

SECTION: _____

 PART: _____



PRODUCT SUBMITTAL DATA

Self-Stick IIAR Ammonia System Reference Chart

AMMONIA REFRIGERATION IDENTIFICATION REFERENCE CHART

TSR LIQ VAP AMMONIA HIGH →

[A] [B] [C] [D] [E]

IIAR APPROVED ABBREVIATIONS			
SYSTEM	ABBREVIATION	SYSTEM	ABBREVIATION
BOOSTER DISCHARGE	BD	LIQUID TRANSFER	LT
BOOSTER SUCTION	BS	LOW STAGE SUCTION	LSL
CONDENSER DRAIN	CD	LOW STAGE SUCTION	LSS
DEFROST CONDENSATE	DC	LOW TEMPERATURE RECIRCULATED LIQUID	LTL
ECONOMIZER SUCTION	ES	LOW TEMPERATURE RECIRCULATED SUCTION	LTR
EQUALIZER	EQ	LOW TEMPERATURE SUCTION	LTS
FOUL GAS	FG	MEDIUM TEMPERATURE RECIRCULATED LIQUID	MTR
HIGH PRESSURE LIQUID	HPL	MEDIUM TEMPERATURE RECIRCULATED SUCTION	MTR
HIGH STAGE DISCHARGE	HSD	MEDIUM TEMPERATURE SUCTION	MTS
HIGH STAGE SUCTION	HSS	Oil Drain	OD
HIGH TEMPERATURE RECIRCULATED LIQUID	HTL	PUMP OUT	PO
HIGH TEMPERATURE RECIRCULATED SUCTION	HTS	PURGE	PUR
HIGH TEMPERATURE SUCTION	HTS	PURGE LINE	PL
NOF GAS	NS	RELIEF VENT	RV
NOF GAS DEFROST	NSD	RELIEF VENT	RV
INTERMEDIATE PRESSURE LIQUID	IPL	THERMOPTON RETURN	TR
LIQUID DRAIN	LD	THERMOPTON SUPPLY	TS
LIQUID INJECTION COOLING	LIC	THERMOPTON VENT	TV

A **PHYSICAL STATE** The Physical State of Ammonia is either liquid or vapor. This band indicates by color and abbreviation the physical state. The physical state of refrigerant shall be indicated by the words LIQUID, UNDESIGNATED LIQUID, or VAPOR, UNDESIGNATED VAPOR. If the refrigerant is in the liquid state, LIQ shall be printed on a YELLOW band. If the refrigerant is in the vapor state, VAP shall be printed on a SKY BLUE band. Ammonia may be present in both states, and in that case shall have both color bands and abbreviations present.

C **MARKER BODY** The word AMMONIA shall be printed in black letters on the ORANGE body.

D **PRESSURE LEVEL** The pressure level in the system piping shall be labeled either HIGH or LOW. Pressure in excess of 70 PSIG will be considered high pressure with the HIGH printed on a RED band. Pressure equal to or less than 70 PSIG will be considered to be low pressure with the word LOW printed on a GREEN band.

E **DIRECTIONAL ARROW** The directional arrow shall be black in color and positioned to the right of the marker. The arrow shall be used to indicate flow in either direction.

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A reference chart that fully explains the ammonia refrigeration piping and component identification markers, including abbreviation, should be placed in areas that are conspicuous to operating and repair personnel. Regardless of piping color scheme selected, a legend or key to the meaning of the colors should be posted in a conspicuous place. The reference chart, legend, or key should be made of durable material that will remain legible. Replace anytime damage occurs or information is no longer legible.



- Indoor/outdoor construction of 4mil vinyl, UV printing & crystal-clear overlamination.
- Sheds UV, moisture, elements.
- 12"x16"
- Self adhesive backing. Aggressive acrylic adhesive sticks to most surfaces.
- 5-7 years outdoor life.

CHARTS ALSO AVAILABLE
 IN ORANGE OR YELLOW
 CONFIGURATIONS

DATE: ___ / ___ / ___ JOB: _____

CONTRACTOR: _____