

LABELING PRODUCTS & SERVICES

2023 Catalog



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MSC CORE PHILOSOPHY

Logical, thorough, and consistent communication is imperative for the safe and reliable operation of commercial and process facilities. At MSC, we want to help you establish guidelines and specifications to communicate meaningful information to facility personnel in support of safe operations, emergency response, and compliance with regulatory requirements through an effective and durable plant labeling system. We want your facility to be set up with “best practices” for plant labeling products, services, and instant access to critical asset information using mobile technology.

Durable labeling installed properly and effectively is intended to support process safety management and uninterrupted production by providing critical information to plant personnel in a standardized and consistent manner. The objectives of asset management and identification from MSI are designed to deliver the following benefits:

1) Process Safety Management (PSM):

PSM is an integral part of safe, reliable, and effective plant operations. The benefits of enhancing a PSM program with respect to labeling include:

- Enhanced facility safety & productivity
- Improved operator training
- Assistance for maintenance personnel by providing instant access to asset information like operation and maintenance manuals and work procedures direct at the asset
- Reduced risk of equipment downtime
- Aid & support for emergency response personnel

2) Hazard Reduction and the Prevention of Human Error:

A comprehensive and effective labeling program contributes to the effective functioning of process operations and limits the potential for downtime or injuries due to operations or maintenance errors.

3) Uniformity of Labeling Nomenclature:

A labeling program that is standardized and consistent contributes to the flow of information and feedback among all affected departments including: operations, maintenance, safety, environmental, quality, administration, supply, and management. Information flow regarding piping, equipment, valves, instrumentation, and hazards shall be understood by all parties because of the standard definitions and specific identification included on each label, sign, or tag.

4) Regulatory Compliance:

Industries subject to government oversight or compliance testing can store critical data directly at the asset location and retrieve this data during inspections. Using mobile technology, critical information can be retrieved at the asset without having to dig for information in engineering libraries.



Want more information? Visit our website to see our full assortment of products and services.
www.markservcanada.ca

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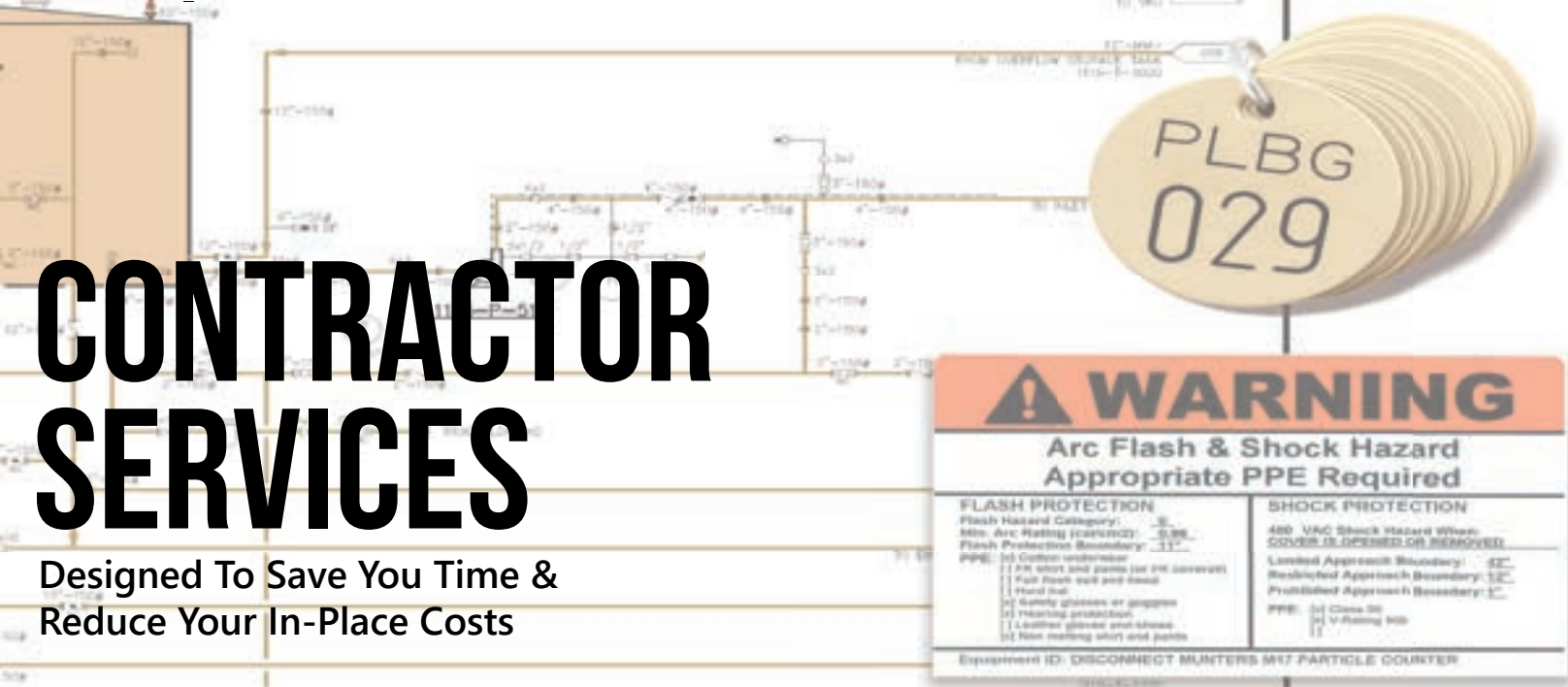
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CONTRACTOR SERVICES

Designed To Save You Time & Reduce Your In-Place Costs

 Ensures Accuracy  Saves Money  Saves Time

MATERIAL TAKE-OFF SERVICE

Our take-off service for identification lowers in-place costs and provides added value for our customers. This service is designed for a wide range of projects in data centers, EVB healthcare, government, public safety, medical, education, and telecommunications facilities. Working with us from the beginning saves time you would otherwise spend creating a list of identification products. As a bonus, we will prepare any and all labeling submittal documents and address any RFI's to meet your requirements.

1. Submit drawings, specs, symbol sheet, and insulation schedule.
2. Our team will mark and color-code drawings, showing location.
3. Once a purchase order is submitted, you will receive a bill of materials.
4. We will schedule a review/edit call to make any changes and update proposal, marked up drawings, and bill of materials.
5. We manufacture your high-quality custom identification in-house.
6. We then package your order by drawing, area, system, etc. making the sorting and installation process more efficient.

PACK-BY SERVICE

We offer special packaging services for your identification order. This eliminates labor your workers would normally spend sorting identification labels on-site. Instead, they can take the boxes to the designated sections and begin installation.

PACK-BY BINDERS

Our Pack-By Service can also include Pack-By Binders. With Pack-By Binders, all your electrical labels will arrive in a binder that has been pre-sorted to your specifications prior to delivery. See page 29 for more information.



OWNER SERVICES

Providing Value With Unmatched Turnkey Services

Our Owner Services provide you with a single source for all of your facility identification needs. By organizing the elements of each facility's asset information, we standardize labeling thereby promoting safer work conditions. We help you manage your facilities better, achieving long-term cost savings associated with faster, more efficient plant commission, start-ups, and improved operator training. We have expertise in streamlining labeling and providing custom labeling solutions for major construction projects or existing facilities.

TECHNICAL DRAFTING SERVICES

We focus on the development of accurate as-built drafting products and services for any industry. From P&IDs to facility site plans, our drawings visually communicate valuable asset information and are an essential tool for engineering, maintenance, and health & safety personnel. In the absence of accessible quality information, we utilize 3D laser scanning technology to collect data about a facility's operating environment to use in the development of accurate P&IDs and labeling.

INSTALLATION SERVICES

Our turnkey installation process systematically installs permanent asset identification without you devoting personnel time or direct supervision. Our crews are experts at installing identification in a timely, consistent, and safe manner.

ENGINEERING

Our staff of full-time professionals is experienced in the intricacies of developing and implementing a total identification system. Our engineering uses a comprehensive approach to creating an efficient identification program for your facility.

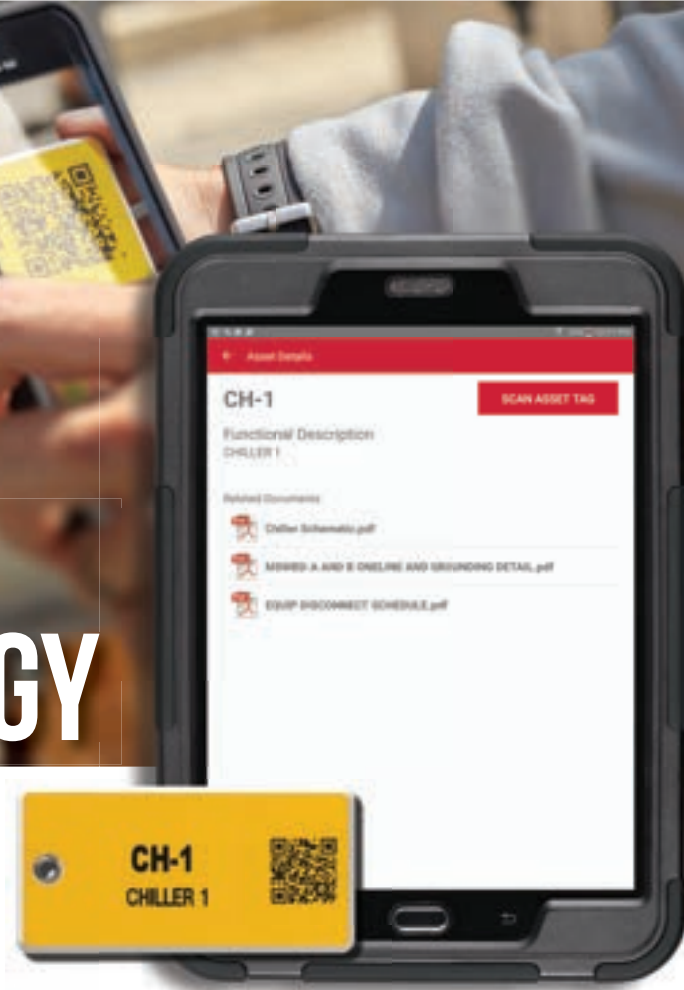
PIPE MARKERS

AIM & ATLAS MOBILE TECHNOLOGY

TAKE ASSET IDENTIFICATION AND PROCEDURE EXECUTION TO THE NEXT LEVEL

AIM Mobile Technology is a user-friendly asset and document management application built for safer and more efficient operations. It allows service technicians and auditors the ability to upload documents to a secure asset database and access them by simply scanning the associated QR code in the field.

ATLAS is a mobile procedure management application integrated with AIM, it's designed to make your operations safer & more efficient. Users are able to easily scan assets in the field with a mobile device and bring up step-by-step visual procedures.



COMMON ITEMS INCLUDED IN AIM DATABASE:

- Customized AIM Forms
- Work Orders
- Preventative Maintenance Orders
- Inspection Checklists
- Maintenance & Service Manuals
- Schematics
- Drawings
- Commissioning Reports

BENEFITS OF ATLAS:

- Promotes Effective Training
- Digitizes Procedures
- Mitigates User Errors
- Increases Efficiency
- Location & Asset Confirmation
- Increases Accuracy

1. Coiled Pipe Markers

These pipe markers are built with a pre-coiled design, allowing for easy installation by wrapping around the pipe and self-sealing. They can be removed and reinstalled for easy access to the pipe surface.

2. Self-Adhesive Pipe Markers

Printed on premium quality, fade-resistant material, our Self-Adhesive Pipe Markers are used to address multiple labeling needs from line service designations to system color-coding.

3. Duct Markers

Printed on a highly visible self-adhesive material, our Duct Markers are used to identify airflow/equipment in a ductwork system. Our Plenum-Rated Duct Markers are used in plenums to help prevent the spread of smoke & gases in the event of a fire.

4. Carrier Pipe Markers

MS-995 Carrier Pipe Markers are designed to withstand harsh conditions in indoor and outdoor piping environments. The curved design enhances visibility and minimizes the impact of direct sunlight.





MS-995 Coiled Pipe Markers

MS-995 Coiled Pipe Markers are manufactured for extended life in harsh surroundings. They are tested and produced to withstand prolonged exposure to direct sunlight, salt water, harsh process chemicals, acids, caustics, and hydrocarbons.

- Pre-coiled markers install easily by wrapping entirely around the pipe and self-sealing with a lockdown strip
- Installation can be on either bare or insulated pipe and requires no surface preparation for attachment since they bond to themselves, not the pipe surface
- Can be removed and reinstalled
- ANSI/ASME A13.1-1996 colors available upon request

Custom MS-995 Coiled Pipe Markers

Custom pipe markers are available to meet facility-specific needs for color, pipe diameter, and information (including from/to, P&ID numbers, line numbers, pipe contents, dual flow direction arrows, etc.).

Styles Available

MS-995 Coiled Pipe Markers are available in nine standard sizes to fit pipes with overall outside diameters of 3/8" through 18" (including insulation thickness). For piping 8" and larger, the 4" x 32" (style M) marker is permanently laminated to a chemical and weather resistant carrier (see **page 12**).

*MS-995 markers comply with ANSI/ASME A13.1, except styles J, K, L & N which do not comply with the ANSI/ASME A13.1 standard regarding marker size and letter height.

Pipe Diameter (Including Insulation)	Marker Style	Marker Width	Character Height
3/8" - 1/2"	TM	3"	1/4"
1/2" - 1"	A	8"	1/2"
1 1/8" - 2 1/4"	B	8"	3/4"
2 1/2" - 4 3/4"	D	12"	1 1/4"
5" - 7 7/8"	E	12"	1 1/4"
8" - 10"	J*	12"	1 1/4"
11" - 12"	K*	12"	1 1/4"
13" - 15"	L*	12"	1 1/4"
16" - 18"	N*	12"	1 1/4"



Contact us to learn more about our MS-995 Coiled Pipe Markers

Order MS-995 Coiled Pipe Markers

- Determine the four-digit part number for each legend
- Use the marker style table at the bottom right corner of **page 2** to determine size of marker desired
- Example: The marker "ACID" for a 2" diameter pipe would be part number 1202B
- Contact us for custom markers



Legend	Color	Part #
#2 FUEL OIL	YEL	1039
#6 FUEL OIL	YEL	1040
150# STEAM	GRN	1200
50# STEAM	GRN	1201
ACID	ORG	1202
ALUM	YEL	1006
AMINE	YEL	1054
AMMONIA	ORG	1203
ASBESTOS FREE INSULATION	BLU	1157
BIOCIDE	YEL	1008
BLACK DYE	YEL	1009
BLACK LIQUOR	YEL	9903
BLEACHED STOCK	YEL	9904
BLUE DYE	YEL	1010
BOILER BLOWDOWN	GRN	1204
BOILER DRAIN	GRN	1205
BOILER FEEDWATER	GRN	1206
BREATHING AIR	BLU	1102
BROKE	YEL	9905
BROWN STOCK	YEL	9906
BUTADIENE	YEL	1014
BUTANE	YEL	1013
BUTENE	YEL	1055
CALCIUM CARBONATE	YEL	9942
CATALYST	YEL	1015
CAUSTIC	ORG	1207
CAUSTIC SODA	ORG	1208
CHILLED WATER RETURN	GRN	1016
CHILLED WATER SUPPLY	GRN	1017
CHLORINE	ORG	1209
CHLORINE DIOXIDE	YEL	9909
CIP RETURN	ORG	1210
CIP SUPPLY	ORG	1211
CITY WATER	GRN	1140
CLARIFIED WHITE LIQUOR	YEL	1018
CLEAN CONDENSATE	YEL	1019
CLOUDY WHITE WATER	YEL	1020
COATED BROKE	YEL	1021
COATING SLURRY	YEL	1056
COLD WATER	GRN	1141
COMPRESSED AIR	BLU	1022
COMPRESSED AIR	YEL	1057
CONDENSATE	GRN	1212
CONDENSER WATER RETURN	GRN	1023
CONDENSER WATER SUPPLY	GRN	1024
CONTAMINATED CONDENSATE	YEL	1028
COOLING WATER	GRN	1025
COOLING WATER RETURN	GRN	1106
COOLING WATER SUPPLY	GRN	1107
CRUDE OIL	YEL	1026
DEFOAMER	YEL	9911
DEMINERALIZED WATER	GRN	1027
DILUTION WATER	YEL	9948
DRAIN	ORG	1213
DRINKING WATER	GRN	1030
EFFLUENT	YEL	1031
ETHYLENE	YEL	1032
ETHYLENE GLYCOL	YEL	1109
FEED STOCK	YEL	1033

