	0.25" (6.35mm)	Adheres to itself with adhesive strip
HPB	0.5" - 1.3"	12.7 - 33mm	9"	8"	0.5" (13mm)	Adheres to itself with adhesive strip
HPC	1.4" - 2.4"	36 - 61mm	12"	12"	0.7" (19mm)	Adheres to itself with adhesive strip
HPD	2.5" - 4.9"	64 - 125mm	17"	12"	1.3" (32mm)	Adheres to itself with adhesive strip
HPE	5" - 6.7"	127 - 170mm	26"	12"	1.3" (32mm)	Adheres to itself with adhesive strip
HPFF	6.8" - 10"	173 - 254mm	10"	24"	2.5" (64mm)	Straps on with self-locking 316 stainless steel straps
HPGF	10" +	254mm +	12"	32"	3.5" (89mm)	Straps on with self-locking 316 stainless steel straps
HPF*	6.8" - 10"	173 - 254mm	34"	24"	2.5" (64mm)	Adheres to itself with adhesive strip
HPG*	10" - 14"	254 - 356mm	46"	32"	3.5" (89mm)	Adheres to itself with adhesive strip

<sup>\*</sup>Full Wraparounds

Standards Met	ANSI/ASME A13.1-2020 "Scheme for Identification of Piping Systems" ANSI Z535.1 "Safety Color Code"
Installation Instructions	No surface preparation necessary, Sizes HPA through HPE, and sizes HPFF and HPGF wrap completly around the pipe and are secured by adhering to themselves with our high strength adhesive. Sizes HPF and HPG strap on with self-locking 316 Stainless Steel Straps.
Service Temperature	-40°F to 248°F (-40° C to 120°C)
Water Resistance	Excellent
Finish	Gloss Finish
Material Properties	High Preformance Pipe Markers are constructed with 2 mil polyeyster with a 1 mil polyester overlaminate.
Ink Properties	Inks resistant to fading with UV exposure
Storage Stability	Indefinite at 70°F (21°C) and 50% RH
Chemical Resistance	Resistant to Acids, Alkalis and Salts
Abrasion Resistance	Great
Outdoor Durability	7+ years
Equivalent To	Seton Ultra-Mark, Marking Services MS-995 Pipe Markers, Brimar High Temp. Markers

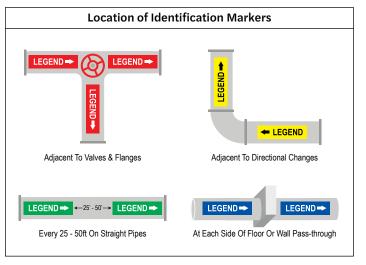
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### KOLBI PIPE MARKER CO.

