

Job Name/Location:

Tag #:

Date:

For:  File  Resubmit

PO No.:

Approval  Other \_\_\_\_\_

Architect: \_\_\_\_\_ GC: \_\_\_\_\_

Engr: \_\_\_\_\_ Mech: \_\_\_\_\_

Rep: \_\_\_\_\_

(Company)

(Project Manager)

## Indoor Y-Branch Kits

### Multi V™ 3 Pipe



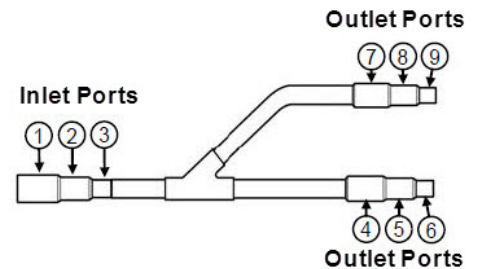
#### Insulation<sup>1</sup> Properties:

|                           |                 |
|---------------------------|-----------------|
| Material                  | Polyolefin Foam |
| UL94 Flame Classification | HF-1            |

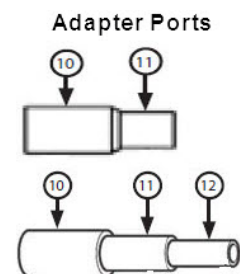
#### Fitting Properties:

|                 |          |
|-----------------|----------|
| Material        | Copper   |
| Design Pressure | 551 PSIG |

| Y-Branch Connection Diameters (in, ID) |                 |                 |       |       |       |       |       |       |       |     |
|--|-----------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-----|
| Model                                  | Y-Branch Type   | Port Identifier |       |       |       |       |       |       |       |     |
|  |                 | 1               | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9   |
| ARBLB01621                             | Liquid          | -               | 1/4   | 3/8   | 3/8   | 1/4   | -     | 3/8   | 1/4   | -   |
|  | Vapor Line Low  | -               | 5/8   | 1/2   | 1/2   | 5/8   | -     | 1/2   | 5/8   | -   |
|  | Vapor Line High | 3/8             | 5/8   | 1/2   | 1/2   | 5/8   | 3/8   | 1/2   | 5/8   | 3/8 |
| ARBLB03321                             | Liquid          | 1/2             | 3/8   | -     | 3/8   | 1/2   | 1/4   | 3/8   | 1/2   | 1/4 |
|  | Vapor Line Low  | 1               | 7/8   | 3/4   | 5/8   | 3/4   | 1/2   | 5/8   | 3/4   | 1/2 |
|  | Vapor Line High | 3/4             | 1     | 7/8   | 7/8   | 3/4   | 5/8   | 7/8   | 3/4   | 5/8 |
| ARBLB07121                             | Liquid          | 1/2             | 3/4   | 5/8   | 5/8   | 3/4   | 1/2   | 5/8   | 3/4   | 1/2 |
|  | Vapor Line Low  | 1-1/4           | 1-1/8 | -     | 7/8   | 3/4   | 5/8   | 3/4   | 5/8   | 1/2 |
|  | Vapor Line High | 1-1/8           | 1     | -     | 7/8   | 1     | 3/4   | 7/8   | 1     | 3/4 |
| ARBLB14521                             | Liquid          | 5/8             | 7/8   | 3/4   | 7/8   | 3/4   | 5/8   | 3/4   | 5/8   | 1/2 |
|  | Vapor Line Low  | 1-3/8           | 1-1/2 | 1-5/8 | 1-1/2 | 1-3/8 | 1-1/8 | 1-3/8 | 1-1/8 | 7/8 |
|  | Vapor Line High | 1-1/8           | 1-3/8 | 1-1/4 | 1-1/8 | 1-1/4 | 1     | 1-1/8 | 1-1/4 | 1   |