Legend	Color	Part #
FILTERED WATER	GRN	9914
FILTRATE	YEL	9913
FIRE PROTECTION WATER	RED	1034
FLARE	YEL	1035
FLOOR DRAIN	YEL	1036
FLUSH WATER	YEL	1061
FOUL CONDENSATE	YEL	9949
FRESH WATER	GRN	1037
FUEL GAS	YEL	1038
FUEL OIL	YEL	9950
GAS	YEL	1144
GLYCOL	ORG	1214
GLYCOL RETURN	ORG	1215
GLYCOL SUPPLY	ORG	1216
GREEN LIQUOR	YEL	9915
GROUNDWOOD	GRN	1041
HARDWOOD STOCK	YEL	9916
HEATING WATER RETURN	GRN	1217
HEATING WATER SUPPLY	GRN	1218
HEAVY BLACK LIQUOR	YEL	9951
HEXANE	YEL	1043
HI PRESS CONDENSATE	GRN	1219
HI PRESS GAS	YEL	1113
HI PRESS SHOWER WATER	YEL	1045
HI PRESS STEAM	GRN	1220
HOT GAS	YEL	1115
HOT WATER	GRN	1221
HOT WATER RETURN	GRN	1222
HOT WATER SUPPLY	GRN	1223
HYDRAULIC OIL	YEL	9917
HYDROCHLORIC ACID	ORG	1224
HYDROGEN	ORG	1225
HYDROGEN PEROXIDE	YEL	1048
HYDROGEN SULFIDE	YEL	1049
IGNITER GAS	YEL	1050
INSTRUMENT AIR	BLU	9918
INSTRUMENT NITROGEN	ORG	1226
ISO-BUTANE	YEL	1051
ISO-BUTYLENE	YEL	1052
KEROSENE	YEL	1062
LO PRESS CONDENSATE	GRN	1227
LO PRESS STEAM	GRN	1228
LUBE OIL	YEL	9920
LUBE OIL RETURN	YEL	1147
LUBE OIL SUPPLY	YEL	1148
MAKE UP WATER	GRN	1053
MED PRESS CONDENSATE	YEL	9946
MEDIUM PRESS STEAM	GRN	1229
METHANOL	ORG	1230
MILL AIR	BLU	9921
MILL WATER	GRN	9922
MTBE	YEL	1063
NATURAL GAS	YEL	9923
NITROGEN	ORG	1231
NON CONDENSABLE GAS	YEL	9953
NON POTABLE WATER	GRN	1232
NORMAL BUTANE	YEL	1067
OFF GAS	YEL	1068
OVERFLOW	ORG	1233

Legend	Color	Part #
OXYGEN	BLU	1234
PLANT AIR	BLU	9924
PLANT WATER	GRN	9925
POTABLE WATER	GRN	9968
PROCESS WATER	GRN	1069
PROCESS WATER RETURN	GRN	1149
PROCESS WATER SUPPLY	GRN	1150
PROPANE	YEL	9971
PULP	YEL	9962
QUENCH WATER	YEL	1129
RAFFINATE	YEL	1070
RAW WATER	GRN	9963
RED DYE	YEL	9972
REJECTS	YEL	9927
RELIEF	ORG	1235
RETENTION AID	YEL	9974
ROOF DRAIN	GRN	9975
SALTCAKE	YEL	9976
SANITARY DRAIN	GRN	1131
SANITARY SEWER	GRN	1130
SEAL WATER	GRN	9928
SHOWER WATER	YEL	9977
SIZE	YEL	9978
SOAP	YEL	9979
SODA ASH	YEL	9980
SODIUM CHLORATE	ORG	1236
SODIUM HYDROXIDE	ORG	1237
SOFT WATER	GRN	1151
SOFTWOOD STOCK	YEL	9929
STARCH	ORG	1238
STEAM	GRN	9938
STEAM CONDENSATE	GRN	1239
STOCK	GRN	9930
STORM DRAIN	GRN	1153
STORM SEWER	GRN	1154
STORM WATER	GRN	1071
STRONG BLACK LIQUOR	YEL	9959
SULFUR DIOXIDE	ORG	1240
SULFURIC ACID	ORG	1241
TALL OIL	YEL	9995
TITANIUM DIOXIDE	YEL	9996
TOWER WATER RETURN	GRN	9997
TOWER WATER SUPPLY	GRN	9998
TREATED WATER	GRN	9999
TURPENTINE	YEL	1001
UNBLEACHED STOCK	YEL	9960
UTILITY WATER	GRN	1242
VACUUM	ORG	1243
VENT	ORG	1244
WASTE OIL	YEL	1073
WASTE WATER	YEL	1002
WATER	GRN	1159
WATER	ORG	1245
WEAK BLACK LIQUOR	YEL	9937
WEAK WASH	YEL	9961
WELL WATER	GRN	1155
WHITE LIQUOR	YEL	9939
WHITE WATER	YEL	9940
YELLOW DYE	YEL	1003





MS-970 Coiled Pipe Markers

MS-970 Coiled Pipe Markers are constructed of semi-rigid material and are designed to identify piping in a wide variety of environments, especially in applications where the pipe surface is rough, oily, or wet. They stay in place on pipes due to the memory of the coiling process, and therefore do not rely on adhesives. Complies with ANSI/ASME A13.1.

Features

- Indoor use only
- Coiled construction quickly snaps around pipes
- No pipe surface preparation needed
- Self-locking adhesive strip keeps marker in place even on vertical pipes
- Plastic nylon straps are included to secure marker in place on pipes 6" or larger
- Can be removed and reused
- Flow direction arrows are printed on each marker
- ANSI/ASME A13.1-1996 colors available upon request

Custom MS-970 Coiled Pipe Markers

- No setup charges or minimum order quantity
- Include any combination of the following items to make up the marker legend: pipe contents, origin (from) and destination (to), line numbers, equipment numbers, and flow direction
- Custom sizes and colors available

- *Style F Markers include two 36" nylon straps
- *Style G Markers include three 36" nylon straps
- *Style H Markers include three 48" nylon straps

*Additional straps available if needed, see mounting options on **page 60**.

Pipe Diameter (Including Insulation)	Marker Style	Marker Width	Character Height	Marker Type
3/8" - 1/2"	TM	3"	1/4"	Coiled
1/2" - 1"	A	8"	1/2"	Coiled
1 1/8" - 2 1/4"	B	8"	3/4"	Coiled
2 3/8" - 3 1/4"	C	12"	1 1/4"	Coiled
3 3/8" - 4 1/2"	D	12"	1 1/4"	Coiled
4 5/8" - 5 7/8"	E	12"	1 1/4"	Coiled
6" - 7 7/8"	*F	12"	1 1/4"	Strap-On
8" - 10"	*G	24"	2 1/2"	Strap-On
Over 10"	*H	32"	3 1/2"	Strap-On

Order MS-970 Coiled Pipe Markers

- Determine the four-digit part number for each legend
- Use the marker style table at the bottom right corner of **page 4** to determine size of marker desired
- Example: The marker "ACID" for a 2" diameter pipe would be part number 9800B
- Contact us for custom markers



Legend	Color	Part #	Legend	Color	Part #	Legend	Color	Part #
ACID	ORG	9800	FIRE PROTECTION WATER	RED	9826	OXYGEN	ORG	9690
ACID VENT	ORG	9641	FIRE SPRINKLER WATER	RED	9736	PLANT AIR	BLU	9691
ACID WASTE	ORG	9642	FREON	ORG	9664	POLYMER SOLUTION	YEL	9743
AIR	BLU	9875	FUEL GAS	YEL	9886	POTABLE WATER	GRN	9848
ALUM	YEL	9876	FUEL OIL	YEL	9828	PROCESS WATER	GRN	9853
AMMONIA	ORG	9643	FUEL OIL RETURN	YEL	9737	PROCESS WATER RETURN	GRN	9703
ARGON	ORG	9644	FUEL OIL SUPPLY	YEL	9738	PROCESS WATER SUPPLY	GRN	9704
ASBESTOS FREE INSULATION	BLU	9729	GAS	YEL	9829	PROPANE	YEL	9849
BOILER BLOWDOWN	GRN	9645	GLYCOL RETURN	ORG	9665	PUMPED CONDENSATE	GRN	9693
BOILER FEEDWATER	GRN	9646	GLYCOL SUPPLY	ORG	9666	RAW WATER	GRN	9850
BRINE	ORG	9647	HEATING HOT WATER RETURN	GRN	9667	REFRIGERANT LIQUID	YEL	9706
BYPASS	ORG	9648	HEATING HOT WATER SUPPLY	GRN	9668	REFRIGERANT SUCTION	YEL	9707
CARBON DIOXIDE	ORG	9649	HEATING RETURN	YEL	9832	RETURN	ORG	9722
CAUSTIC	ORG	9650	HEATING SUPPLY	YEL	9833	RETURN	GRN	9851
CHEMICAL FEED	ORG	9651	HEATING WATER RETURN	GRN	9669	ROOF DRAIN	GRN	9872
CHILLED WATER	GRN	9807	HEATING WATER SUPPLY	GRN	9670	SANITARY DRAIN	GRN	9708
CHILLED WATER RETURN	GRN	9808	HI PRESS CONDENSATE	GRN	9671	SANITARY SEWER	GRN	9709
CHILLED WATER SUPPLY	GRN	9809	HI PRESS GAS	YEL	9871	SANITARY VENT	BLU	9723
CHLORINE	ORG	9652	HI PRESS STEAM	GRN	9672	SANITARY WASTE	GRN	9755
CHLORINE SOLUTION	YEL	9731	HI PRESS STEAM	YEL	9835	SEAL WATER	GRN	9711
CIRCULATING WATER	GRN	9811	HOT WATER	GRN	9673	SERVICE AIR	YEL	9746
CITY WATER	GRN	9813	HOT WATER RETURN	GRN	9674	SOFT COLD WATER	GRN	9756
COLD WATER	GRN	9814	HOT WATER SUPPLY	GRN	9675	SOFT WATER	GRN	9712
COLD WATER RETURN	GRN	9866	HYDRAULIC OIL	YEL	9889	SPRINKLER WATER	RED	9854
COLD WATER SUPPLY	GRN	9867	HYDROCHLORIC ACID	YEL	9739	STEAM	GRN	9724
COMPRESSED AIR	YEL	9815	HYDROGEN	ORG	9676	STEAM CONDENSATE	GRN	9725
COMPRESSED AIR	BLU	9732	INDUSTRIAL COLD WATER	GRN	9891	STORM DRAIN	GRN	9873
CONDENSATE	GRN	9653	INDUSTRIAL HOT WATER	GRN	9677	STORM SEWER	GRN	9868
CONDENSATE DRAIN	GRN	9654	INSTRUMENT AIR	BLU	9892	STORM WATER	GRN	9714
CONDENSATE RETURN	GRN	9655	LAB AIR	ORG	9678	SULFURIC ACID	ORG	9726
CONDENSATE SUPPLY	GRN	9656	LAB VACUUM	ORG	9679	SUMP PUMP DISCHARGE	GRN	9744
CONDENSER WATER	GRN	9819	LAB WASTE	ORG	9680	SUPPLY	ORG	9747
CONDENSER WATER RETURN	GRN	9864	LO PRESS CONDENSATE	GRN	9681	SUPPLY	GRN	9856
CONDENSER WATER SUPPLY	GRN	9865	LO PRESS STEAM	GRN	9682	TEMPERED WATER	GRN	9757
COOLING WATER	GRN	9820	LO PRESS STEAM	YEL	9839	TOWER WATER RETURN	GRN	9749
COOLING WATER RETURN	GRN	9882	LUBE OIL	YEL	9896	TOWER WATER SUPPLY	GRN	9750
COOLING WATER SUPPLY	GRN	9883	MAKE UP WATER	GRN	9840	TREATED WATER	GRN	9874
DEIONIZED WATER	GRN	9821	MED PRESS CONDENSATE	GRN	9683	UTILITY WATER	YEL	9751
DOMESTIC COLD WATER	GRN	9822	MED PRESS STEAM	GRN	9684	VACUUM	PUR	9758
DOMESTIC COLD WATER RETURN	GRN	9770	MED PRESS STEAM	YEL	9841	VACUUM	ORG	9759
DOMESTIC COLD WATER SUPPLY	GRN	9771	MEDICAL AIR	BLU	9685	VENT	ORG	9760
DOMESTIC HOT WATER	GRN	9657	MEDICAL VACUUM	WHT	9753	VENT	BLU	9761
DOMESTIC HOT WATER RECIRC	GRN	9658	METHANOL	YEL	9898	WASTE	ORG	9762
DOMESTIC HOT WATER RETURN	GRN	9659	MILL AIR	BLU	9727	WASTE WATER	ORG	9763
DRAIN	ORG	9660	MILL WATER	GRN	9728	WATER	ORG	9764
DRAIN	GRN	9824	NATURAL GAS	YEL	9842	WATER	GRN	9860
DRAIN	YEL	9734	NITROGEN	ORG	9686	WELL WATER	GRN	9721
DRINKING WATER	GRN	9735	NITROUS OXIDE	ORG	9687			
DUAL TEMP RETURN	GRN	9661	NON POTABLE WATER	GRN	9688			
DUAL TEMP SUPPLY	GRN	9662	OIL	YEL	9845			
EXHAUST	BLU	9663	OVERFLOW	ORG	9689			
FILTERED WATER	GRN	9885	OXYGEN	BLU	9700			





MS-900 Self-Adhesive Pipe Markers

For line service identification and system color-coding.

- Complies with ANSI/ASME A13.1
- Printed on premium quality, fade-resistant material
- Adheres well to pipe and insulation with only limited surface preparation
- Markers can be used with arrow tape or separate arrow markers to indicate flow direction (see **page 15** for arrow tape)
- Add UV Overlamine for outdoor use

Custom MS-900 Self-Adhesive Pipe Markers

- No set-up charges or minimum quantity requirement
- Custom colors available
- ANSI/ASME A13.1-1996 colors available upon request

Marker Style	Pipe Diameter (Including Insulation)	Marker Size	Character Height
A	¾" - 2¼"	1" x 8"	¾"
B	2½" - 7⅞"	2¼" x 13"	1¾"
C	8" - 10"	4" x 24"	2½"
D	Over 10"	4" x 32"	3½"

Note: Arrow markers are half the length of pipe markers.

Legend	Color	A	B	C	D
2 PSI GAS	YEL	91100	92100		
2 PSI NATURAL GAS	YEL	91545	92545		
ACETYLENE GAS	YEL	91101	92101		
120° HOT WATER	GRN	91226	92226		
140° HOT WATER	GRN	91227	92227		
160° HOT WATER	GRN	91228	92228		
ACID	ORG	91229	92229		
ACID VENT	ORG	91241	92241	93241	94241
ACID WASTE	ORG	91231	92231		
AIR	YEL	91103	92103		
AIR	BLU	91211	92211		
AMMONIA	ORG	91232	92232	93232	94232
ARGON	ORG	91233	92233		
ARROWS	BLK	91205	92205	93205	94205
ARROWS	BRN	91206	92206	93206	94206
ARROWS	GRY	91207	92207	93207	94207
ARROWS	ORG	91223	92223	93223	94223
ARROWS	PUR	91224	92224	93224	94224
ARROWS	WHT	91225	92225	93225	94225
ARROWS	GRN	91209	92209	93209	94209
ARROWS	RED	91210	92210	93210	94210
ARROWS	BLU	91212	92212	93212	94212
ARROWS	YEL	91208	92208	93208	94208
ASBESTOS FREE INSULATION	BLU	91107	92107		
BOILER BLOWDOWN	GRN	91234	92234		
BOILER FEED	GRN	91235	92235		
BOILER FEEDWATER	GRN	91237	92237	93237	94237
BREATHING AIR	BLU	91401	92401		
CARBON DIOXIDE	ORG	91238	92238		
CAUSTIC	ORG	91239	92239		
CHEMICAL FEED	ORG	91242	92242		
CHILLED WATER	GRN	91114	92114	93114	94114
CHILLED WATER RETURN	GRN	91115	92115	93115	94115
CHILLED WATER SUPPLY	GRN	91116	92216	93116	94116
CHLORINE	ORG	91243	92243		
CHLORINE SOLUTION	ORG	91244	92244		
CIRCULATING WATER	GRN	91118	92118		
CITY WATER	GRN	91119	92119	93119	
CLEAN DRY AIR	BLU	91403	92403		
COLD WATER	GRN	91120	92120		
COLD WATER RETURN	GRN	91121	92121		
COLD WATER SUPPLY	GRN	91122	92122		
COMPRESSED AIR	YEL	91123	92123		
COMPRESSED AIR	BLU	91284	92284		
CONDENSATE	GRN	91245	92245	93245	94245
CONDENSATE DRAIN	GRN	91246	92246		
CONDENSATE RETURN	GRN	91247	92247	93247	94247
CONDENSER WATER	GRN	91128	92128	93128	94128
CONDENSER WATER RETURN	GRN	91129	92129	93129	94129
CONDENSER WATER SUPPLY	GRN	91130	92130	93130	94130
COOLING WATER	GRN	91131	92131	93131	
COOLING WATER RETURN	GRN	91286	92286		
COOLING WATER SUPPLY	GRN	91287	92287		
DEIONIZED WATER	GRN	91132	92132		
DEMINERALIZED WATER	GRN	91214	92214		
DIESEL	YEL	91304	92304		
DISCHARGE	ORG	91248	92248		
DOMESTIC COLD WATER	GRN	91136	92136	93136	
DOMESTIC HOT WATER	GRN	91249	92249	93249	
DOMESTIC HOT WATER RECIRC	GRN	91250	92250		

