

**MID-STATES
MECHANICAL
SERVICES, INC.**

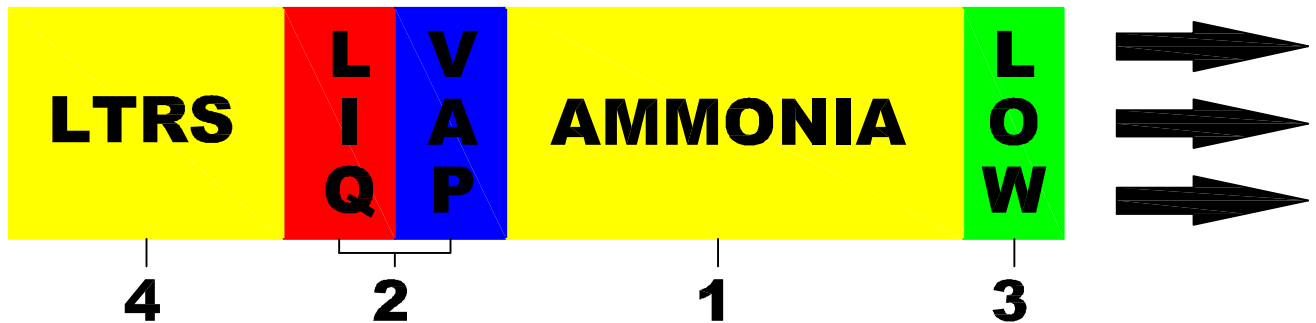
55121 211th Lane
Mankato, MN. 56001
800-950-0279
Ph. 507-388-1572
Fax. 507-388-6661

102 Saginaw Road
Joplin, MO. 64804
877-881-6611
Ph. 417-781-6611
Fax. 417-781-6612

IIAR PIPE MARKING SYSTEM REGULATION

Pipe markers should have Four sections plus arrows.

- 1. Marker Body** - "AMMONIA" - Black letters on yellow background.
- 2. Physical Status** The physical state of the refrigerant located to the left of "Ammonia"
 - a. If liquid - "LIQ." - Black on white or orange background.
 - b. If vapor - "VAP." Black or white on sky blue background.
 - c. If both - "LIQ." "VAP." Both printed on colors above.
- 3. Pressure level** - The pressure level of the refrigerant located to the right of "Ammonia"
 - a. If High pressure - "HIGH" Black or white on red background.
 - b. If Low pressure - "LOW" Black on white or green background.



4. Ammonia piping abbreviation

ABBREVIATION

BD
CD
DC
EQ
ES
HGD
HPL
HSD
HSS
HTS
HTRL
HTRS
LTRL
LTS
LTRS
LIC
LSS
PO
PU
RV
TSR
TSS

SYSTEM

Booster discharge
Condenser
Defrost condensate
Equilizer
Economizer suction
Hot Gas Defrost
High Pressure Liquid
High Stage Discharge
High Stage Suction
High Temperature Suction
High Temperature recirculation Liquid.
High Temperature recirculation Suction.
Low Temperature recirculation Liquid.
Low Temperature Suction
Low Temperature recirculation suction
Liquid injection Cooling
Low Stage Suction
Pump out
Purge
Relief vent
Thermosyphon Return
Thermosyphon Supply

Directional Arrows can be separate using tape of individual arrows.