

AMMONIA PIPE MARKERS

EZ Pipe Markers

ADVANTAGES

- Markers Comply with IIAR Recommended Guidelines Bulletin #114
- Markers Are Sold Individually & Include One Directional Arrow
- Apply To Clean, Dry Surface.
- Minimum Temp Of 50° F When Applied.
- Aggressive Adhesive Will Stick To Most Clean & Dry Surfaces



EZ Ammonia Markers

These markers are industrial strength vinyl labels designed to function at a service temperature of 150° F or less. Aggressive acrylic adhesive with an extra heavy coating ensures adhesion to a variety of pipe surfaces. Each marker is supplied with an arrow that can be applied in any direction.

EZ Ammonia Marker Size Selection

| Size * | AN-1 | AN-2 | AN-3 | AN-4 |
|---------------------|-------------|--------------|-------------|-------------|
| Pipe O.D. | 3/4" to 2" | 2-1/2" to 6" | 7" to 10" | Over 10" |
| Marker Size WxH | 10 x 1-1/2" | 15 x 2-1/2" | 27 x 3-1/2" | 32 x 4-1/2" |
| Letter Size | 3/4" | 1-1/4" | 2-1/2" | 3-1/2" |
| Marker Illustration | | | | |

* Size Selection SHOULD include insulation thickness

Stock EZ Markers Pricing

| Size | Pipe O.D. | 1 - 49 | 50 - 99 | 100+ |
|------|--------------|--------|---------|------|
| AN-1 | 3/4" to 2" | 3.75 | 3.55 | 3.30 |
| AN-2 | 2-1/2" to 6" | 4.80 | 4.55 | 4.35 |
| AN-3 | 7" to 10" | 6.20 | 5.90 | 5.60 |
| AN-4 | Over 10" | 8.00 | 7.60 | 7.20 |

To Order Stock EZ Markers:

Specify marker size, part number (see table on page 38) and quantity. **Example: AN-1-14 = HG (Hot Gas) Size 1.** OK to combine stock markers for best price.

System #1 Wrap Around

Ammonia System #1 Pipe Markers™ are made using durable outdoor grade vinyl. Marker sizes RA to RE wrap completely around pipes up to 6" O.D. For pipes larger than 6" O.D. use strap on pipe markers, sizes RF, RG or RH.

ADVANTAGES



- No Pipe Preparation
- Speed of Installation
- 360° Visibility (up to 6" O.D.)
- Free Nylon Ties (2) Provided For Sizes F, G & H. See Page 30 For Extra Ties.
- Arrows Included On Each Marker
- Service Temp Range -40° To 160° F (-40° to 71° C)
- **Marker Size Selection Must Be Based On Pipe O.D. Including Insulation, If Applicable.**
- Markers Are Sold Individually



Stock Ammonia System #1 Pricing

| Size | Pipe O.D. | 1-9 | 10-24 | 25+ |
|------|------------------|-------|-------|-------|
| RA | 3/4" to 1" | 4.95 | 4.80 | 4.65 |
| RB | 1-1/8" to 2-3/8" | 6.95 | 6.60 | 6.25 |
| RC | 2-1/2" to 3-1/4" | 11.30 | 9.60 | 8.95 |
| RD | 3-3/8" to 4-1/2" | 14.25 | 13.10 | 12.05 |
| RE | 4-5/8" to 6" | 15.80 | 14.50 | 13.35 |
| RF | 6-1/8" to 7-7/8" | 15.20 | 13.35 | 11.75 |
| RG | 8" to 10" | 20.05 | 18.25 | 16.60 |
| RH | Over 10" | 22.30 | 21.20 | 18.65 |

To Order Ammonia Stock System #1: Specify marker size and legend code. See legend part number on page 38, column 1. **Example: RC-14 = HOT GAS Size C.**

OK to combine stock markers for best price.

Marker Size Selection

| Size * | RA | RB | RC | RD | RE | RF | RG | RH |
|---------------------|------------|------------------|------------------|------------------|--------------|------------------|-----------|----------|
| Pipe O.D. | 3/4" to 1" | 1-1/8" to 2-3/8" | 2-1/2" to 3-1/4" | 3-3/8" to 4-1/2" | 4-5/8" to 6" | 6-1/8" to 7-7/8" | 8" to 10" | Over 10" |
| Marker Length | 8" | 8" | 12" | 12" | 12" | 12" | 24" | 32" |
| Letter Size | 1/2" | 3/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 2-1/2" | 3-1/2" |
| Marker Illustration | | | | | | | | |