Legend	Color	A	B	C	D
DOMESTIC HOT WATER RETURN	GRN	91251	92251		
DOMESTIC HOT WATER SUPPLY	GRN	91252	92252		
DOMESTIC WATER	GRN	91325	92325		
DRAIN	ORG	91262	92262	93262	
DRAIN	GRN	91137	92137	93137	
DUAL TEMP RETURN	GRN	91263	92263		
DUAL TEMP SUPPLY	GRN	91264	92264		
EVACUATION VACUUM	PUR	91265	92265		
EVACUATION VACUUM	ORG	91268	92268		
EXHAUST	BLU	91269	92269		
EXHAUST AIR	BLU	91270	92270	93270	
FEEDWATER	GRN	91271	92271		
FILTERED WATER	GRN	91253	92253	93253	94253
FIRE PROTECTION WATER	RED	91142	92142	93142	
FIRE SPRINKLER WATER	RED	91143	92143		
FREON	GRN	91144	92144		
FUEL GAS	YEL	91145	92145		
FUEL OIL	YEL	91146	92146		
FUEL OIL RETURN	YEL	91332	92332		
FUEL OIL SUPPLY	YEL	91333	92333		
GAS	YEL	91147	92147		
GASOLINE	YEL	91148	92148		
GLYCOL	ORG	91273	92273	93273	94273
GLYCOL RETURN	ORG	91274	92274		
GLYCOL SUPPLY	ORG	91275	92275		
HALON	RED	91150	92150		
HEATING	YEL	91151	92151		
HEATING HOT WATER RETURN	GRN	91276	92276	93276	
HEATING HOT WATER SUPPLY	GRN	91277	92277	93277	
HEATING RETURN	YEL	91152	92152	93152	
HEATING SUPPLY	YEL	91153	92153	93153	
HEATING WATER RETURN	GRN	91278	92278	93278	
HEATING WATER SUPPLY	GRN	91279	92279	93279	
HI PRESS AIR	YEL	91154	92154		
HI PRESS AIR	BLU	91218	92218		
HI PRESS CONDENSATE	GRN	91280	92280	93280	94280
HI PRESS GAS	YEL	91155	92155		
HI PRESS STEAM	GRN	91307	92307	93307	94307
HOT GAS	YEL	91327	92327		
HOT WATER	GRN	91308	92308	93308	94308
HOT WATER RETURN	GRN	91311	92311	93311	94311
HOT WATER SUPPLY	GRN	91312	92312	93312	94312
HOUSE VACUUM	PUR	91309	92309	93309	
HYDRAULIC FLUID	YEL	91257	92257		
HYDROCHLORIC ACID	ORG	91313	92313		
HYDROGEN	ORG	91323	92323	93323	94323
HYDROGEN PEROXIDE	ORG	91324	92324		
HYDROGEN SULFIDE	YEL	91306	92306		
INDUSTRIAL COLD WATER	GRN	91295	92295		
INDUSTRIAL HOT WATER	GRN	91335	92335		
INDUSTRIAL WASTE	ORG	91336	92336		
INSTRUMENT AIR	GRN	91162	92162	93162	
INSTRUMENT AIR	BLU	91219	92219		
INSTRUMENT NITROGEN	BLU	91406	92406		
LO PRESS AIR	BLU	91339	92339		
LO PRESS CONDENSATE	GRN	91340	92340	93340	94340
LO PRESS GAS	YEL	91164	92164		
LO PRESS STEAM	GRN	91341	92341	93341	94341
LUBE OIL	YEL	91166	92166		
LUBE OIL RETURN	YEL	91407	92407		
LUBE OIL SUPPLY	YEL	91408	92408		
MAKE UP WATER	GRN	91167	92167		
MED PRESS CONDENSATE	GRN	91342	92342	93342	94342
MED PRESS STEAM	GRN	91343	92343	93343	94343
MEDICAL AIR	BLU	91344	92344		
MEDICAL VACUUM	WHT	91411	92411		
MILL AIR	BLU	91260	92260	93260	
MILL WATER	GRN	91261	92261	93261	94261
NATURAL GAS	YEL	91168	92168	93168	
NITROGEN	ORG	91345	92345		

Legend	Color	A	B	C	D
NITROGEN	BLK	91169	92169		
NITROUS OXIDE	ORG	91346	92346		
NON POTABLE WATER	GRN	91347	92347	93347	94347
OIL	YEL	91171	92171		
OIL FREE AIR	BLU	91413	92413		
OUTSIDE AIR	BLU	91329	92329	93329	
OXYGEN	BLU	91348	92348		
OXYGEN	ORG	91349	92349		
OXYGEN	GRN	91330	92330		
PLANT AIR	BLU	91350	92350		
PLANT WATER	GRN	91174	92174		
POTABLE WATER	GRN	91175	92175		
POTABLE COLD WATER	GRN	91414	92414		
POTABLE HOT WATER	GRN	91351	92351		
PROCESS WATER	YEL	91176	92176		
PROCESS WATER	GRN	91220	92220		
PROCESS COOLING WATER RETURN	GRN	91416	92416	93416	94416
PROCESS COOLING WATER SUPPLY	GRN	91417	92417	93417	94417
PROCESS VACUUM	ORG	91352	92352		
PROPANE GAS	YEL	91177	92177		
PUMPED CONDENSATE	GRN	91353	92353	93353	
RAINWATER	GRN	91419	92419		
RAW WATER	GRN	91178	92178	93178	94178
RECIRCULATING HOT WATER	GRN	91354	92354		
REFRIGERANT	YEL	91179	92179		
REFRIGERANT LIQUID	YEL	91180	92180		
REFRIGERANT SUCTION	YEL	91181	92181		
RELIEF AIR	BLU	91281	92281	93281	
RETURN AIR	BLU	91282	92282	93282	
RETURN	ORG	91355	92355	93355	
RETURN	GRN	91183	92183	93183	
ROOF DRAIN	GRN	91184	92184	93184	
SANITARY DRAIN	GRN	91236	92236	93236	
SANITARY SEWER	GRN	91185	92185	93185	
SANITARY VENT	BLU	91356	92356		
SANITARY WASTE	GRN	91298	92298		
SEAL WATER	GRN	91267	92267		
SERVICE AIR	BLU	91357	92357		
SLUDGE	ORG	91359	92359		
SODIUM HYDROXIDE	ORG	91360	92360		
SOFT WATER	GRN	91187	92187		
STEAM	GRN	91361	92361	93361	94361
STORM DRAIN	GRN	91299	92299	93299	
STORM SEWER	GRN	91300	92300	93300	
STORM WATER	GRN	91301	92301	93301	
SUCTION	ORG	91362	92362		
SULFURIC ACID	ORG	91364	92364		
SUMP PUMP DISCHARGE	GRN	91365	92365		
SUPPLY	ORG	91366	92366	93366	94366
SUPPLY	GRN	91193	92193	93193	94193
SUPPLY AIR	BLU	91283	92283	93283	
TEMPERED WATER	GRN	91367	92367		
TOLUENE	YEL	91194	92194		
TOWER WATER	GRN	91195	92195	93195	
TOWER WATER RETURN	GRN	91319	92319	93319	
TOWER WATER SUPPLY	GRN	91320	92320	93320	
TREATED WATER	GRN	91196	92196		
ULTRA PURE WATER	GRN	91420	92420		
UTILITY NITROGEN	GRN	91421	92421		
UTILITY WATER	GRN	91422	92422		
VACUUM	ORG	91371	92371	93371	94371
VACUUM	GRN	91197	92197	93197	
VENT	BLU	91372	92372	93372	
VENT	ORG	91373	92373	93373	94373
WAGD	PUR	91432	92432		
WASTE	ORG	91374	92374		
WASTE	YEL	91202	92202		
WASTE WATER	ORG	91375	92375	93375	94375
WATER	GRN	91203	92203	93203	
WATER	YEL	91204	92204	93204	
WELL WATER	GRN	91321	92321		





MS-900 Self-Adhesive Economy Pipe Markers

Printed on premium quality fade-resistant material and used to provide line service designations, system color-coding, or various labeling needs. Economy markers come standard in sheet form, which is supplied with 5 arrows & markers per sheet, with no minimum order requirements.

- Roll form is also available, see below for more information
- Markers are 2" x 9" and the directional arrows are 2" x 4½". Letter/arrow height is 1¼"
- Scores between markers and arrows ensure easy handling and application
- Use separately or with banding tape for complete low-cost marking system



Roll form is supplied in increments of 6 rolls of 50 identical markers and flow directional arrows, with a minimum of 6 rolls per text/background combination.

Legend	Color	Part #
ACID	YEL	65101
AIR	BLU	65102
BOILER FEEDWATER	YEL	65140
CHILLED WATER	GRN	65106
CHILLED WATER RETURN	GRN	65129
CHILLED WATER SUPPLY	GRN	65130
CITY WATER	GRN	65107
COLD WATER	GRN	65108
COMPRESSED AIR	YEL	65109
CONDENSATE	YEL	65110
CONDENSATE RETURN	YEL	65141
CONDENSER WATER	GRN	65111
CONDENSER WATER RETURN	GRN	65142
CONDENSER WATER SUPPLY	GRN	65143
DEIONIZED WATER	GRN	65144
DOMESTIC COLD WATER	GRN	65131
DOMESTIC HOT WATER	YEL	65132
DRAIN	GRN	65112
EXHAUST AIR	YEL	65160
FIRE PROTECTION WATER	RED	65113
FUEL OIL	YEL	65145
GAS	YEL	65114
GLYCOL	YEL	65146
HEATING	YEL	65115
HEATING RETURN	YEL	65133
HEATING SUPPLY	YEL	65134
HEATING WATER RETURN	YEL	65156
HEATING WATER SUPPLY	YEL	65157
HI PRESS CONDENSATE	YEL	65147
HI PRESS STEAM	YEL	65148
HOT WATER	YEL	65135
HOT WATER RETURN	YEL	65136
HOT WATER SUPPLY	YEL	65137
INTAKE AIR	BLU	65161
LO PRESS CONDENSATE	YEL	65149
LO PRESS STEAM	YEL	65150
NATURAL GAS	YEL	65116
NITROGEN	GRN	65151
NON POTABLE WATER	YEL	65138
OIL	YEL	65117
OUTSIDE AIR	BLU	65162
OXYGEN	YEL	65118
POTABLE WATER	GRN	65119
RECIRCULATING HOT WATER	YEL	65159
RELIEF AIR	BLU	65163
RETURN	YEL	65120
RETURN	GRN	65121
RETURN AIR	BLU	65164
ROOF DRAIN	GRN	65152
SANITARY DRAIN	GRN	65158
SANITARY SEWER	GRN	65153
SPRINKLER WATER	RED	65122
STEAM	YEL	65123
SUPPLY	YEL	65124
SUPPLY	GRN	65125
SUPPLY AIR	BLU	65165
VACUUM	YEL	65126
VENT	YEL	65127
WASTEWATER	YEL	65154
WATER	GRN	65128

MS-900 Self-Adhesive Medical Gas Markers

MS-900 Self-Adhesive Medical Gas Markers are an economical and easy way to mark tubing or piping less than ¾" in diameter. Manufactured per NFPA-99C; CGA C9-2002.

- Legend and flow direction arrows are combined on one pressure-sensitive marker
- Markers are 3" x 3" and wrap completely around the pipe for easy installation
- 4" x 4" & 6" x 6" also available upon request
- Supplied in rolls of 100, or individual pieces for ordering the exact quantity of labels you need



MS-900 Self-Adhesive Small-Bore Markers

MS-900 Self-Adhesive Small-Bore Markers are an economical and easy way to mark tubing or piping less than 1" in diameter. Our tubing and small-bore markers are suitable for line marking identification and system color-coding.

- Legend and flow direction arrows are combined on one pressure-sensitive marker
- Supplied in rolls of 100, or individual pieces for ordering the exact quantity of labels you need
- ANSI/ASME A13.1-1996 colors available upon request



Legend	Color	Letter Color	Part #
CARBON DIOXIDE	GRY	WHT	68501
CARBON DIOXIDE 50 PSI	GRY	WHT	68502
HELIUM	BRN	WHT	68503
LAB AIR	YEL & WHT CHECKERED	BLK	68518
LAB VAC	BLK & WHT CHECKERED	BLK	68519
MEDICAL AIR	YEL	BLK	68504
MEDICAL AIR 50 PSI	YEL	BLK	68512
MEDICAL EVAC	PUR	WHT	68510
MEDICAL VACUUM	WHT	BLK	68506
NITROGEN	BLK	WHT	68507
NITROGEN 160 PSI	BLK	WHT	68514
NITROUS OXIDE	BLU	WHT	68508
NITROUS OXIDE 50 PSI	BLU	WHT	68516
OXYGEN	GRN	WHT	68509
OXYGEN 50 PSI	GRN	WHT	68517
WAGD	PUR	WHT	68511

Legend	Color	Part #
ACETYLENE	YEL	66501
ACID	YEL	66502
AIR	BLU	66503
CAUSTIC	YEL	66504
CHEMICAL FEED	YEL	66505
CHLORINE	YEL	66506
CHLORINE LIQUID	YEL	66507
CHLORINE SOLUTION	YEL	66508
CLEAN DRY AIR	BLU	66529
COMPRESSED AIR	YEL	66509
DEIONIZED WATER	GRN	66510
DEMINERALIZED WATER	GRN	66511
DOMESTIC COLD WATER	GRN	66512
DOMESTIC HOT WATER	GRN	66538
EVACUATION VACUUM	YEL	66514
GAS	YEL	66528
HELIUM	YEL	66527
HYDRAULIC OIL	YEL	66515
HYDROGEN	YEL	66516
INSTRUMENT AIR	BLU	66517
LAB AIR	YEL	66519
LAB GAS	YEL	66520
LAB VACUUM	YEL	66521
LUBE OIL	YEL	66522
NATURAL GAS	YEL	66524
PLANT AIR	BLU	66518
SAMPLE	YEL	66525
VACUUM	YEL	66526
VENT	YEL	66530



MS-900 Self-Adhesive Mini Pipe Markers

These Self-Adhesive Mini Pipe Markers (style "T") are great for labeling 1/4" - 3/4" process lines, tool connections, or utility piping. Our Mini Pipe Markers are suitable for line marking identification and system color-coding.

- Identify piping carrying chemicals and gases used in the production of semi-conductors and components
- Custom legends, chemical abbreviations, and point of connection labels are available
- Style T markers are 1/2" x 2 1/2" and sold 10 labels per sheet



Legend	Color	Part #	Legend	Color	Part #
ACETLYENE GAS	YEL	95000	HOUSE VACUUM	YEL	95037
ACID	YEL	95001	INDUSTRIAL COLD WATER	GRN	95039
ACID WASTE DRAIN	YEL	95002	INDUSTRIAL HOT WATER	YEL	95040
AMMONIA	YEL	95003	INSTRUMENT AIR	BLU	95041
AMMONIA HYDROXIDE	YEL	95004	INSTRUMENT NITROGEN	BLU	95042
ARGON	BLU	95073	ISOPROPYL ALCOHOL	YEL	95043
ARROW	YEL	95005	LUBE OIL	YEL	95044
ARROW	GRN	95006	METHANOL	YEL	95045
ARROW	BLU	95007	NATURAL GAS	YEL	95046
ARROW	RED	95008	NITROGEN	BLU	95074
BORON TRICHLORIDE	YEL	95009	NITRIC ACID	YEL	95047
BREATHING AIR	BLU	95010	NITROGEN TRIFLUORIDE	YEL	95048
CAUSTIC	YEL	95011	NITROUS OXIDE	YEL	95049
CHEMICAL FEED	YEL	95012	OIL FREE AIR	BLU	95050
CHILLED WATER RETURN	GRN	95013	OXYGEN	YEL	95051
CHILLED WATER SUPPLY	GRN	95014	OUTSIDE AIR	BLU	95052
CHLORINE	YEL	95015	OZONE	YEL	95053
CHLORINE SOLUTION	YEL	95016	PHOSPHORIC ACID	YEL	95054
CITY WATER	GRN	95017	PLANT AIR	BLU	95055
CLEAN DRY AIR	BLU	95018	PROCESS COOLING WATER RET	GRN	95056
COMPRESSED AIR	BLU	95019	PROCESS COOLING WATER SUP	GRN	95057
CORROSIVE VENT	YEL	95020	PROCESSED EXHAUST	YEL	95058
DEIONIZED WATER	GRN	95021	PROCESSED VACUUM	YEL	95059
DEIONIZED WATER RETURN	GRN	95022	RO RETURN	GRN	95060
DEIONIZED WATER SUPPLY	GRN	95023	RO SUPPLY	GRN	95061
DEMINERALIZED WATER	GRN	95024	SILANE	YEL	95063
DOMESTIC COLD WATER	GRN	95025	SOLVENT RECLAIM	YEL	95075
DOMESTIC HOT WATER	YEL	95026	SOLVENT VENT	YEL	95064
ETHYLENE GLYCOL	YEL	95027	SULFUR HEXAFLUORIDE	YEL	95065
EVACUATION VACUUM	YEL	95028	SULFURIC ACID	YEL	95066
FREON	YEL	95029	ULTRA PURE NITROGEN	BLU	95072
GAS	YEL	95030	ULTRA PURE WATER DI RET	YEL	95076
HELIUM	YEL	95031	ULTRA PURE WATER DI SUP	YEL	95077
HIGH PURITY NITROGEN	YEL	95032	ULTRA PURE WATER RET	GRN	95067
HYDRAULIC OIL	YEL	95038	ULTRA PURE WATER SUP	GRN	95068
HYDROFLUORIC ACID	YEL	95033	UTILITY NITROGEN	BLU	95069
HYDROGEN	YEL	95034	UTILITY WATER	GRN	95070
HYDROGEN BROMIDE	YEL	95035	VACUUM	BLU	95071
HYDROGEN CHLORIDE	YEL	95036	WATER	GRN	95078

MS-900 Self-Adhesive Duct Markers with Attached Scored Arrow

Used to identify the air flow and equipment in a ductwork system.