# PRODUCT SPECIFICATION SHEET

# High Performance Pipe Markers

LEGEND #	LEGEND	LEGEND	LEGEND	LEGEND #	LEGEND	LEGEND	LEGEND
L355	110° HOT WATER RETURN	L158	DISTILLED WATER	L531	HEATING WATER SUPPLY	L279	PROPANE GAS
L500	110° HOT WATER RETURN	L161	DOMESTIC COLD WATER	L532	HEATING WATER SUPPLY	L280	PUMPED CONDENSATE
L361	110° HOT WATER SUPPLY	L159	DOMESTIC COLD WATER RETURN	L533	HIGH PRESSURE CONDENSATE	L550	PUMPED CONDENSATE
L501	110° HOT WATER SUPPLY	L160	DOMESTIC COLD WATER SUPPLY	L534	HIGH PRESSURE CONDENSATE	L282	RAIN WATER
L357	140° HOT WATER RETURN	L166	DOMESTIC HOT WATER	L535	HIGH PRESSURE GAS	L283	REFRIGERANT
L502	140° HOT WATER RETURN	L511	DOMESTIC HOT WATER	L536	HIGH PRESSURE STEAM	L287	REFRIGERANT LIQUID
L364	140° HOT WATER SUPPLY	L175	DOMESTIC HOT WATER RECIRC	L537	HIGH PRESSURE STEAM	L288	REFRIGERANT SUCTION
L35	140° HOT WATER SUPPLY	L512	DOMESTIC HOT WATER RECIRC	L538	HOT WATER	L290	RETURN
L559	ABANDONED	L174	DOMESTIC HOT WATER RETURN	L539	HOT WATER	L35	RETURN
L100	ACID	L513	DOMESTIC HOT WATER RETURN	L223	HOT WATER RETURN	L293	ROOF DRAIN
L503	ACID	L172	DOMESTIC HOT WATER SUPPLY	L540	HOT WATER RETURN	L291	SANITARY DRAIN
L102	ACID VENT	L514	DOMESTIC HOT WATER SUPPLY	L224	HOT WATER SUPPLY	L292	SANITARY SEWER
L504	ACID VENT	L165	DOMESTIC WATER	L541	HOT WATER SUPPLY	L294	SANITARY VENT
L105	ACID WASTE	L515	DOMESTIC WATER	L225	HYDROGEN	L295	SANITARY WASTE
L505	ACID WASTE	L167	DRAIN	L542	HYDROGEN	L297	SNOWMELT RETURN
L111	AIR	L516	DRAIN	L128	INDUSTRIAL COLD WATER	L298	SNOWMELT SUPPLY
L115	AMMONIA	L152	DUAL TEMP RETURN	L127	INDUSTRIAL HOT WATER	L300	SOFT WATER
L506	AMMONIA	L517	DUAL TEMP RETURN	L543	INDUSTRIAL HOT WATER	L303	SOLAR RETURN
L118	ARGON	L157	DUAL TEMP SUPPLY	L125	INDUSTRIAL WATER	L304	SOLAR SUPPLY
L119	ASBESTOS FREE	L518	DUAL TEMP SUPPLY	L231	INSTRUMENT AIR	L307	SPRINKLER
L120	BOILER BLOW DOWN	L176	FILTERED WATER	L232	LAB AIR	L309	SPRINKLER WATER
L121	BOILER FEED WATER	L519	FIRE DAMPER	L234	LAB VACUUM	L316	STEAM
L122	CARBON DIOXIDE	L520	FIRE PROTECTION	L230	LAB VENT	L551	STEAM
L507	CARBON DIOXIDE	L180	FIRE PROTECTION WATER	L544	LAB VENT	L317	STEAM CONDENSATE
L124	CARBON DIOXIDE	L181	FIRE SPRINKLER WATER	L233	LAB WASTE	L552	STEAM CONDENSATE
L131	CHILLED WATER	L188	FUEL OIL	L545	LAB WASTE	L310	STEAM RETURN
L35	CHILLED WATER RETURN	L185	FUEL OIL RETURN	L238	LOW PRESSURE CONDENSATE	L319	STEAM SUPPLY
L129	CHILLED WATER SUPPLY	L186	FUEL OIL SUPPLY	L546	LOW PRESSURE CONDENSATE	L553	STEAM SUPPLY
L133	CHLORINE	L189	GAS	L240	LOW PRESSURE STEAM	L313	STORM DRAIN
L508	CHLORINE	L521	GEOTHERMAL WATER RETURN	L547	LOW PRESSURE STEAM	L314	STORM SEWER
L134	CITY WATER	L522	GEOTHERMAL WATER SUPPLY	L246	MAKE-UP WATER	L315	STORM WATER
L137	COLD WATER	L191	GLYCOL	L247	MEDICAL AIR	L320	SUMP PUMP DISCHARGE
L135	COLD WATER RETURN	L523	GLYCOL	L249	MEDIUM PRESSURE CONDENSATE	L321	SUPPLY
L136	COLD WATER SUPPLY	L190	GLYCOL RETURN	L250	MEDIUM PRESSURE STEAM	L554	SUPPLY
L138	COMPRESSED AIR	L524	GLYCOL RETURN	L548	MEDIUM PRESSURE STEAM	L328	TEMPERED WATER
L139	COMPRESSED AIR	L195	GLYCOL SUPPLY	L255	NATURAL GAS	L555	TEMPERED WATER
L142	CONDENSATE	L525	GLYCOL SUPPLY	L256	NATURAL GAS 2 PSI	L326	TOWER WATER
L509	CONDENSATE	L201	HEAT PUMP RETURN	L258	NITROGEN	L324	TOWER WATER RETURN
L143	CONDENSATE DRAIN	L202	HEAT PUMP SUPPLY	L259	NITROGEN	L325	TOWER WATER SUPPLY
L35	CONDENSATE DRAIN	L208	HEATING HOT WATER RETURN	L260	NITROUS OXIDE	L329	VACUUM
L103	CONDENSATE RETURN	L526	HEATING HOT WATER RETURN	L262	NON-POTABLE WATER	L556	VACUUM
L510	CONDENSATE RETURN	L210	HEATING HOT WATER SUPPLY	L549	NON-POTABLE WATER	L331	VENT
L145	CONDENSER WATER RETURN	L527	HEATING HOT WATER SUPPLY	L560	NON-POTABLE WATER	L557	VENT
L146	CONDENSER WATER SUPPLY	L204	HEATING RETURN	L266	OXYGEN	L332	WASTE
L147	CONDENSER WATER	L528	HEATING RETURN	L267	PLANT AIR	L558	WASTE
L150	COOLING WATER	L207	HEATING SUPPLY	L268	POTABLE COLD WATER	L334	WASTE
L148	COOLING WATER RETURN	L529	HEATING SUPPLY	L269	POTABLE HOT WATER	L336	WASTE WATER
L149	COOLING WATER SUPPLY	L211	HEATING WATER RETURN	L273	POTABLE WATER	L339	WATER
L153	DEIONIZED WATER	L530	HEATING WATER RETURN	L276	PROCESS WATER	L340	WELL WATER
2100	DEIONIEED WATER	2000		2210	- INCOLOG WATER	2040	WELLWATER



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				