AMMONIA PIPE MARKERS

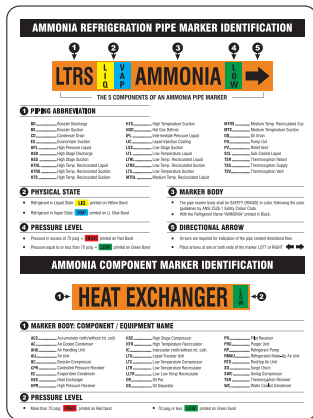
Component Markers & Reference Chart



Ammonia Legends & Part Numbers

| PART # | LEGEND | ABBRV. | STATE | PRESS. | PART # | LEGEND | ABBRV. | STATE | PRESS. |
|--------|--------------------------|--------|---------|--------|---|--------------------------|--------|---------|--------|
| 1 | BOOSTER DISCHARGE | BD | VAP | LOW | 38† | LOW LOW TEMP. LIQUID | LLTL | LIQ | LOW |
| 2 | BOOSTER SUCTION | BS | VAP | LOW | 23 | LOW TEMP. RECIRC. LIQ. | LTRL | LIQ | LOW |
| 3 | CONDENSER DRAIN | CD | LIQ | HIGH | 39† | LOW LOW TEMP. REC. LIQ. | LLTRL | LIQ | LOW |
| 4* | DEFROST CONDENSATE | DC | LIQ VAP | HIGH | 24 | LOW TEMP. RECIRC. SUCT. | LTRS | LIQ VAP | LOW |
| 5 | ECONOMIZER SUCTION | ES | VAP | LOW | 40† | LOW LOW TEMP. REC. SUCT. | LLTRS | LIQ VAP | LOW |
| 6* | EQUALIZER | EQ | VAP | HIGH | 25 | LOW TEMP. SUCTION | LTS | VAP | LOW |
| 7* | FOUL GAS | FG | VAP | HIGH | 26 | MED. TEMP. RECIRC. LIQ. | MTRL | LIQ | LOW |
| 8 | HIGH PRESSURE LIQUID | HPL | LIQ | HIGH | 27 | MED. TEMP. RECIRC. SUC. | MTRS | LIQ VAP | LOW |
| 9 | HIGH STAGE DISCHARGE | HSD | VAP | HIGH | 28 | MED. TEMP. SUCTION | MTS | VAP | LOW |
| 10 | HIGH STAGE SUCTION | HSS | VAP | LOW | 29 | OIL DRAIN | OD | --- | --- |
| 11 | HIGH TEMP. RECIRC. LIQ. | HTRL | LIQ | LOW | 30 | PUMP OUT | PO | LIQ VAP | LOW |
| 12 | HIGH TEMP. RECIRC. SUCT. | HTRS | LIQ VAP | LOW | 32 | RELIEF VENT | RV | VAP | HIGH |
| 13 | HIGH TEMP. SUCTION | HTS | VAP | LOW | 33* | RELIEF VENT | RV | --- | --- |
| 14* | HOT GAS | HG | VAP | HIGH | 34 | SUB-COOLED LIQUID | SCL | LIQ | HIGH |
| 15 | HOT GAS DEFROST | HGD | VAP | HIGH | 35 | THERMOSYPHON RETURN | TSR | LIQ VAP | HIGH |
| 16 | INTERMEDIATE PRESS. LIQ. | IPL | LIQ | HIGH | 36 | THERMOSYPHON SUPPLY | TSS | LIQ | HIGH |
| 18 | LIQUID INJECTION COOL | LIC | LIQ | HIGH | 37 | THERMOSYPHON VENT | TSV | VAP | HIGH |
| 21 | LOW STAGE SUCTION | LSS | VAP | LOW | * These piping descriptions are not included in Bulletin No. 114-2019 | | | | |
| 22 | LOW TEMP. LIQUID | LTL | LIQ | LOW | † New piping abbreviations included in Bulletin No. 114-2019 | | | | |

Reference Chart



IIAR Bulletin No. 114 2019:

A reference chart that fully explains the ammonia refrigeration piping and component identification markers, including approved abbreviations, should be placed in areas of easy access to your personnel. Our Ammonia reference chart measures 12 x 16" and is available in .055 thick white semi-rigid plastic.

Stock Pricing

| PART # | Size | 1 | 10 | 25+ |
|--------|----------|-------|-------|-------|
| AMC-2 | 12 x 16" | 26.75 | 22.75 | 19.35 |

To Order Charts:

Specify part number and quantity.

EZ Component Markers



IIAR Bulletin No. 114 2019:

Component markers should bear the name of the equipment they identify. Component markers should have Black letters on a Safety Orange label. These markers are industrial strength vinyl labels designed to function at a service temperatures of 150° F or less. Markers will stick to a variety of insulated surfaces. Markers require a clean, dry surface and a minimum temp of 50° F when applied.

Stock Component Marker Pricing

| Size W x H | 1-49 | 50-99 | 100+ |
|-------------|------|-------|------|
| 24 x 3-1/2" | 7.20 | 5.90 | 5.75 |

To Order Stock Markers:

Specify part number and quantity.

Custom Component Marker Pricing

| Size W x H | 1-4 | 5-9 | 10+ |
|-------------|-------|-------|-------|
| 24 x 3-1/2" | 24.20 | 20.60 | 18.50 |

To Order Custom: Specify product code ACM, wording, pressure rating (high or low), and quantity.

| PART # | LEGEND | PRESS. |
|--------|-------------------|--------|
| CA-1 | ACCUMULATOR | LOW |
| CA-2 | COMPRESSOR | HIGH |
| CA-14 | COMPRESSOR | LOW |
| CA-3 | CONDENSER | HIGH |
| CA-15 | CONDENSER | LOW |
| CA-16 | CONDENSER | ---- |
| CA-4 | EVAPORATOR | HIGH |
| CA-17 | EVAPORATOR | ---- |
| CA-5 | HEAT EXCHANGER | LOW |
| CA-6 | INTERCOOLER | LOW |
| CA-7 | LIQ TRANSFER UNIT | HIGH |
| CA-8 | OIL SEPARATOR | HIGH |
| CA-18 | OIL SEPARATOR | ---- |
| CA-10 | PURGER UNIT | HIGH |
| CA-11 | RECEIVER | HIGH |
| CA-19 | RECEIVER | LOW |
| CA-12 | RECIRCULATOR | LOW |
| CA-20 | RECIRCULATOR | ---- |
| CA-21 | REFRIGERANT PUMP | ---- |