- Highly visible color-coded labels make it easy to differentiate between different systems
- Scored arrow markers designate direction of flow
- Markers can be customized to designate the specific system or equipment of origin

Legend	Color	Style A	Style B	Style C	Style D
EXHAUST AIR	YEL	63005	63105	63205	63305
INTAKE AIR	BLU	63020	63120	63220	63320
OUTSIDE AIR	BLU	63009	63109	63209	63309
RELIEF AIR	BLU	63011	63111	63211	63311
RETURN AIR	BLU	63012	63112	63212	63312
SUPPLY AIR	BLU	63016	63116	63216	63316



MS-900 Self-Adhesive Plenum Duct Markers

Plenum Duct Markers are metalized self-adhesive labels tested to meet the requirements of E-84-03 "Standard Test Method" for surface burning characteristics of building materials.

- Available with black text on metallic grey background
- Designed for use in plenums to help prevent the spread of smoke and gases in the event of a fire
- Custom colors available

Legend	Color	2 1/4" x 13" Part #	4" x 24" Part #
EXHAUST AIR	METALLIC GREY	92601	93601
INTAKE AIR	METALLIC GREY	92602	93602
OUTSIDE AIR	METALLIC GREY	92603	93603
RELIEF AIR	METALLIC GREY	92604	93604
RETURN AIR	METALLIC GREY	92605	93605
SUPPLY AIR	METALLIC GREY	92606	93606
*ARROW	METALLIC GREY	92607	93607



MS-995 Curved Carrier Pipe Markers

MS-995 Curved Carrier Pipe Markers are specifically created to withstand harsh conditions in both indoor and outdoor piping environments. These markers consist of a curved, rigid, strap-on carrier with a durable label affixed. Additionally, the carrier is equipped with two slotted nylon feet to prevent direct contact between carrier and piping. The curved design enhances visibility and minimizes the impact of direct sunlight.

May be used in all applications of piping with ¾" and greater outside diameter including insulation. A coated stainless steel banding is recommended.

The foot assembly may be strapped to the pipe prior to attaching the carrier, or the carrier assembly may be strapped as a unit to the pipe, allowing for maximum installation flexibility.

- Designed & tested to withstand up to 150 mph wind velocity for one hour
- Complies with ANSI/ASME A13.1
- See mounting options on **page 60**



Pipe Diameter	Part #	Marker Size	Carrier Size
¾" - 1⅞"	CAR995MJ	1½" x 9"	2.2" x 10"
2" - 7⅞"	CAR995MF	2¼" x 16"	3½" x 17"
8" or greater	CAR995M	4" x 32"	5" x 33"

MS-995 High-Temperature Stainless Steel Markers

MS-995 Stainless Steel Pipe Markers are for use on piping that has a surface temperature range of up to 350°F.

- Markers consist of durable label mechanically applied to a flat stainless steel carrier
- Includes stand-off brackets with heat-reducing spacers to hold the printed pipe marker away from the heat of the pipe's surface
- See mounting options on **page 60**



Metal Stencils

Pre-cut stencils are available for an economical way to mark piping. A variety of letter heights are available to comply with ANSI/ASME A13.1 recommendations.

- Reusable
- Durable metal material
- Customizable text



Plastic Stencils

- Reusable
- Customizable text
- Available in multiple sizes



12 oz. Spray Stencil Ink

- Permanent, quick-drying, weather resistant ink
- Provides high-contrast marking on pipes and insulation

Part #	Color
61101	Black
61101WHT	White
61101BLU	Blue
61101RED	Red
61101YEL	Yellow
61101GRE	Green
61101ORG	Orange

Ceiling Locator Tacks

Ceiling Locator Tacks are ideal for marking the location of dampers, booster coils, and controllers above acoustical ceiling tiles. Simply push equipment locator tacks into ceiling tile or insulation near closest access point.

- ⅞" ceiling tacks
- Come in packs of 25
- Serrated ceiling markers with or without removable retention disk fastener available
- Multiple colors available



TAPE

1. Arrow & Banding Tape

Arrow & Banding Tapes are designed from MS-900 Self-Adhesive material. Use arrow tape to indicate the direction of flow and banding tape for pipe color-coding.

2. Underground Warning Tape

Underground Warning Tape guards against potentially dangerous or costly scenarios while digging. Available in either detectable or non-detectable options.

3. MS-511 Barricade & Warning Tape

Designed to alert people of potentially dangerous areas or situations. This highly visible tape keeps your personnel safe.

MS-900 Self-Adhesive Banding Tape

MS-900 Self-Adhesive Banding Tape is used when engineering specifications or customer preferences require pipe color-coding.

- Add UV Overlamine for outdoor use
- Complies with MIL-SPEC 101C
- Standard sizes: 1" and 2" wide by 50 yds. long
- Also available in 3", 4", and 6" wide rolls
- Self-adhesive



Color	1" x 50yd Part #	2" x 50yd Part #
YEL	96101	96201
GRN	96102	96202
RED	96103	96203
BLU	96104	96204
BRN	96015	96205
WHT	96106	96206
BLK	96107	96207
GRY	96108	96208
ORG	96109	96209
PUR	96110	96210

MS-900 Self-Adhesive Arrow Tape

Designed to indicate direction of flow when used with MS-900 Pipe Markers.

- Standard roll sizes are 1", 2", and 4" wide by 30 yds. long
- Complies with ANSI/ASME A13.1 requirement to show flow direction
- Custom sizes and colors available
- Self-adhesive



Use this chart to determine how many rolls of tape are required.

Pipe Diameter	Tape Length	# Bands/Roll
2"	8" Band	135
4"	14" Band	77
6"	21" Band	51
8"	27" Band	40
10"	35" Band	30
12"	41" Band	26

Size	Yellow w/ Black	Green w/ White	Red w/ White	Blue w/ White	Green w/ Black	Orange w/ Black	White w/ Black
1" x 30 yds.	95101	95102	95103	95104	95105	95106	95107
2" x 30 yds.	95201	95202	95203	95204	95205	95206	95207
4" x 30 yds.	95401	95402	95403	95404	95405	95406	95407



Underground Warning Tape

Designed to be buried above metallic underground piping or cables to warn excavators of utility lines and guard against costly and dangerous dig-ins.

- Non-adhesive 4 mil. polyethylene tape, surface printed
- Custom legends available

Legend	Text/Background Color	3" Part #	6" Part #
CAUTION BURIED ELECTRICAL LINE BELOW	BLK/RED	52201	52208
CAUTION BURIED FUEL LINE BELOW	BLK/YEL	52202	52209
CAUTION BURIED NATURAL GAS LINE BELOW	BLK/YEL	52203	52210
CAUTION BURIED PIPE LINE BELOW	BLK/YEL	52204	52211
CAUTION BURIED SEWER LINE BELOW	BLK/GRN	52205	52212
CAUTION BURIED STEAM LINE BELOW	BLK/YEL	52207	52213
CAUTION BURIED WATER LINE BELOW	BLK/BLU	52206	52214
CAUTION CAUTION CAUTION	BLK/YEL	51116	N/A

Detectable Underground Warning Tape

Detectable Underground Warning Tape locates buried non-metallic pipes before you dig.

- Printed 4.5 mil. foil lets you use any standard metal detector to quickly locate underground services
- Recommended burial depths: 3" tape – Less than 24" deep; 6" tape – More than 24" deep
- Custom legends available

Legend	Text/Background Color	3" Part #	6" Part #
CAUTION BURIED ELECTRIC LINE BELOW	BLK/RED	52215	52220
CAUTION BURIED GAS LINE BELOW	BLK/YEL	52216	52221
CAUTION BURIED OXYGEN LINE BELOW	BLK/GRN	52226	52227
CAUTION BURIED PIPE LINE BELOW	BLK/YEL	52217	52222
CAUTION BURIED SEWER LINE BELOW	BLK/GRN	52218	52223
CAUTION BURIED WATER LINE BELOW	BLK/BLU	52219	52224

MS-511 Barricade & Warning Tape

These Barricade & Warning Tapes aid in preventing accidents by increasing the visibility of hazards.

- Custom legends available
- Highly visible
- 4 mil. thickness
- Red, yellow, green, blue, or purple background available

Legend	Text/Background Color	Part #
CAUTION DO NOT ENTER	BLK/YEL	51103
DANGER DO NOT ENTER	BLK/YEL	51104
DANGER DO NOT ENTER	WHT/RED	51104R
DANGER DANGER DANGER	BLK/RED	51113
DANGER PELIGRO DANGER	BLK/RED	51114
CAUTION KEEP OUT	BLK/YEL	51115
CAUTION CAUTION CAUTION	BLK/YEL	51116
CAUTION CUIDADO CAUTION	BLK/YEL	51117



Don't see the tape you need?
Go custom!

We can design custom tape to meet your specifications.



TAGS

1. Valve Tags

Easily communicates the coding of valves and instrumentation. Available in multiple materials such as MS-215, engraved plastic, brass, stainless steel, and aluminum.

2. Equipment Tags

These tags are designed for labeling pumps, fans, air handling units, and other critical equipment. Available in MS-215 flexible or rigid thermoplastic, engraved plastic, stainless steel, or enameled aluminum.

3. Accident Prevention Tags

Our Accident Prevention Tags draw attention to potentially dangerous or abnormal situations. They can be used for tagging equipment to convey specific characteristics, maintenance instructions, procedures, or warnings.



MS-215 Valve Tags

These high-performance tags protect the graphics from environmental conditions, making them the recommended choice for harsh environments. The tags can be secured with a variety of fasteners. Reflective and photoluminescent materials are available upon request.

- Available in sequential or one-off numeric legends
- Excellent outdoor life and chemical resistance
- Comes with one standard grommet
- Custom colors, sizes, and legends available
- Available with QR codes



Brass Valve Tags

Brass Valve Tags are an effective choice for labeling valves and systems.

- Available in sequential or one-off numeric legends
- .032" thick tags are available in 1½" and 2" round or square
- Comes with one standard ⅜" mounting hole
- Custom sizes and legends available



Anodized Aluminum Valve Tags

Easy to read Anodized Aluminum Valve tags provide a highly visible contrast between the engraved legend and the colored background. Use to tag valves, instruments, small piping, cables, or fugitive emission locations.

- Available in sequential or one-off numeric legends
- .032" thick tags are available in 1½" and 2" round or square
- Comes with one standard ⅜" mounting hole
- Background colors available: green, red, blue, gold, black, orange, and natural
- Custom sizes and legends available



Aluminum Valve Tags

These Aluminum Valve Tags are a durable option for a variety of identification needs. Tags come with high contrast permanent black text that is heat, chemical, and abrasion resistant, making them ideal for harsh environments.

- Can be used indoors/outdoors
- Custom sizes and legends available
- Multiple mounting options available



Stainless Steel Valve Tags

Designed to withstand frequent wash downs, chemical cleanings, high temperatures, and highly corrosive or caustic environments. This makes them an excellent choice for harsh environments.

- Can be used indoors/outdoors
- Black engraved text for visibility & durability
- Custom sizes and legends available
- Available with QR codes



Engraved Plastic Valve Tags

- Engraved legend clearly shows against contrasting background, making the tags easy to read
- Standard tags are engraved on 1/16" plastic with mounting holes or adhesive backing
- 1/8" and 1/16" thick 3 ply available
- Can be used indoors/outdoors
- Custom colors, sizes, and legends available
- Comes with one standard top hole



Engraved Plastic Equipment Tags

- Engraved legend provides high contrast between letter color and background color for easy visibility
- Excellent for in-house maintenance programs, building graphics, and door labels
- For indoor and outdoor applications
- Standard tags are engraved on 1/16" plastic with mounting holes or adhesive backing
- 1/8" and 1/16" thick 3 ply available
- Custom colors, sizes, and legends available



Enameled Aluminum Equipment Tags

Enameled aluminum makes aesthetically pleasing and small durable equipment tags. Standard uses include in-house maintenance programs, machinery numbering, building graphics, and door labels.

- Available in both black and white enameled aluminum
- White enamel recommended for indoor use only, add UV Overlamine or Rugged-Kote for outdoor use
- Black enamel can be used indoors/outdoors
- Custom colors, sizes, and legends available



MS-215 Equipment Tags

Complete printing flexibility – each unique tag can include multiple lines of text, equipment numbers, operation and maintenance instructions, safety precautions, or other critical asset information.

- Excellent outdoor life and chemical resistance
- Flexible or rigid material available
- Available with adhesive or grommets
- Custom colors, sizes, and legends available
- Available with QR codes



Stainless Steel Equipment Tags

Stainless Steel Equipment Tags are designed to withstand frequent wash downs, chemical cleanings, high temperatures, and highly corrosive or caustic environments. This makes them an excellent choice for industries with harsh operating environments such as ammonia facilities, offshore rigs, and power plants.

- Can be used indoors/outdoors
- Black engraved text for visibility & durability
- Custom sizes and legends available
- Available with QR codes



Accident Prevention Tags


































Used to tag equipment for lockout during maintenance, convey characteristics specific to a piece of equipment, or detail maintenance instructions and operating procedures.

- Highly visible printed legends will remain effective both indoors and outdoors (24-month outdoor use recommended)
- Each Accident Prevention Tag is 5¾" x 3" standard size (custom sizes available upon request)
- Stainless steel grommets are used to prevent tearing during use
- Comes with 8" nylon ties for easy installation

Ordering Accident Prevention Tags

- Determine the four-digit part number
- To order self-laminating, add SL before the part number
- To determine which back, add 1 or 2 to the end of the part number
- Example: To order a self-laminating ACID tag with back 1, order part #SL40021. A regular ACID tag with side 2 would be part #40022.
- To place an order: scan the QR code to order online or utilize the contact information listed below



 Part #4013	 Part #4014	 Part #4015	 Part #4016	 Part #4017	 Part #4018
 Part #4019	 Part #4020	 Part #4021	 Part #4022	 Part #4023	 Part #4024
 Part #4025	 Part #4026	 Part #4027	 Part #4028	 Part #4029	 Part #4030
 Part #4031	 Part #4032	 Part #4033	 Part #4034	 Part #4035	 Part #4036
 Part #4037	 Part #4038	 Part #4039	 Part #4040	 Part #4041	 Part #4042
 Part #4043	 Part #4044	 Part #4045			



Available with custom QR codes.



Back 1



Back 2



Self-laminating tags

 Part #4001	 Part #4002	 Part #4003	 Part #4004	 Part #4005	 Part #4006
 Part #4007	 Part #4008	 Part #4009	 Part #4010	 Part #4011	 Part #4012



SIGNS

1. Equipment Signs

Our Equipment Signs are offered in a variety of materials for different industries. We have options to conform to regulatory & international guidelines, or completely custom options to meet your needs.

2. GHS Signs

Communicate health & safety, chemical, and environment information to facility personnel. With excellent resistance to environmental conditions, these signs are perfect for both indoor and outdoor applications.

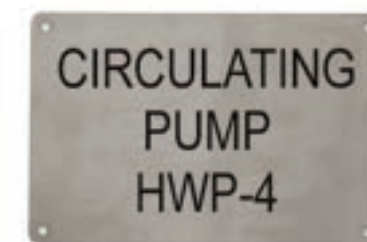
3. Operational & Safety Signs

Provides plant personnel with necessary information regarding hazard & equipment identification and operating procedures. Available in a variety of materials & sizes.

Stainless Steel Signs

Stainless Steel Signs are typically used in harsh environments. They are ideal for nameplates on machinery that continually run at high temperatures, or equipment & instrument identification in corrosive or caustic environments.

- Type 316 Stainless Steel
- Standard signs have radius corners
- Mounting holes or adhesive available for installation
- Black text is laser engraved for visibility and durability
- Available with QR codes
- Custom sizes and legends available



MS-215 Rigid & Flexible Signs

MS-215 Signs can be used in a variety of ways including naming and numbering tanks, vessels, or pieces of equipment.

- Flexible or rigid material available
- For mounting signs on curved surfaces, we recommend the flexible construction
- Excellent outdoor life and chemical resistance
- Available with QR codes
- Multiple mounting options available including adhesive or grommets
- Custom sizes, colors, and legends available



Anodized Aluminum Signs

Anodized Aluminum Signs identify critical equipment in both indoor & outdoor environments. They can also be used to show maintenance instructions, operating procedures, characteristics of a piece of equipment, and warn of potential danger.

- Legend provides excellent contrast
- Custom sizes, colors, and legends available



**Don't see the sign you need?
Go custom!**

Reach out to us today, we will design any custom sign to meet your specific needs.



Enameled Aluminum Signs

Enameled Aluminum Signs are used to identify critical equipment, show maintenance instructions, operating procedures, and warn of potential danger.

- Available in both black and white enameled aluminum
- White enameled signs recommended for indoor use only. Add UV Overlamine or Rugged-Kote for outdoor use
- Black enamel can be used indoors/outdoors
- Comes with standard 3/16" mounting holes (adhesive available)
- Custom sizes, colors, and legends available



Engraved Plastic Signs

These bright and durable engraved plastic signs can be used for in-house maintenance programs, machinery numbering, building graphics, and door signs.

- Engraving provides high contrast between letter color and background color for easy visibility
- For indoor or outdoor applications
- Standard signs are engraved on 1/16" plastic with mounting holes or adhesive backing
- 1/8" and 1/16" thick 3 ply available
- Excellent resistance to harsh environments
- Custom sizes, colors, and legends available



MS-215 GHS Signs

GHS Signs communicate information about possible health & safety situations, chemicals, and environments to facility personnel.

- Perfect for indoor or outdoor environments
- Flexible or rigid material available
- Excellent resistance to harsh environments
- Custom sizes, colors, and legends available



Operational & Safety Signs

Operational & Safety Signs provide plant personnel with necessary information regarding hazard & equipment identification and operating procedures. A variety of pre-set legends are available. Material options are either MS-215 rigid, MS-900 self-adhesive, or enameled aluminum.

