

SECTION: _____

 PART: _____



PRODUCT SUBMITTAL DATA

Aluminum IIAR Ammonia System Reference Chart

AMMONIA REFRIGERATION IDENTIFICATION REFERENCE CHART

TSR L V **AMMONIA** H G →

A **B** **C** **D** **E**

| IIAR APPROVED ABBREVIATIONS | | | |
|---------------------------------------|--------------|---|--------------|
| SYSTEM | ABBREVIATION | SYSTEM | ABBREVIATION |
| BOOSTER DISCHARGE | B/D | LIQUID TRANSFER | L/T |
| BOOSTER SUCTION | B/S | LOW STAGE SUCTION | L/S |
| CONDENSER DRAIN | C/D | LOW STAGE SUCTION | L/S |
| DEFROST CONDENSATE | D/C | LOW TEMPERATURE RECIRCULATED LIQUID | LTR/L |
| ECONOMIZER SUCTION | E/S | LOW TEMPERATURE RECIRCULATED SUCTION | LTR/S |
| EQUALIZER | E/Q | LOW TEMPERATURE SUCTION | LTS |
| FOUL GAS | F/G | MEDIUM TEMPERATURE RECIRCULATED LIQUID | MTR/L |
| HIGH PRESSURE LIQUID | H/P/L | MEDIUM TEMPERATURE RECIRCULATED SUCTION | MTR/S |
| HIGH STAGE DISCHARGE | H/S/D | MEDIUM TEMPERATURE SUCTION | MTS |
| HIGH STAGE SUCTION | H/S | OIL DRAIN | O/D |
| HIGH TEMPERATURE RECIRCULATED LIQUID | HTR/L | PUMP OUT | P/O |
| HIGH TEMPERATURE RECIRCULATED SUCTION | HTR/S | PURGE | P |
| HIGH TEMPERATURE SUCTION | HTS | PURGE LINE | PL |
| NOF GAS | N/G | RELIEF VENT | R/V |
| NOF GAS DEFROST | N/G/D | RELIEF VENT | R/V |
| INTERMEDIATE PRESSURE LIQUID | I/P/L | THERMOPTON RETURN | T/R |
| LIQUID DRAIN | L/D | THERMOPTON SUPPLY | T/S |
| LIQUID INJECTION COOLING | L/I/C | THERMOPTON VENT | T/V |

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, L/D 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 in line to 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.



- Sturdy .040: prepainted white aluminum with a crystal clear overlamination.
- Sheds UV, moisture & elements.
- 12"x16"
- Supplied with 4 corner mounting holes.
- 5-7 year outdoor life.
- Holds up to washdowns.

**CHARTS ALSO AVAILABLE
 IN ORANGE OR YELLOW
 CONFIGURATIONS**

DATE: ___ / ___ / ___ JOB: _____

CONTRACTOR: _____