

PRODUCT DATA SHEET

IIAR Ammonia Pipe Marker Reference Guide

Summary of IIAR Standard

The purpose of this standard, developed by the International Institute for Ammonia Refrigeration (IIAR) is to create a uniform system for identification of ammonia refrigeration piping and system components.

The pipe marker should have five sections:

1. Ammonia System Identification

Wording "AMMONIA" in black letters on an orange background.

Physical State – The physical state of the refrigerant located to the left of "AMMONIA":

a. If Liquid – Wording "LIQ" – in black letters on an yellow background

- b. If Vapor Wording "VAP" in black letters on a blue background
- c. If Both Wording "LIQ" "VAP" both printed in the colors designated above

4. Ammonia System Abbreviations

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- 3. Pressure Rating The pressure level of the refrigerant located to the right of "AMMONIA":
 - a. If High Pressure Wording "HIGH" in black letters on a red background b. If Low Pressure – Wording "LOW" - in black letters on a green background



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Abbreviation	System	Abbreviation	System	Abbreviation	System
BD	Booster Discharge	HG	Hot Gas*	MTS	Medium Temperature Suction
BS	Booster Suction	HGD	Hot Gas Defrost	OD	Oil Drain
CD	Condenser Drain	IPL	Intermediate Pressure Liquid	РО	Pump Out
DC	Defrost Condensate*	LD	Liquid Drain*	PRG	Purge*
ES	Economizer Suction	LIC	Liquid Injection Cooling	RV	Relief Vent
EQ	Equalizer*	LT	Liquid Transfer*	SCL	Sub-Cooled Liquid
FG	Foul Gas*	LSS	Low Stage Suction	TSR	Thermosyphon Return
HPL	High Pressure Liquid	LTL	Low Temperature Liquid	TSS	Thermosyphon Supply
HSD	High Stage Disharge	LTRL	Low Temperature Recirculated Liquid	TSV	Thermosyphon Vent
HSS	High Stage Suction	LTRS	Low Temperature Recirculated Suction		
HTRL	High Temperature Recirculated Liquid	LTS	Low Temperature Suction	*These piping descriptions are NOT included in the IIAR standard	
HTRS	High Temperature Recirculated Suction	MTRL	Medium Temperature Recirculated Liquid		
HTS	High Temperature Suction	MTRS	Medium Temperature Recirculated Suction		

5. Directional Flow Arrows – To indicate ammonia refrigerant flow direction, directional arrows are illustrated on the pipe marker. 2 of Seton's 3 ammonia pipe marking options, Setmark[®] and Ultra-Mark[®] ammonia pipe markers, come with directional arrows on the marker. The Opti-Code[™] version does not include arrows. We recommend Arrows-On-A-Roll tape as an option.

Date:	/	/	Job:	
Contractor				