- High-performance MS-215 Rigid Signs are the ideal choice for outdoor and harsh environments. (Available with grommets or adhesive)
- MS-900 Self-Adhesive Signs are ideal for indoor environments not subject to washdown chemicals (Add UV Overlamine for outdoor use)

<div>DANGER</div> <div>ACID</div> <div>EYE PROTECTION AND PROTECTIVE CLOTHING REQUIRED</div> <div>215R 900</div> <div>7"x12" 80000 82000</div> <div>10"x14" 80001 82001</div> <div>12"x20" 80002 82002</div>	<div>DANGER</div> <div>AUTHORIZED PERSONNEL ONLY</div> <div>215R 900</div> <div>7"x12" 80003 82003</div> <div>10"x14" 80004 82004</div> <div>12"x20" 80005 82005</div>	<div>DANGER</div> <div>CAUSTIC</div> <div>EYE PROTECTION AND PROTECTIVE CLOTHING REQUIRED</div> <div>215R 900</div> <div>7"x12" 80006 82006</div> <div>10"x14" 80007 82007</div> <div>12"x20" 80008 82008</div>	<div>DANGER</div> <div>CHEMICAL UNLOADING AREA</div> <div>AUTHORIZED PERSONNEL ONLY</div> <div>215R 900</div> <div>7"x12" 80009 82009</div> <div>10"x14" 80010 82010</div> <div>12"x20" 80011 82011</div>	<div>DANGER</div> <div>CHLORINE</div> <div>EYE PROTECTION AND PROTECTIVE CLOTHING REQUIRED</div> <div>215R 900</div> <div>7"x12" 80012 82012</div> <div>10"x14" 80013 82013</div> <div>12"x20" 80014 82014</div>	<div>DANGER</div> <div>CONFINED SPACE</div> <div>AUTHORIZED PERSONNEL ONLY</div> <div>215R 900</div> <div>7"x12" 80015 82015</div> <div>10"x14" 80016 82016</div> <div>12"x20" 80017 82017</div>
<div>DANGER</div> <div>CONFINED SPACE</div> <div>ENTER BY PERMIT ONLY</div> <div>215R 900</div> <div>7"x12" 80018 82018</div> <div>10"x14" 80019 82019</div> <div>12"x20" 80020 82020</div>	<div>DANGER</div> <div>DO NOT ENTER</div> <div>215R 900</div> <div>7"x12" 80021 82021</div> <div>10"x14" 80022 82022</div> <div>12"x20" 80023 82023</div>	<div>DANGER</div> <div>EAR PROTECTION REQUIRED BEYOND THIS POINT</div> <div>215R 900</div> <div>7"x12" 80024 82024</div> <div>10"x14" 80025 82025</div> <div>12"x20" 80026 82026</div>	<div>DANGER</div> <div>EYE PROTECTION REQUIRED BEYOND THIS POINT</div> <div>215R 900</div> <div>7"x12" 80027 82027</div> <div>10"x14" 80028 82028</div> <div>12"x20" 80029 82029</div>	<div>DANGER</div> <div>EAR AND EYE PROTECTION REQUIRED IN THIS AREA</div> <div>215R 900</div> <div>7"x12" 80030 82030</div> <div>10"x14" 80031 82031</div> <div>12"x20" 80032 82032</div>	<div>DANGER</div> <div>FLAMMABLE MATERIAL</div> <div>NO MATCHES OR OPEN FLAMES</div> <div>215R 900</div> <div>7"x12" 80033 82033</div> <div>10"x14" 80034 82034</div> <div>12"x20" 80035 82035</div>
<div>DANGER</div> <div>HARD HATS REQUIRED BEYOND THIS POINT</div> <div>215R 900</div> <div>7"x12" 80036 82036</div> <div>10"x14" 80037 82037</div> <div>12"x20" 80038 82038</div>	<div>DANGER</div> <div>HARD HAT AREA</div> <div>215R 900</div> <div>7"x12" 80039 82039</div> <div>10"x14" 80040 82040</div> <div>12"x20" 80041 82041</div>	<div>DANGER</div> <div>HAZARDOUS AREA</div> <div>AUTHORIZED PERSONNEL ONLY</div> <div>215R 900</div> <div>7"x12" 80042 82042</div> <div>10"x14" 80043 82043</div> <div>12"x20" 80044 82044</div>	<div>DANGER</div> <div>HEARING PROTECTION REQUIRED IN THIS AREA</div> <div>215R 900</div> <div>7"x12" 80045 82045</div> <div>10"x14" 80046 82046</div> <div>12"x20" 80047 82047</div>	<div>DANGER</div> <div>HIGH PRESSURE GAS LINE</div> <div>215R 900</div> <div>7"x12" 80048 82048</div> <div>10"x14" 80049 82049</div> <div>12"x20" 80050 82050</div>	<div>DANGER</div> <div>HIGH VOLTAGE</div> <div>215R 900</div> <div>7"x12" 80051 82051</div> <div>10"x14" 80052 82052</div> <div>12"x20" 80053 82053</div>
<div>DANGER</div> <div>HIGH VOLTAGE KEEP OUT</div> <div>215R 900</div> <div>7"x12" 80054 82054</div> <div>10"x14" 80055 82055</div> <div>12"x20" 80056 82056</div>	<div>DANGER</div> <div>KEEP OUT</div> <div>215R 900</div> <div>7"x12" 80057 82057</div> <div>10"x14" 80058 82058</div> <div>12"x20" 80059 82059</div>	<div>DANGER</div> <div>NITROGEN STORAGE AREA</div> <div>215R 900</div> <div>7"x12" 80060 82060</div> <div>10"x14" 80061 82061</div> <div>12"x20" 80062 82062</div>	<div>DANGER</div> <div>NO SMOKING</div> <div>215R 900</div> <div>7"x12" 80063 82063</div> <div>10"x14" 80064 82064</div> <div>12"x20" 80065 82065</div>	<div>DANGER</div> <div>NO SMOKING BEYOND THIS POINT</div> <div>215R 900</div> <div>7"x12" 80066 82066</div> <div>10"x14" 80067 82067</div> <div>12"x20" 80068 82068</div>	<div>DANGER</div> <div>SMOKING IN DESIGNATED AREAS</div> <div>215R 900</div> <div>7"x12" 80069 82069</div> <div>10"x14" 80070 82070</div> <div>12"x20" 80071 82071</div>
<div>DANGER</div> <div>PROPANE GAS</div> <div>AUTHORIZED PERSONNEL ONLY</div> <div>215R 900</div> <div>7"x12" 80072 82072</div> <div>10"x14" 80073 82073</div> <div>12"x20" 80074 82074</div>	<div>DANGER</div> <div>PERSONAL PROTECTIVE EQUIPMENT MUST BE WORN IN THIS AREA</div> <div>215R 900</div> <div>7"x12" 80075 82075</div> <div>10"x14" 80076 82076</div> <div>12"x20" 80077 82077</div>	<div>DANGER</div> <div>SULFURIC ACID</div> <div>EYE PROTECTION AND PROTECTIVE CLOTHING REQUIRED</div> <div>215R 900</div> <div>7"x12" 80078 82078</div> <div>10"x14" 80079 82079</div> <div>12"x20" 80080 82080</div>	<div>DANGER</div> <div>THIS EQUIPMENT STARTS AUTOMATICALLY</div> <div>215R 900</div> <div>7"x12" 80081 82081</div> <div>10"x14" 80082 82082</div> <div>12"x20" 80083 82083</div>	<div>DANGER</div> <div>WATCH OUT FOR FORKLIFT TRAFFIC IN THIS AREA</div> <div>215R 900</div> <div>7"x12" 80084 82084</div> <div>10"x14" 80085 82085</div> <div>12"x20" 80086 82086</div>	<div>DANGER</div> <div>WEAR FACE SHIELDS AND GLOVES WHEN UNLOADING CHEMICALS</div> <div>215R 900</div> <div>7"x12" 80087 82087</div> <div>10"x14" 80088 82088</div> <div>12"x20" 80089 82089</div>
<div>CAUTION</div> <div>AUTHORIZED PERSONNEL ONLY</div> <div>215R 900</div> <div>7"x12" 80090 82090</div> <div>10"x14" 80091 82091</div> <div>12"x20" 80092 82092</div>	<div>CAUTION</div> <div>EYE AND EAR PROTECTION MUST BE WORN IN THIS AREA</div> <div>215R 900</div> <div>7"x12" 80093 82093</div> <div>10"x14" 80094 82094</div> <div>12"x20" 80095 82095</div>	<div>CAUTION</div> <div>FORKLIFT TRAFFIC KEEP CLEAR</div> <div>215R 900</div> <div>7"x12" 80096 82096</div> <div>10"x14" 80097 82097</div> <div>12"x20" 80098 82098</div>	<div>CAUTION</div> <div>HARD HAT AREA</div> <div>215R 900</div> <div>7"x12" 80099 82099</div> <div>10"x14" 80100 82100</div> <div>12"x20" 80101 82101</div>	<div>CAUTION</div> <div>SAFETY SHOES MUST BE WORN IN THIS AREA</div> <div>215R 900</div> <div>7"x12" 80102 82102</div> <div>10"x14" 80103 82103</div> <div>12"x20" 80104 82104</div>	<div>NOTICE</div> <div>AUTHORIZED PERSONNEL ONLY</div> <div>215R 900</div> <div>7"x12" 80105 82105</div> <div>10"x14" 80106 82106</div> <div>12"x20" 80107 82107</div>
<div>NOTICE</div> <div>HARD HATS MUST BE WORN IN THIS AREA</div> <div>215R 900</div> <div>7"x12" 80108 82108</div> <div>10"x14" 80109 82109</div> <div>12"x20" 80110 82110</div>	<div>NOTICE</div> <div>WHEEL CHOCKS REQUIRED FOR LOADING AND UNLOADING</div> <div>215R 900</div> <div>7"x12" 80111 82111</div> <div>10"x14" 80112 82112</div> <div>12"x20" 80113 82113</div>	<div>EMERGENCY</div> <div>EYE WASH STATION</div> <div>215R 900</div> <div>7"x12" 80114 82114</div> <div>10"x14" 80115 82115</div> <div>12"x20" 80116 82116</div>	<div>EMERGENCY</div> <div>SAFETY SHOWER</div> <div>215R 900</div> <div>7"x12" 80117 82117</div> <div>10"x14" 80118 82118</div> <div>12"x20" 80119 82119</div>		

ELECTRICAL

1. Arc Flash Labels

These labels provide electricians and staff with information to maintain plant & personnel safety. Completely customizable for your specific application.

2. Nameplates

Our Nameplates are offered in a variety of different materials for different electrical labeling needs. We have options to conform to regulatory & international guidelines, or completely custom options to meet your needs.

3. Switch & Cover Plates

Our Switch & Cover Plates are the ideal option for marking all of your controls, circuits, and switches. Completely customizable to provide critical electrical information based on your specifications.

4. Conduit & Cable Markers

Provides labeling options for all electrical connections, including circuit numbers and source & designation of conduits and cables.

5. Cable Tray Markers

These markers are designed to allow you to label and identify junctions, branches, and trays leading to equipment.



MS-900 Self-Adhesive Arc Flash Labels

MS-900 Self-Adhesive Arc Flash Labels are designed to mark switchboards, panel boards, industrial control panels, meter socket enclosures, and motor control centers that require examination, adjustment, servicing, or maintenance while energized. All labels include a safety header and alert symbol.

- Made of premium-grade material with an acrylic pressure-sensitive adhesive
- Labels can be preprinted with custom information provided by the customer (must provide PDF artwork created to size)
- Labels comply with NFPA 70E, NEC Section 110, and OSHA safety requirements
- Add UV Overlamine for outdoor use



MS-478 Self-Adhesive Arc Flash Labels

These premium Arc Flash Labels are custom printed with the information and safety header for your specific application. All labels include a safety header and alert symbol. Other information can include incident energy (cal/cm²), hazard category, PPE required, and boundary distances. These labels comply with the NFPA, NEC, and OSHA requirements.

- Made of pre-printed 2 mil. thick polyester
- Add UV Overlamine for outdoor use
- Labels can be pre-printed with custom information provided by the customer (must provide PDF artwork created to size)



Need Solar Labels? See Our
Solar Section on Page 40



MS-215 Nameplates

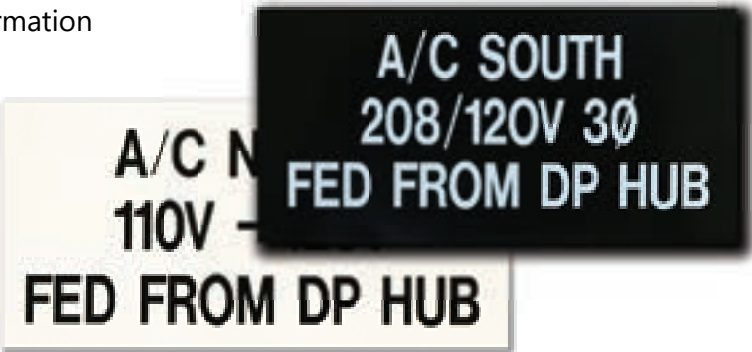
- Excellent outdoor life and chemical resistance
- Flexible or rigid material available
- Complete printing flexibility – each unique nameplate can include multiple lines of text, equipment number, operation and maintenance instructions, safety precautions, or other critical asset information
- Available with adhesive or grommets
- Custom colors, sizes, and legends available
- Double sided tags available



MS-478 Labels

MS-478 Labels are ideal for recording equipment information and settings with easy-to-read legends.

- Made from 2 mil. thick polyester
- Add UV Overlamine for outdoor use
- Custom colors, sizes, and legends available



Engraved Plastic Nameplates

- Engraved legend provides high contrast between letter color and background color for easy visibility
- Excellent for in-house maintenance programs, building graphics, and door signs
- For indoor and outdoor applications
- Standard nameplates are engraved on 1/16" plastic with mounting holes or adhesive backing
- 1/8" and 1/16" thick 3 ply available
- Custom colors, sizes, and legends available



MS-900 Self-Adhesive Vinyl Box Labels

MS-900 Self-Adhesive Vinyl Box Labels are constructed using 4 mil. thick premium grade thermoplastic film with permanent acrylic pressure-sensitive adhesive. Designed for a wide variety of substrates and can be used for many general electrical labeling needs.

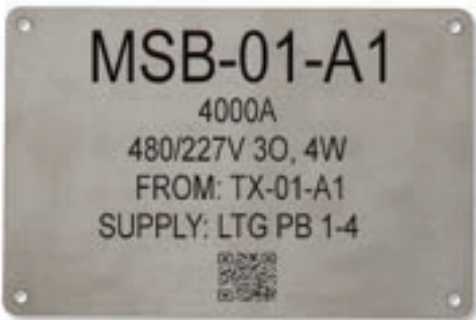
- Add UV Overlamine for outdoor use
- Designed for smooth, flat surfaces
- Can be furnished individually or pre-cut in sheet form



Stainless Steel Nameplates

Stainless Steel Nameplates are designed to withstand frequent wash downs or chemical cleanings, machinery that runs at high temperatures, and highly corrosive or caustic environments. This makes them an excellent choice for electrical labeling in harsh operating environments such as ammonia facilities, offshore rigs, and power generation. The black text is engraved for visibility as well as durability.

- Can be used indoors and outdoors
- Black engraved text
- Custom sizes and legends available



Plastic and Stainless Steel Switch & Cover Plates

Plastic and Stainless Steel Switch & Cover Plates can be engraved and color filled making them the ideal option for identifying important circuits such as those connected to emergency backup power. Customized switch plates take the mystery out of your switches by identifying critical electrical information based on your specifications.

- Multiple lines of text available
- Engraving allows for a wide variety of font choices
- Text height based on number of characters and available space
- No minimum order quantity
- For stainless steel engraved plates, our service leaves a tactile finish so that in the event of a fire, plate identification is still legible
- We can supply plates or work with your existing ones



Rotary Switch Plates

Mark all of your controls with our switch plates for smooth, mistake-free operations. Available in all standard switch configurations. Plates are made from 1/16" engraved plastic.



MS-970 Coiled Data Conduit & Cable Markers

Ideal for data centers, these markers are designed to efficiently and effectively mark, organize, and control the complex conduit found in data transmission, telecommunications, fiber optics, CATV, and electrical systems.

- Semi-rigid coiled markers wrap completely around conduit and remain secure without the use of adhesives
- Available with or without text
- Multiple color bands/color combinations available
- Custom widths available

Style	Conduit Diameter	Marker Width	Pieces per Stick
A	1/2" - 1"	2"	4
B	1 1/8" - 2 1/4"	2"	4
C	2 3/8" - 3 1/4"	2"	6
D	3 3/8" - 4 1/2"	2"	6
E	4 5/8" - 5 7/8"	2"	6



MS-995 Coiled Data Conduit & Cable Markers

MS-995 Coiled Data Conduit & Cable Markers are an excellent choice in harsh indoor or outdoor environments. These coils use color and/or text to communicate important information regarding service, end-user, or origin of conduit.

- Coils are sized to fit completely around the circumference of the conduit and adhere to themselves
- Constructed with UV Overlaminates, these markers provide maximum protection from UV and chemical exposure

Style	Conduit Diameter	Marker Width
A	Up to 1"	2"
B	1 1/8" - 2 1/4"	2"
D	2 1/2" - 4 3/4"	2"
E	5" - 7 7/8"	2"



Stainless Steel Conduit & Cable Markers

Engraved Type 316 Stainless Steel Conduit & Cable Markers are designed for the highly corrosive environments of pharmaceutical manufacturing, petrochemical facilities, and other harsh environments. Markers are strapped onto cable using stainless steel or nylon strapping (**page 60**).



