

IIAR Pipe Markers

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Did You Know? IIAR Pipe Markers - Ammonia Refrigeration Pipe Markers

The International Institute of Ammonia Refrigeration (IIAR) standardized ammonia pipe labeling when it published its bulletin #114, "Guidelines for Identification of Ammonia Refrigeration Piping and System Components."

Brady offers a variety of ammonia pipe markers that comply with the IIAR's established guidelines, including self-adhesive markers, snap-around marker styles, and pipe markers recommended for harsh environments (both indoors and outside).

IIAR Pipe Marker should have the following sections:



Directional Arrows

Use arrow tape to indicate flow direction

Ammonia Piping Abbreviation

*See below

Physical State
the physical state of the refrigerant located to the left of "Ammonia":

If Liquid – "LIQ"
black or white on orange background

If Vapor – "VAP"
black or white on sky blue background

If Both – "LIQ" "VAP"
both printed in colors above

Marker Body
"Ammonia" - black letters on yellow background

Pressure Level
the pressure level of the refrigerant located to the right of "Ammonia":

If High – "HIGH"
black or white on red background

If Low – "LOW"
black or white on green background

If Both – "LIQ" "VAP"
both printed in colors above

Directional Arrows
Use arrow tape to indicate flow direction

Ammonia Piping Abbreviations:

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

*Not currently covered in the IIAR standard