| Reducer Diameters (in) |         |                 |          |          |          |         |
|------------------------|---------|-----------------|----------|----------|----------|---------|
| Model                  | Qty/Kit | Reducer Type    | 10       | 11       | 12       | Length  |
| ARBLB01621             | 2       | Liquid          | 1/2 ID   | 3/8 OD   | -        | 2-3/4   |
|                        |         | Vapor Line Low  | 3/4 ID   | 5/8 OD   | -        | 2-3/4   |
|                        |         | Vapor Line High | -        | -        | -        | -       |
| ARBLB03321             | 5       | Liquid          | -        | -        | -        | -       |
|                        |         |                 | 7/8 ID   | 3/4 OD   | -        | 2-3/4   |
|                        |         |                 | 1 ID     | 7/8 ID   | 3/4 OD   | 4-11/32 |
|                        |         | Vapor Line Low  | 1-1/8 ID | 1 OD     | -        | 3-5/32  |
|                        |         |                 | 5/8 OD   | 1/2 ID   | -        | 2-3/4   |
| Vapor Line High        | 5/8 OD  | 1/2 ID          | 3/8 ID   | 4-11/32  |          |         |
|                        | 1/2 OD  | 3/8 ID          | -        | 2-3/4    |          |         |
| ARBLB07121             | 8       | Liquid          | 1/2 OD   | 3/8 ID   | 1/4 ID   | 4-11/32 |
|                        |         |                 | 1-1/8 ID | 7/8 ID   | 3/4 OD   | 4-23/32 |
|                        |         |                 | 1-1/4 ID | 1-1/8 ID | 7/8 OD   | 4-23/32 |
|                        |         | Vapor Line Low  | 1-3/8 ID | 1-1/4 OD | -        | 3-17/32 |
|                        |         |                 | 1/2 OD   | 3/8 ID   | -        | 2-3/4   |
|                        |         |                 | 3/4 OD   | 5/8 ID   | -        | 2-3/4   |
|                        |         |                 | 3/4 OD   | 5/8 ID   | 1/2 ID   | 4-11/32 |
| ARBLB14521             | 12      | Liquid          | 1/2 OD   | 3/8 ID   | 1/4 ID   | 4-11/32 |
|                        |         |                 | 5/8 OD   | 1/2 ID   | 3/8 ID   | 4-11/32 |
|                        |         |                 | 7/8 ID   | 3/4 OD   | -        | 3-5/32  |
|                        |         |                 | 5/8 OD   | 1/2 ID   | -        | 2-3/4   |
|                        |         | Vapor Line Low  | 7/8 OD   | 3/4 ID   | 5/8 ID   | 4-23/32 |
|                        |         |                 | 1-1/8 OD | 7/8 ID   | 3/4 ID   | 4-23/32 |
|                        |         |                 | 1-5/8 ID | 1-1/2 ID | 1-3/8 OD | 5-1/8   |
|                        |         |                 | 1-5/8 ID | 1-1/2 OD | -        | 3-17/32 |
| Vapor Line High        | 3/4 OD  | 5/8 ID          | 1/2 ID   | 4-11/32  |          |         |
|                        | 1/2 OD  | 3/8 ID          | -        | 2-3/4    |          |         |
|                        | 1 OD    | 7/8 ID          | -        | 3-5/32   |          |         |
|                        | 1 OD    | 7/8 ID          | 3/4 ID   | 4-23/32  |          |         |



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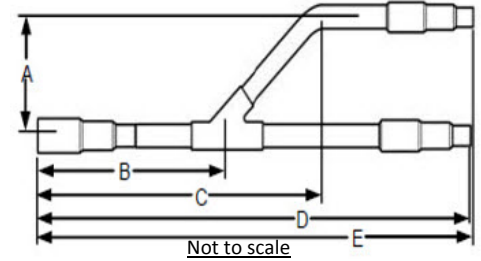


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| Y-Branch Dimensions <sup>2</sup> (in) |                 |         |         |          |          |          |
|---------------------------------------|-----------------|---------|---------|----------|----------|----------|
| Model                                 | Y-Branch Type   | A       | B       | C        | D        | E        |
| ARBLB01621                            | Liquid          | 2-29/32 | 6-9/16  | 8-1/32   | 11-1/16  | 11-1/2   |
|                                       | Vapor Line Low  | 2-29/32 | 4-1/2   | 7-31/32  | 11-1/16  | 11-1/2   |
|                                       | Vapor Line High | 2-29/32 | 6-3/32  | 9-7/16   | 13-13/16 | 14-21/32 |
| ARBLB03321                            | Liquid          | 2-29/32 | 4-1/2   | 8-1/32   | 12-5/8   | 13-1/16  |
|                                       | Vapor Line Low  | 3-9/32  | 6-29/32 | 10-7/8   | 15-11/32 | 16-1/4   |
|                                       | Vapor Line High | 3-25/32 | 7-3/32  | 11-3/8   | 16-9/16  | 17-15/32 |
| ARBLB07121                            | Liquid          | 3-9/32  | 6-1/8   | 10-1/32  | 14-9/32  | 15-1/2   |
|                                       | Vapor Line Low  | 3-25/32 | 5-1/2   | 10       | 14-13/16 | 15-29/32 |
|                                       | Vapor Line High | 3-25/32 | 5-1/2   | 10-3/32  | 15       | 16-3/32  |
| ARBLB14521                            | Liquid          | 3-25/32 | 7-3/32  | 11-11/16 | 16-3/8   | 17-15/32 |
|                                       | Vapor Line Low  | 4-29/32 | 7-7/8   | 13-23/32 | 18-17/32 | 20-11/32 |
|                                       | Vapor Line High | 4-3/8   | 7-7/16  | 12-3/4   | 17-27/32 | 19-11/32 |



### Notes:

1. Each Y-Branch kit comes with insulation for the following piping components - liquid, vapor line low and vapor line high.
2. LG branch fittings must be used. Field supplied branch fittings are not permitted.
3. Kit components must be kept dry and free of debris before installation.
4. Must follow installation instructions in the applicable LG installation manual.