MS-900 Self-Adhesive Conduit & Cable Markers

MS-900 Self-Adhesive Conduit & Cable Markers are designed for labeling conduit, panel boxes, circuit breakers, and connections to equipment.

- Black text on orange labels provide a highly visible warning of potential electrical hazards
- Self-adhesive material ensures a durable, long-lasting indoor marker
- Custom legends and colors available
- 1/2" x 2 1/2" labels are supplied/priced ten markers per sheet



MS-970 Coiled Conduit & Cable Markers

MS-970 Coiled Conduit & Cable Markers are designed to eliminate the confusion of tightly packed conduit and cable. The coiled design allows them to quickly snap around conduit or cable, clearly identifying voltages or functions. The durable material allows for maximum life in an indoor environment.

- Indoor use only
- No adhesive necessary



Stock Legend	MS-900 1/2" x 2 1/2"	MS-900 1" x 8"	MS-900 2" x 9"	MS-970 Part #'s
13,200 VOLTS	70027	71027	72027	
110 VOLTS	70001	71001	72001	9780-
115 VOLTS	70002	71002	72002	9781-
120 VOLTS	70003	71003	72003	9782-
120/208 VOLTS	70004	71004	72004	9783-
208 VOLTS	70005	71005	72005	9784-
220 VOLTS	70006	71006	72006	9785-
230 VOLTS	70007	71007	72007	9786-
240 VOLTS	70008	71008	72008	9787-
277 VOLTS	70010	71010	72010	9788-
277/480 VOLTS	70011	71011	72011	9789-
440 VOLTS	70012	71012	72012	
480 VOLTS	70014	71014	72014	9790-
600 VOLTS	70016	71016	72016	9791-
4160 VOLTS	70026	71026	72026	9792-
CONTROL	70028	71028	72028	9793-
DATA	70021	71021	72021	9794-
FIBER OPTIC CABLE	70029	71029	72029	9795-
FIRE ALARM	70030	71030	72030	9796-
LIGHTING	70017	71017	72017	9797-
POWER	70018	71018	72018	9798-
SECURITY	70025	71025	72025	9799-
SINGLE PHASE	70019	71019	72019	9696-
TELEPHONE	70031	71031	72031	9697-
THREE PHASE	70020	71020	72020	9698-

Style	Diameter
A	1/2" - 1"
B	1 1/8" - 2 1/4"
C	2 3/8" - 3 1/4"
D	3 3/8" - 4 1/2"
E	4 5/8" - 5 7/8"

Use this chart for MS-970 Part #'s

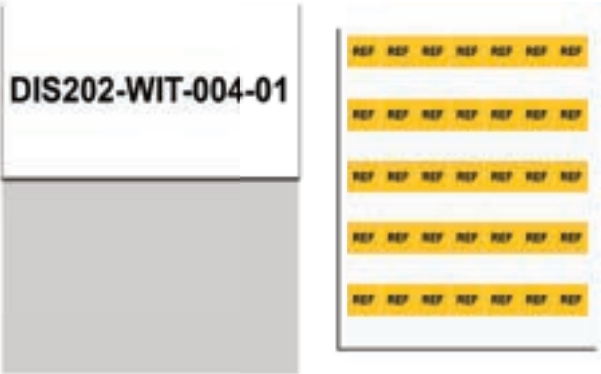
Order MS-970 Pipe Markers

- Determine the four-digit part number from the table for each legend (column 5)
- Use the marker style table above to determine appropriate size and add corresponding letter to end of part #
- Example: The marker "110 Volts" for 2" diameter would be part number 9780B
- Contact us for custom markers

Self-Laminating Wire Markers

Self-Laminating Wrap Around Wire and Terminal Markers are premium outdoor grade clear material with an acrylic pressure-sensitive adhesive. They are used to provide branch circuit or feeder numbers for power and lighting circuits and system color-coding.

- Can be pre-printed in custom colors including clear
- Text height based on wire size
- Markers come in sheets
- Quantity of markers per sheet dependent on size



Heat Shrink Wire Markers

Heat Shrink Wire and Terminal Markers are designed to provide branch circuit or feeder numbers for power and lighting circuits and system color-coding.

- Installation can be done with any heat gun
- Standard marker color is black text on white background
- Custom colors and legends available



MS-264 Engraved Plastic Cable Markers

Ideal for labeling electrical cables in control panels, these markers display engraved legends that are easily legible. They are designed with a matte finish, beveled edges, and notches for secure installation using standard 50 lb. cable ties.

- Engraved plastic material has excellent resistance to harsh environments
- Can replace phenolic material
- Custom sizes, colors, and legends available



MS-215 Cable Tray Markers

These Cable Tray Markers are constructed of printed graphics sealed between layers of chemical resistant plastic. The durable material provides excellent resistance to harsh environments.

- Flexible or rigid material available
- Can be used indoors/outdoors
- Excellent resistance to UV exposure, abrasion, water, and harsh chemicals
- Flexible material is able to be mounted on curved surfaces
- Custom sizes, colors, and legends available



MS-478 Cable Tray Markers

MS-478 Cable Tray Markers are the ideal solution for identifying smooth-sided cable trays. Add UV Overlamine for maximum protection against UV exposure and chemicals.

- Self-adhesive
- Easy installation with minimal surface preparation
- Custom sizes, colors, and legends available



MS-900 Self-Adhesive Cable Tray Markers

These markers are designed to allow you to label and identify junctions, branches, and trays leading to equipment. The self-adhesive material conforms to the shape of your tray and is easily applied with minimal preparation. Add UV Overlamine for maximum protection against UV exposure and chemicals.

- Excellent option for indoor labeling
- Custom sizes, colors, and legends available



FIRE PROTECTION

1. Fire ID Pipe Markers

These markers are used to identify the fire protection piping. The coiled design allows for easy installation by wrapping around the pipe and self-sealing.

2. Fire ID Labels & Signs

Fire ID Labels & Signs provide crucial information for access doors and fire risers & sprinklers to assist personnel in emergency response.

MS-970 Coiled Pipe Markers

MS-970 Coiled Pipe Markers are constructed of semi-rigid material and are designed to identify piping in a wide variety of environments, especially in applications where the pipe surface is rough, oily, or wet. They stay in place on pipes due to the memory of the coiling process and do not rely on adhesives. Complies with ANSI/ASME A13.1.

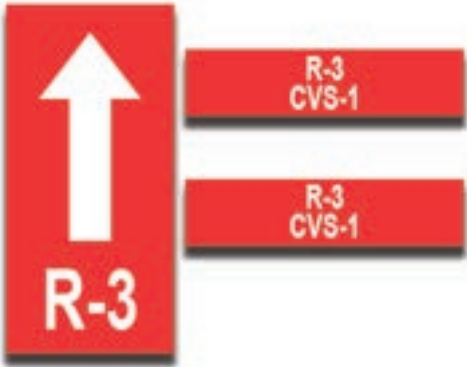
- For pipe 6" in diameter and larger, use nylon straps to secure the plastic marker around the pipe
- Straps included

Pipe Diameter	Marker Style	Marker Width	Character Height	Marker Type
1/4" - 3/8"	TM	3"	1/4"	Coiled
1/2" - 1"	A	8"	1/2"	Coiled
1 1/8" - 2 1/4"	B	8"	3/4"	Coiled
2 3/8" - 3 1/4"	C	12"	1 1/4"	Coiled
3 3/8" - 4 1/2"	D	12"	1 1/4"	Coiled
4 5/8" - 5 7/8"	E	12"	1 1/4"	Coiled
6" - 7 7/8"	F	12"	1 1/4"	Strap-On
8" - 10"	G	24"	2 1/2"	Strap-On
Over 10"	H	34"	3 1/2"	Strap-On

Legend	Color	Part #
FIRE PROTECTION WATER	RED	9826
FIRE SPRINKLER WATER	RED	9736

MS-900 Self-Adhesive Fire Riser & Sprinkler Labels

- Identifies each riser to isolate for testing/maintenance
- Highly visible white on red printing provides quick identification for fire departments or in-house personnel
- Mark branch lines from control valve to isolate branch and eliminate the need to shut down the entire main header



Engraved Plastic Access Door Signs

- Engraving provides high contrast between letter color and background color for easy visibility
- Standard tags are engraved on 1/16" plastic with mounting holes or adhesive backing
- Custom sizes, colors, and legends available



MS-900 Self-Adhesive Fire Damper & Access Door Labels

Use MS-900 labels to identify the fire protection piping and fire damper access doors.

- Self-adhesive labels simply adhere to the surface with minimal preparation
- Labels can be customized to designate the specific system or zone
- Sizes and colors comply with the NFPA Standard



Legend	Size	Color	Part #
FIRE DAMPER ACCESS DOOR	3" x 3"	RED	67000
FIRE/SMOKE DAMPER ACCESS DOOR	3" x 3"	RED	67001

Legend	Color	1" x 8"	2 1/4" x 13"	4" x 24"
FIRE DAMPER	RED	91433	92433	93433
FIRE/SMOKE DAMPER	RED	91434	92434	93434
FIRE PROTECTION WATER	RED	91142	92142	93142
FIRE SPRINKLER WATER	RED	91143	92143	93143

White Enameled Aluminum Fire ID Signs

White Enameled Aluminum Fire ID Signs identify critical equipment and locations. The enameled background makes an easy to read and aesthetically pleasing equipment sign.

- Variety of mounting options available
- Custom sizes, colors, and legends available
- Add UV Overlamine or Rugged-Kote for outdoor use



SOLAR

1. Solar Placards

Solar Placards are designed to withstand the harshest environments. Available in engraved plastic, MS-900 self-adhesive, or MS-215 material, they can be completely customized to meet project specifications.

2. Solar Sitemaps

Used to map out the equipment and layout of a solar site. These highly customized sitemaps are made with the exact specifications provided to us.

3. Solar Wire Markers

Used for labeling wires and terminals. These are an excellent choice for color-coding, identifying, and differentiating wires on a site.

4. Solar Labels & Signs

Available in multiple materials, our Solar Labels & Signs have a variety of pre-set or custom options. From job site information to warnings, these labels and signs are an excellent choice for any photovoltaic labeling.

*For Arc Flash Labels see **Page 30**

MS-215 Rigid Solar Placards

MS-215 Rigid Solar Placards are the ideal choice for photovoltaic labeling on your next solar project. They are constructed of printed graphics sealed between layers of chemical resistant plastic. The top layer is a durable thermoplastic that provides excellent resistance to process chemicals, protection from abrasion, and functions as a UV filter to prevent fading of printing and graphics.

- Excellent outdoor life and chemical resistance
- Available with QR codes
- Adhesive mounting
- Custom sizes, colors, and legends available



MS-215 Rigid "Warning" Solar Placards

MS-215 Rigid "Warning" Solar Placards are the ideal choice for photovoltaic labeling on your next solar project. They are constructed of printed graphics sealed between layers of chemical resistant plastic. The top layer is a durable thermoplastic that provides excellent resistance to process chemicals, protection from high impact, and functions as a UV filter to prevent fading of printing and graphics.

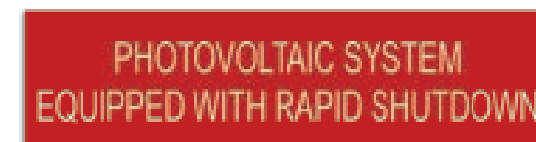
- Fixed "Warning" header



Engraved Plastic Solar Placards

These durable placards are an excellent choice for photovoltaic labeling. The engraved legend provides excellent contrast against the background of the placard. Placards come with adhesive backing and surface preparation is recommended before application.

- Excellent outdoor life and abrasion resistance
- Adhesive mounting
- Custom sizes, colors, and legends available



Engraved Plastic "Warning" Solar Placards

These durable placards are an excellent choice for photovoltaic labeling. The engraved legend provides excellent contrast against the background of the sign. Placards can be used indoor or outdoor and come with adhesive backing. Surface preparation is recommended before application.



MS-215 Solar Sitemaps

Used to map out the equipment and layout of a solar site. These highly customizable sitemaps are extremely durable and can be made to exact specifications.

- Excellent outdoor life and chemical resistance
- Available with QR codes
- Custom sizes and colors available
- Manufactured with a customer provided PDF



Self-Laminating Solar Wire Markers

Self-Laminating Wrap Around Wire and Terminal Markers are made from premium outdoor-grade clear material with an acrylic pressure-sensitive adhesive. They are used to provide branch circuit or feeder numbers for power and lighting circuits and system color-coding.

- Can be pre-printed in custom colors including clear
- Text height based on wire size
- Markers come in sheets
- Quantity of markers per sheet depends on size



Engraved Plastic Solar Sitemaps

Used to map out the equipment and layout of a solar site. These highly customizable sitemaps are extremely durable and can be made to exact specifications. The engraved design provides a durable option for long-term use.

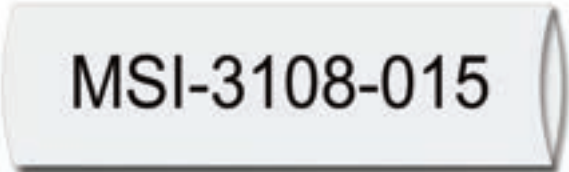
- Engraved legend provides excellent contrast against the background of the sitemap
- Excellent outdoor life and abrasion resistance
- Custom sizes and colors available
- Manufactured with a customer provided PDF



Heat Shrink Solar Wire Markers

Wire and Terminal Markers are designed to provide branch circuit or feeder numbers for power and lighting circuits and system color-coding.

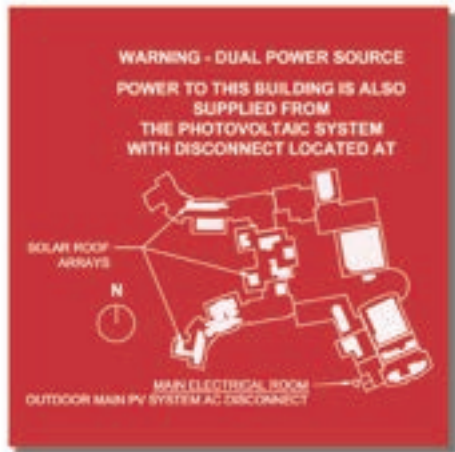
- Installation can be done with any heat gun
- Standard marker color is black text on white background
- Custom colors and legends available



MS-900 Self-Adhesive Solar Sitemaps

Used to map out the equipment and layout of a solar site. These highly customizable sitemaps are extremely durable and can be made to exact specifications.

- UV Overlamine included for outdoor use
- Easy installation with minimal surface preparation
- Custom sizes and colors available
- Manufactured with a customer provided PDF



MS-215 MV Cable Labels

These MS-215 MV Cable Labels are constructed of printed graphics sealed between layers of chemical resistant plastic. The durable and flexible design allows for mounting on curved surfaces.

- Flexible material
- Excellent resistance to UV exposure, abrasion, water, and harsh chemicals
- Custom sizes, colors, and legends available
- Reflective material available



MS-900 Self-Adhesive Solar Labels

MS-900 Self-Adhesive Solar Labels with UV Overlamine are an excellent choice for photovoltaic labeling. The self-adhesive design allows for easy installation with limited surface preparation. The UV Overlamine gives great outdoor durability and extended life.

- Self-adhesive
- Custom sizes, colors, and legends available
- NEC compliant

MS-900 "Warning" Self-Adhesive Solar Labels

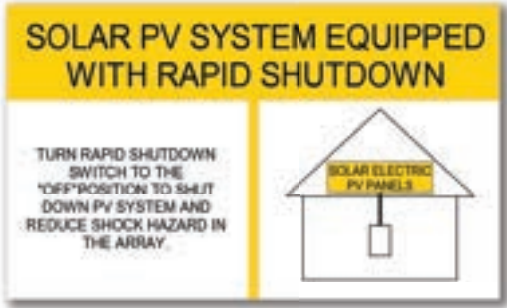
Available in a variety of pre-set or custom options with a fixed "Warning" header. They can be easily installed with minimal surface preparation. Labels come with standard UV Overlamine, protecting them from UV exposure and making them a durable option for outdoor labeling needs.

- Self-adhesive
- Variety of pre-set legends
- Custom sizes, colors, and legends available
- NEC compliant

Aluminum Solar Signs

These custom signs are ideal for keeping a job site safe and informed. Each sign comes coated with our high-performance proprietary and environmentally friendly Rugged-Kote surface treatment, making them a great outdoor sign. Signs come standard with 4 corner holes, allowing them to be easily attached to fences or gates with a fastener. Other mounting options available upon request.

