

SECTION: _____

 PART: _____



PRODUCT SUBMITTAL DATA

Fiberglass IAR Ammonia System Reference Chart

AMMONIA REFRIGERATION IDENTIFICATION REFERENCE CHART

TSR
LIQ
VAP
HIGH
AMMONIA
➔

A
B
C
D
E

IAR APPROVED ABBREVIATIONS			
SYSTEM	ABB.	SYSTEM	ABB.
BOOSTER DISCHARGE	BD	LIQUID TRANSFER	LT
BOOSTER SUCTION	BS	LOW STAGE SUCTION	LSL
CONDENSER DRAIN	CD	LOW STAGE SUCTION	LSL
DEFROST CONDENSATE	DC	LOW TEMPERATURE RECIRCULATED LIQUID	LTRL
ECONOMIZER SUCTION	ES	LOW TEMPERATURE RECIRCULATED SUCTION	LTRS
EQUALIZER	EQ	LOW TEMPERATURE SUCTION	LTS
FOUL GAS	FG	MEDIUM TEMPERATURE RECIRCULATED LIQUID	MTRL
HIGH PRESSURE LIQUID	HPL	MEDIUM TEMPERATURE RECIRCULATED SUCTION	MTRS
HIGH STAGE DISCHARGE	HSD	MEDIUM TEMPERATURE SUCTION	MTS
HIGH STAGE SUCTION	HSS	OIL DRAIN	OD
HIGH TEMPERATURE RECIRCULATED LIQUID	HTRL	PUMP OUT	PO
HIGH TEMPERATURE RECIRCULATED SUCTION	HTRS	PIPING	PI
HIGH TEMPERATURE SUCTION	HTS	PIPING LINE	PL
HOT GAS	HG	RELIEF VENT	RV
HOT GAS DEFROST	HGD	RELIEF VENT	RV
INTERMEDIATE PRESSURE LIQUID	IPL	THERMOPHON RETURN	TSR
LIQUID DRAIN	LD	THERMOPHON SUPPLY	TSB
LIQUID INJECTION COOLING	LIC	THERMOPHON VENT	TSV

A **PHYSICAL STATE** The Physical State of Ammonia is either liquid or vapor. This state is indicated by color and abbreviation the physical state. The physical state of refrigerant shall be indicated by the words LIQUID, abbreviated LIQ, or VAPOR, abbreviated VAP. 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.

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

C **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.

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

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 placed 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.



- Thick, durable .090” fiberglass with clear polyester overlamination sheds UV, moisture & elements.
- Protected graphics.
- 12”x16”
- Supplied with 4 corner mounting holes.
- 5-8 year outdoor life.
- Holds up to washdowns.

CHARTS ALSO AVAILABLE
 IN ORANGE OR YELLOW
 CONFIGURATIONS

DATE: ___ / ___ / ___ JOB: _____

CONTRACTOR: _____