

## IIAR Ammonia Pipe Marker Reference Guide

IIAR-Compliant Ammonia Pipe Markers helps identify specific chemicals in pipes to prevent accidents and confusion

- Seton Pipe labels conform to the specifications of Ammonia Refrigeration and Piping System Components, Bulletin 114 which promote uniform identification of piping systems
- Self-adhesive, Snap and Strap-Around styles available depending on the pipe's outside diameter, strap-around pipe markers come with nylon ties

### Pipe Markers

The pipe marker should have five sections:

#### 1. Ammonia System Identification

Wording "AMMONIA" in black letters on a yellow background

#### 2. Physical State

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

- If Liquid – Wording "LIQ" – in black or white letters on an orange background
- If Vapor – Wording "VAP" – in black or white letters on a sky blue background
- If Both – Wording "LIQ" "VAP" - both printed in the colors designated above

#### 3. Pressure Rating

The pressure level of the refrigerant located to the right of "AMMONIA":

- If High Pressure – Wording "HIGH" – in black or white letters on a red background
- If Low Pressure – Wording "LOW" - in black or white letters on a green background

#### 4. Ammonia System Abbreviations

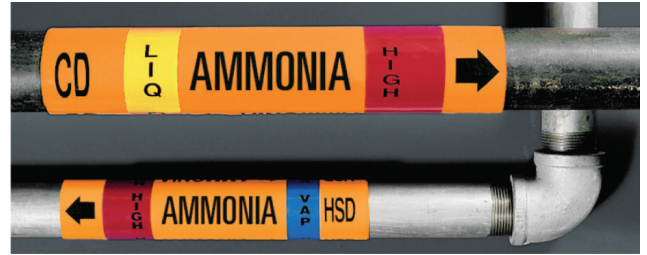
ABBREVIATION	SYSTEM	ABBREVIATION	SYSTEM
BD	Booster Discharge	HTRS	High Temperature Recirculated Suction
CD	Condenser Drain	LIC	Liquid Injection Cooling
DC	Defrost Condensate	LSS	Low Stage Suction
ES	Economizer Suction	LTRL	Low Temperature Recirculated Liquid
EQ*	Equalizer	LTRS	Low Temperature Recirculated Suction
HG	Hot Gas	PO*	Pump Out
HGD	Hot Gas Defrost	PU*	Purge
HPL	High Pressure Liquid	RV	Relief Vent
HSD	High Stage Discharge	TSR	Thermosyphon Return
HSS	High Stage	TSS	Thermosyphon Supply
HTRL	High Temperature Recirculated Liquid		

#### 5. Directional Flow Arrows

To indicate ammonia refrigerant flow direction, directional arrows are illustrated on the pipe marker.

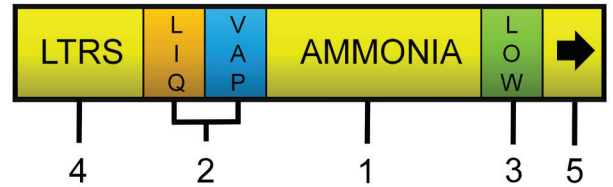
2 of Seton's 3 ammonia pipe marking options, Setmark® and Ultra-Mark® ammonia pipe markers, come with directional arrows on the marker.

The Opti-Code™ version does not include arrows, thus making Seton's Arrows-On-A-Roll tape a great accessory.



### Summary of IIAR Standard

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



Date: \_\_\_ / \_\_\_ / \_\_\_ Job: \_\_\_\_\_

Contractor: \_\_\_\_\_