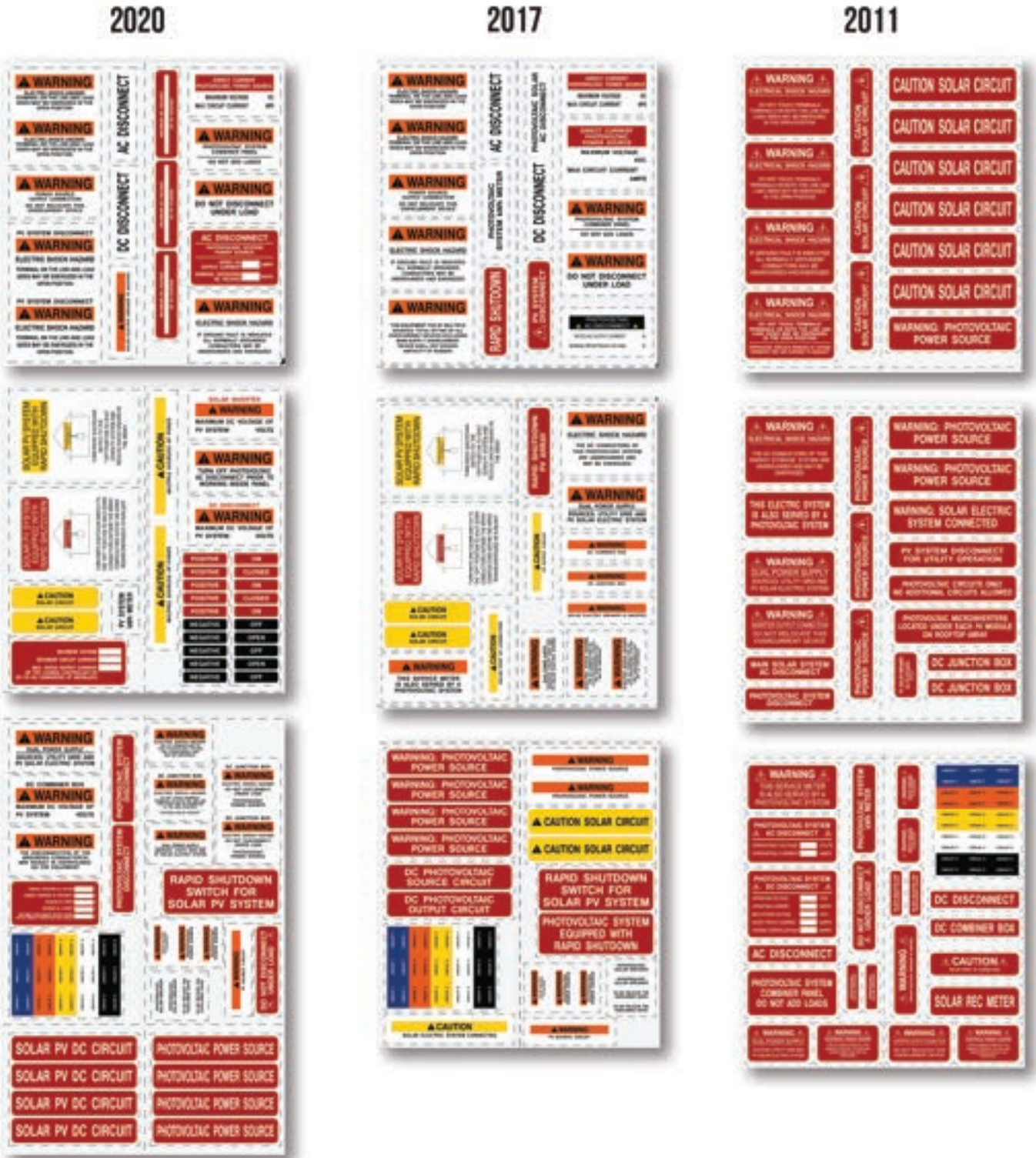
- Easy installation
- Optional hog rings available for mounting
- Custom sizes, colors, and legends available



Residential Solar Labeling Kits

Get all your NEC-compliant solar labels in our photovoltaic Solar Labeling Kits. Our premium-grade thermoplastic self-adhesive labels with a UV Overlamine are an excellent choice for residential labeling. The self-adhesive design allows for easy installation with limited surface preparation and the UV Overlamine gives great outdoor durability and extended service life.

- Available in 2020, 2017, and 2011 colors



AMMONIA

1. Ammonia Pipe Markers

Available in our MS-900 or MS-995 material, these IIAR-Compliant markers are ideal for cold storage areas or any other ammonia environment.

2. Component Markers

Available in MS-215 or MS-900 material, these durable Component Markers are an IIAR-Compliant solution to label your ammonia equipment.

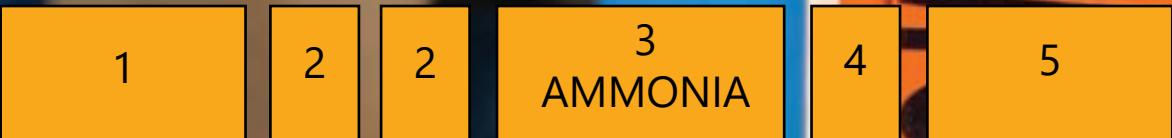
3. CO2 Pipe Markers

Available in our MS-900 or MS-995 material, these markers are ideal for cold storage areas or any other CO2 environment.

4. Ammonia Signs

Made with our MS-215 material these charts and signs are designed to withstand harsh ammonia environments and keep your personnel safe and informed.

Ammonia Refrigeration Marker Layout



Each marker has five information parts

- 1. Ammonia Piping Abbreviation Section
- 2. Physical State: LIQ (Orange or Yellow) and/or VAP (Blue)
- 3. Ammonia: Black letters on Orange or Yellow background
- 4. Pressure Level: Green = LOW (70 PSIG or less)
RED = HIGH (greater than 70 PSIG)
- 5. Directional arrow (printed on marker) - scored

MS-995 Coiled & Curved Carrier Ammonia Markers

These maximum performance pipe markers can stand up to high heat, harsh chemicals, and direct exposure to sunlight, which makes them an excellent choice for an ammonia environment.

- Construction provides proven protection from effects of direct sunlight
- Pipe markers can be removed or reinstalled
- Pre-coiled pipe markers install easily by wrapping completely around pipe and affixing to themselves (not the pipe surface) with a sealing strip, eliminating the need for surface preparation
- Available in yellow and safety orange per the revised IIAR Bulletin 114
- The MF, MJ, and M markers consist of a legend label applied to a durable carrier. Markers are attached to pipes using stainless steel straps (see **page 62**). They are designed for easy installation and high visibility on rooftop or elevated piping
- Locking tool for coil straps available for purchase (see **page 63**)

Legend	Part #	Abbv	State	Pres
BOOSTER DISCHARGE	3101	BD	VAP	LOW
CONDENSER DRAIN	3102	CD	LIQ	HIGH
DEFROST CONDENSATE	3116	DC	LIQ/VAP	HIGH
ECONOMIZER SUCTION	3118	ES	VAP	LOW
EQUALIZER	3117	EQ	VAP	HIGH
FOUL GAS	3119	FG	VAP	LOW
FOUL GAS	3131	FG	VAP	HIGH
HIGH PRESSURE LIQUID	3104	HPL	LIQ	HIGH
HIGH STATE DISCHARGE	3105	HSD	VAP	HIGH
HIGH STATE SUCTION	3106	HSS	VAP	LOW
HIGH TEMP RECIRCULATED LIQUID	3107	HTRL	LIQ	LOW
HIGH TEMP RECIRCULATED SUCTION	3108	HTRS	LIQ/VAP	LOW
HIGH TEMP SUCTION	3120	HTS	VAP	LOW
HOT GAS	3121	HG	VAP	HIGH
HOT GAS DEFROST	3103	HGD	VAP	HIGH
LIQUID DRAIN	3122	LD	LIQ	LOW
LIQUID INJECTION COOLING	3123	LIC	LIQ	HIGH
LIQUID TRANSFER	3124	LT	LIQ	LOW
LOW STAGE SUCTION	3109	LSS	VAP	LOW
LOW TEMP RECIRCULATED LIQUID	3110	LTRL	LIQ	LOW
LOW TEMP RECIRCULATED SUCTION	3111	LTRS	LIQ/VAP	LOW
LOW TEMP SUCTION	3125	LTS	VAP	LOW
MEDIUM TEMP RECIRCULATED LIQUID	3126	MTRL	LIQ	LOW
MEDIUM TEMP RECIRCULATED SUCTION	3127	MTRS	LIQ/VAP	LOW
MEDIUM TEMP SUCTION	3128	MTS	VAP	LOW
PUMP OUT	3129	PO		
PURGE LINE	3130	PL	VAP	HIGH
RELIEF VENT	3112	RV	VAP	HIGH
RELIEF VENT	3113	RV		
THERMOSYPHON RETURN	3114	TSR	LIQ/VAP	HIGH

Outside Diameter (Including Insulation)	Marker Style	Marker Width (around pipe)	Marker Length (along pipe)
Up to 1¼"	A	5"	8"
¾" - 2"	B	9"	8"
2" - 2½"	C	12"	12"
2¾" - 4¾"	D	17"	12"
5" - 7⅞"	E	26"	12"

Outside Diameter (Including Insulation)	Marker Style	Carrier Size	Label Height
¾" - 1⅞"	MJ	2.2" x 10"	1½" x 9"
2" - 7⅞"	MF	3½" x 17"	2½" x 16"
8" and up	M	5" x 33"	4½" x 32"

Use this chart for MS-995 Carrier Pipe Markers



MS-900 Self-Adhesive Ammonia Pipe Markers With UV Overlamine

The premium self-adhesive material allows these markers to be installed with minimal surface preparation. The scored arrow conveniently eliminates the need to determine direction of flow prior to ordering. Follows the revised IIAR Bulletin 114.

- Available without UV Overlamine for indoor use
- Custom legends, sizes, and bands available

Legend	Part #	Abbv	State	Pres
BOOSTER DISCHARGE	3017 TO	BD	VAP	LOW
CONDENSER DRAIN	3001 TO	CD	LIQ	HIGH
DEFROST CONDENSATE	3002 TO	DC	LIQ/VAP	HIGH
ECONOMIZER SUCTION	3018 TO	ES	VAP	LOW
EQUALIZER	3003 TO	EQ	VAP	HIGH
FOUL GAS	3019 TO	FG	VAP	LOW
HIGH PRESSURE LIQUID	3005 TO	HPL	LIQ	HIGH
HIGH STATE DISCHARGE	3006 TO	HSD	VAP	HIGH
HIGH STATE SUCTION	3007 TO	HSS	VAP	LOW
HIGH TEMP RECIRCULATED LIQUID	3008 TO	HTRL	LIQ	LOW
HIGH TEMP RECIRCULATED SUCTION	3009 TO	HTRS	LIQ/VAP	LOW
HIGH TEMP SUCTION	3020 TO	HTS	VAP	LOW
HOT GAS	3021 TO	HG	VAP	HIGH
HOT GAS DEFROST	3004 TO	HGD	VAP	HIGH
LIQUID DRAIN	3022 TO	LD	LIQ	LOW
LIQUID INJECTION COOLING	3023 TO	LIC	LIQ	HIGH
LIQUID TRANSFER	3024 TO	LT	LIQ	LOW
LOW STAGE SUCTION	3010 TO	LSS	VAP	LOW
LOW TEMP RECIRCULATED LIQUID	3011 TO	LTRL	LIQ	LOW
LOW TEMP RECIRCULATED SUCTION	3012 TO	LTRS	LIQ/VAP	LOW
LOW TEMP SUCTION	3025 TO	LTS	VAP	LOW
MEDIUM TEMP RECIRCULATED LIQUID	3026 TO	MTRL	LIQ	LOW
MEDIUM TEMP RECIRCULATED SUCTION	3027 TO	MTRS	LIQ/VAP	LOW
MEDIUM TEMP SUCTION	3028 TO	MTS	VAP	LOW
PUMP OUT	3029 TO	PO		
PURGE LINE	3030 TO	PL	VAP	HIGH
RELIEF VENT	3013 TO	RV		
RELIEF VENT	3014 TO	RV	VAP	HIGH
THERMOSYPHON RETURN	3015 TO	TSR	LIQ/VAP	HIGH



Outside Diameter (Including Insulation)	Marker Style (Orange)
<1¼"	A1
1½" - 2"	A2
2¼" - 7⅞"	A3
8" - 10"	A4
>10"	A5

Outside Diameter (Including Insulation)	Marker Style (Yellow)
¾" - 2⅜"	AAL
2½" - 7⅞"	ABL
8" - 10"	ACL
>10"	ADL



MS-995 Curved Carrier CO2 Pipe Markers

These maximum-performance pipe markers are designed for use in harsh environments where chemicals and UV exposure are prevalent, making them an ideal choice for CO2 environments. The curved shape improves durability and helps to reduce direct exposure to sunlight. This strap-on style marker has 2 slotted nylon feet that secure the marker to the pipe. Stainless steel strapping is recommended for mounting. See mounting options on page 62.

- Custom legends available
- Can be removed & reinstalled when insulating or painting
- Consider insulation when selecting size of pipe diameter
- For sizing see chart on page 47

MS-900 Self-Adhesive Component Markers With UV Overlamine

IIAR-Compliant Component Markers include black letters on a yellow or orange background with a high or low-pressure band.

- Available without UV Overlamine for indoor use
- Easy installation with minimal surface preparation
- Recommended sizing is 4" x 8", 4" x 16", and 4" x 32" with 2½" text height
- Custom sizing available



MS-215 Component Markers

IIAR-Compliant Component Markers include black letters on a yellow or orange background with a high or low-pressure band. Available in flexible or rigid material with adhesive or magnetic backing.

- MS-215 material provides excellent resistance to harsh environments
- Can be used on a variety of surfaces including curved
- Recommended sizing is 4" x 8", 4" x 16", and 4" x 32" with 2½" text height
- Custom sizing available



MS-995 Coiled CO2 Pipe Markers

These maximum-performance pipe markers stand up to high heat, harsh chemicals, and direct exposure to sunlight, which makes them an excellent choice for a CO2 environment. The semi-rigid coiled design allows them to be easily installed with no surface preparation, as the marker wraps completely around the pipe and adheres to itself with a sealing strip.

- Custom legends and bands available
- Can be removed and reinstalled when insulating or painting
- Consider insulation when selecting size of pipe diameter
- For sizing see chart on page 47



MS-900 Self-Adhesive CO2 Pipe Markers With UV Overlamine

Ideal for cold storage areas, these markers are made from a premium self-adhesive material that allows them to be easily installed with proper surface preparation. The scored arrow conveniently eliminates the need to determine the direction of flow prior to ordering.

- Available without UV Overlamine for indoor use
- Custom legends, sizes, and bands available
- Consider insulation when selecting size of pipe diameter
- For sizing see chart on page 48



MS-215 Rigid Auxiliary/Principal Door Signs

Auxiliary/Principal Door Signs are placed at all entrances to machinery rooms. These signs are specifically designed to provide a clear hazard warning for employees in food processing plants, mills, and cold storage facilities. Designed with MS-215 rigid material to withstand harsh environments.

- Follow ANSI/IIAR 2-2008 standards (including Addendum A) for the identification of piping, valves, and components
- Can be used indoors/outdoors
- NFPA Diamond standard sizing is 12" x 12"
- Mounting options include adhesive back or 4 corner grommets
- Custom sizes, colors, and legends available



Legend	Part #
3,3,0	65507
3,1,0	65508



Size	Part #
6"x10"	65405
7"x12"	65505



Size	Part #
6"x10"	65402
7"x12"	65502



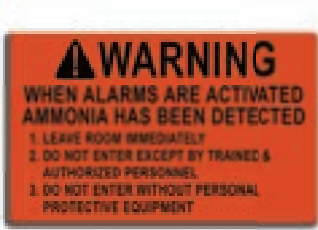
Size	Part #
6"x10"	65403
7"x12"	65503



Size	Part #
6"x10"	65404
7"x12"	65504



Size	Part #
6"x10"	65406
7"x12"	65506



Size	Part #
6"x10"	65401
7"x12"	65501

MS-300 Signs

MS-300 Signs are constructed by subsurface printing on a tough, transparent, thermoplastic material. MS-300 products are suitable for labeling in an FDA compliant environment. They hold up well to radiation and chemical sterilization techniques and are ideal for food & beverage environments.

- Excellent chemical and water resistance
- Can be used in chemical wash down systems (CIP systems)
- Designed for indoor use



MS-215 Rigid Ammonia Wall Charts

These PSM approved Ammonia Wall Charts convey information that appears on ammonia labels used in your facility.

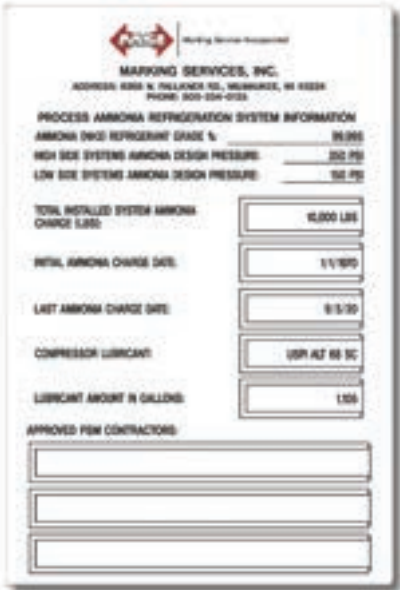
- MS-215 material provides excellent resistance to harsh environments
- Can be used indoors/outdoors
- Orange and yellow options available
- Custom colors, sizes, and legends available



MS-215 Rigid Refrigeration Contractor Signs

PSM approved Contractor Signs are used to convey critical information concerning contractor contact information, chemicals, and other information like design pressures and total system charge in lbs.

- Custom sliders can be requested for frequent text and content changes
- Can be used indoors/outdoors
- MS-215 material provides excellent resistance to harsh environments
- Multiple mounting options available (see page 60)



MS-215 Ammonia Tank & Vessel Signs

These signs are designed to name each tank and vessel. The rigid material is extremely durable and is mounted using our heavy-duty adhesive.

- MS-215 material provides excellent resistance to harsh environments
- Can be used indoors/outdoors
- Multiple mounting options available (see page 60)
- Customizable



MS-215 Rigid Control Bank Signs

MS-215 Rigid Control Bank Signs are used to identify control stations & valve groups within facilities and provide critical information for safe and efficient ammonia system operations.

- MS-215 material provides excellent resistance to harsh environments
- Can be used indoors/outdoors
- Custom colors, sizes, and legends available
- Multiple mounting options available



MS-215 Multi-Port Valve Tags

Use to identify various ports of your multi-port valves. MS-215 Multi-Port Valve Tags provide crucial information regarding inlet, outlet, bypass, drain, and recirculation functions.

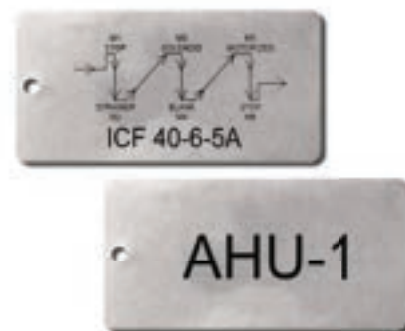
- MS-215 material provides excellent resistance to harsh environments
- Available in both rigid & flexible material
- Can be used indoors/outdoors
- 3, 4, 5, 6, & 7 port layouts available
- Custom colors, sizes, and legends available
- Multiple mounting options available



Stainless Steel Multi-Port Valve Tags

Use to identify various ports of your multi-port valves and provide crucial information regarding inlet, outlet, bypass, drain, and recirculation functions. These tags are designed to withstand frequent wash downs or chemical cleanings, high temperatures, and highly corrosive or caustic environments.

- Black engraved text for visibility & durability
- Can be used indoors/outdoors
- 3, 4, 5, 6, & 7 port layouts available
- Custom sizes and legends available
- Multiple mounting options available



*For additional tagging options, see **page 19**

MARINE & OFFSHORE

1. Pipe Markers

Designed to withstand direct sunlight, saltwater, and chemicals, our premium coiled and carrier pipe markers are the ideal choice for a marine & offshore environment.

2. Safety Boards

Safety Boards provide critical information regarding hazard & equipment identification, operating procedures, and evacuation & escape procedures.

3. Equipment Tags & Signs

Equipment Tags & Signs are an integral part of any safety system that aims to reduce the risk related to spills, accidents, and injuries from improper use within the installation.

4. IMO & Egress Safety Signs

Specifies important safety and operational information to on-board personnel in a direct manner to provide faster user response time. Our IMO & Egress Signs are photoluminescent providing critical information in the event of an emergency where low-light visibility is needed.

Specializing in regulatory compliance solutions for global standards (NORSOK, Mexico NORMS, Brazil NR, etc.), we have established a standardized signage system that communicates effective safety information to people who travel and work on-board ships and other marine installations.

We have the capability to do offshore gap analysis surveys to ensure that your installation is operationally ready.



MS-995 Coiled & Carrier Marine & Offshore Pipe Markers

MS-995 Pipe Markers are maximum performance pipe markers that stand up to high heat, harsh chemicals, and direct exposure to sunlight, which makes them an excellent choice for a marine & offshore environment.

- Specifies content, To/From information, and directional flow
- Color-coded for easy identification
- Construction provides proven protection from effects of direct sunlight
- Negates galvanic corrosion
- Service temperature range from -40° F to 250° F
- Eliminates need for pipe surface preparation
- Can be removed and reinstalled
- High temperature and oversized markers are also available
- 5+ years expected outdoor durability

MS-995 Pre-Coiled Pipe Marker

MS-995 Pre-Coiled Pipe Markers install easily by wrapping completely around pipe and affixing to themselves (not the pipe surface) with a sealing strip. Recommended use on insulated pipes.

MS-995 Carrier Pipe Marker

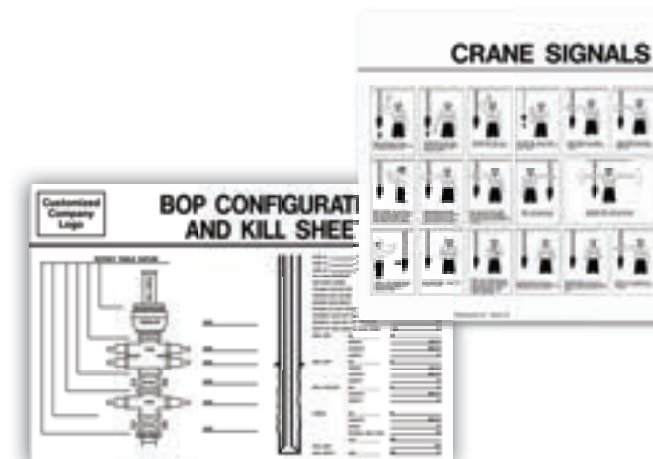
These markers consist of a legend label applied to a durable carrier. Markers are attached to larger diameter pipes using coated stainless steel straps. See mounting options on **page 60**. They are designed for easy installation and high visibility on elevated piping. Recommended for use on uninsulated pipes.



Operation & Instruction Boards

Operation & Instruction Boards are imperative to convey mandatory warning and prohibition messages to ensure safe work practices. Designed with MS-215R, MS-215F, or Aluminum Composite material, they can be magnetic backed, magnetic receptive, or dry erase.

- Custom design and sizing available
- Indoor or outdoor use
- Material can vary
- Custom sizes available
- Dual language sliders/solutions available



Communication Boards

Communication Boards communicate and inform all crew on board of health and safety policies. Designed with MS-215R, MS-215F, or Aluminum Composite material, they can be magnetic backed, magnetic receptive, or dry erase.

- Custom design and sizes available
- Perfect for multi-language sites
- Indoor or outdoor use



Compartment Boards

Compartment Boards are installed at compartment entrances and exist throughout your facility. Use to consolidate pictograms and safety & warning signs. Designed with MS-215R, MS-215F, or Aluminum Composite material, they can be magnetic backed, magnetic receptive, or dry erase.

- Custom design and sizes available
- Perfect for multi-language sites
- Indoor or outdoor use



MS-215 Carrier Equipment Tags

- Excellent outdoor life and chemical resistance
- Available with QR codes
- Designed for easy installation and high visibility
- Curved design is ideal for utilization on curved surfaces
- Custom sizes, colors, and legends available
- See **page 21** for stainless steel, MS-215, and other tag options



MS-215 Rigid & Flexible Equipment Signs

MS-215 Signs can be used in a variety of ways including naming and numbering tanks, vessels, or pieces of equipment.

- Excellent outdoor life and chemical resistance
- Available with QR codes
- Multiple mounting options available including adhesive, grommets, or strapping
- Custom sizes, colors, and legends available



Regulatory Signs

These durable Regulatory Signs are perfect for multi-language sites and are for security purposes on offshore facilities. Designed with MS-215R, MS-215F, or Aluminum Composite material, they can be magnetic backed, magnetic receptive, or dry erase.

- Custom design and sizes available
- Indoor/outdoor use



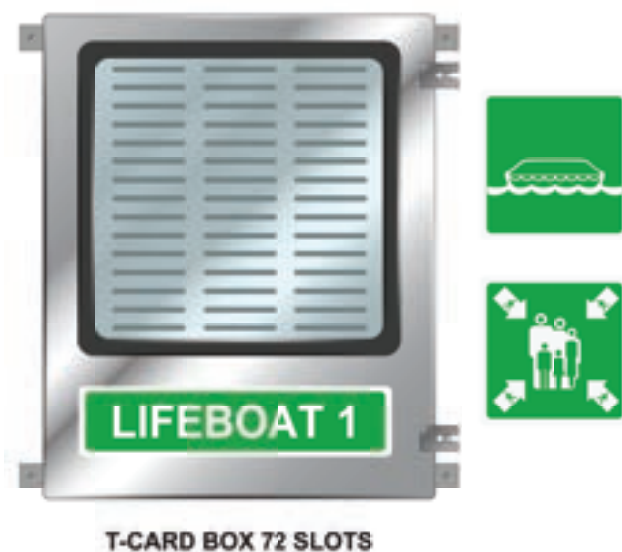
IMO Signs - Fire Control Equipment Signs

Use to identify fire control equipment onboard ships and as part of the IMO Required Fire Plan these signs will clearly identify fire control equipment in the event of a total loss of light. Available in outdoor grade MS-215 Rigid Photoluminescent or MS-960 Self-Adhesive Photoluminescent Material.

- MS-215 material provides excellent outdoor life and chemical resistance
- Comply with IMO/SOLAS requirements
- Contact us for more Fire Control Equipment Sign options

Stainless Steel T-Card Box with Muster Board

Located at lifeboat & raft muster stations. These signs are designed to provide assembly points and designate personnel to muster in case of an emergency.



International Safety - Firefighting Signs

Use to identify firefighting equipment, these signs quickly convey crucial information on multi-language sites. Available in outdoor grade MS-215 Rigid Photoluminescent or MS-960 Self-Adhesive Photoluminescent Material.

- MS-215 material provides excellent outdoor life and chemical resistance
- Contact us for more Fire Fighting Sign options



International Safety - Mandatory Pictograms

Use to provide mandatory PPE information to staff and visitors on multi-language sites. Available in outdoor grade MS-215 Rigid Photoluminescent or MS-960 Self-Adhesive Photoluminescent Material.

- MS-215 material provides excellent outdoor life and chemical resistance
- Contact us for more Mandatory Pictogram options



Contact us to learn more
about our full IMO &
egress sign offerings



IMO Signs - Evacuation & Escape

Use to identify essential evacuation and escape routes. Available in outdoor grade MS-215 Rigid Photoluminescent or MS-960 Self-Adhesive Photoluminescent Material.

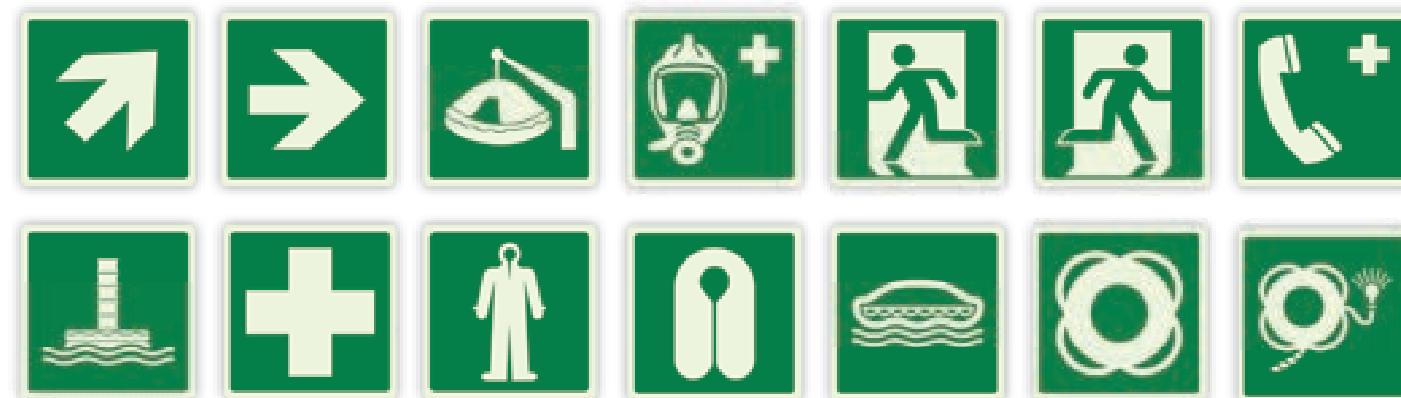
- MS-215 material provides excellent outdoor life and chemical resistance
- Comply with IMO/SOLAS requirements
- Contact us for more Evacuation & Escape Sign options



International Safety - Safe Condition Signs

Safe Condition Signs are used to show locations for safety equipment, eye wash stations, and safety showers. Available in outdoor grade MS-215 Rigid Photoluminescent or MS-960 Self-Adhesive Photoluminescent Material.

- MS-215 material provides excellent outdoor life and chemical resistance
- Contact us for more Safe Condition Sign options



Mounting Options

Our tag & sign mounting options are designed for a variety of our identification products. These user-friendly, durable products ensure your label stays securely in place.



Shop mounting options

Stainless Steel Swage Sleeves

Stainless Steel Swag Sleeves come in type 316 stainless steel making them a durable mounting option.

- Part #15746
- 100 per bag
- Use with Stainless Steel Braided Wire Coil part #15747



Lead Meter Seals

Available in copper or stainless steel wire, Lead Meter Seals are a fast and permanent way to attach valve tags.

- Supplied in 10" lengths
- 100 lengths per pack
- Stainless steel part #15797



Stainless Steel Braided Wire

Type 316 Stainless Steel Braided Wire for fastening labels.

- Part #15747
- Supplied in 100 ft. rolls
- Use Stainless Steel Swage Sleeves for fastening part #15746



Stainless Steel Mounting Brackets

Used with stainless steel banding to mount signs or pipe markers onto piping or tanks.

- Hardware included



Stainless Steel Braided Wire With Swage Sleeve

Stainless steel type 316 braided wire/crimp combination with pre-attached crimp.

- Part #15750
- Crimps to itself
- 10" long



Valve Chart Frame

Aluminum valve chart frames for holding 8½" x 11" valve charts.

- Plastic or glass lens available
- Plastic Lens part #15790
- Glass Lens part #15791



Zinc Snap Hook Fasteners

These fasteners are an easy way to open and close snap hooks, used for installing valve tags.

- Part #15798
- 100 per box



Construction Adhesive

Heavy duty adhesive that fits most caulk guns.

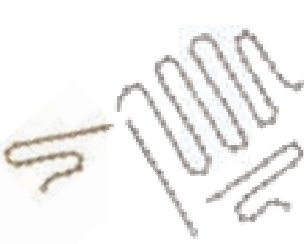
- Part #15769
- Comes in a 10.2 oz tube



Brass & Stainless Steel Jack Chain

Available in brass or stainless steel, these durable jack chains are designed for fastening tags.

- Brass part #15760
- Stainless Steel part #15761
- Packed 50 ft. per box to hang approximately 60 tags



Nylon Cable Ties

Nylon Cable Ties are a simple quick way to attach pipe markers, signs, and valve & equipment tags.

- Supplied in standard 8" lengths
- 36" and 48" lengths available for use with MS-970 Pipe Markers
- 100 ties per bag



Brass & Stainless Steel Bead Chain

Available in brass or stainless steel, bead chains are designed for fastening tags.

- Brass part #15765
- Stainless Steel part #15766
- Comes in 4½" lengths including locking link
- 100 lengths per bag



Brass & Stainless Steel "S" Hooks

Available in brass or stainless steel, these sturdy and easy to close hooks are for attaching valve tags.

- Brass part #15770
- Stainless Steel part #15767
- 100 hooks per bag



Strapping

Our strapping options are designed for a variety of our identification products. These durable products are crafted with high-quality materials and are built to withstand demanding environments.

Pre-Cut Stainless Steel Strapping

Cut-to-length stainless steel straps are durable and ideal for highly corrosive or other harsh environments. These straps come with attached locking head, no clips required.

- 1/4" wide straps
- Use with locking tool part #15715



Part #	Pipe Diameter	Size
15704	Up to 2 1/2"	10"
15707	3" - 4 3/4"	16.5"
15710	5" - 8"	35"
15711	9"-12"	47"
15712	13" - 18"	60"

Pre-Cut Coated Stainless Steel Strapping

Coated 1/4" wide stainless steel strapping with attached clips are designed for harsh environments where protection against potential galvanic reaction between dissimilar metals is required.

- Cut-to-length
- Use with carrier style markers
- Use with locking tool part #15716

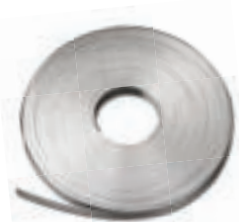


Part #	Pipe Diameter	Size
15703	Up to 2 1/2"	16"
15700	3" - 4 3/4"	24"
15701	5" - 8"	33"
157014	9"-12"	46"
157016	13" - 18"	65"

Coil of Strapping

Coil of Strapping is made from durable 3/8" wide stainless steel. Ideal for corrosive or other harsh environments.

- 200 ft. coil of 3/8" wide stainless steel
- Part #15729
- Locking Clip part #15734 and Locking Tool part #15716 available for ease of installation
- Use for attaching carrier pipe markers



Coated Coil of Strapping

Coated Stainless Steel Strapping is used for attaching carrier pipe markers and is ideal for corrosive or other harsh environments.

- 100 ft. coil of 1/4" wide stainless steel
- Part #15727
- Locking Clip part #15728 and Locking Tool part #15716 available for installation



Locking Clips for Strap

These stainless steel locking clips are designed to be used with coiled strapping.

- Packaged 100 per bag
- 3/8" size for uncoated strap use part #15734
- 1/4" size for coated strap use part #15728



Tools

These variety of tools are designed to make labeling installation an efficient, easy process. When used with our mounting and/or strapping products you can be assured your labels will be installed correctly and remain intact.

Sealing Press

Sealing Press is designed for sealing lead meter seals.

- Part #15796
- For use with lead meter seals (part #15797 or part #15795)



Crimp Tool

This Crimp Tool can be used during the installation of many markers, tags, and signs to crimp 10" wire crimp combo.

- Part #15749
- Use with Wire Crimp Combo part #15750 and part #15747 wire with part #15746 crimp (swag sleeve)



Cable Wire Cutter

Use to cut wire during the installation of markers, tags, and signs.

- Part #15748



Locking Tool for Coil Strap

Use to tighten and lock stainless steel banding during installation.

- Part #15716



Locking Tool for Coil Strap

Use to tighten and lock pre-cut stainless steel banding during installation.

- Part #15715





Marking Services Canada Ltd.

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