

## Pipe-Marking Audit

# **CHECKLIST**

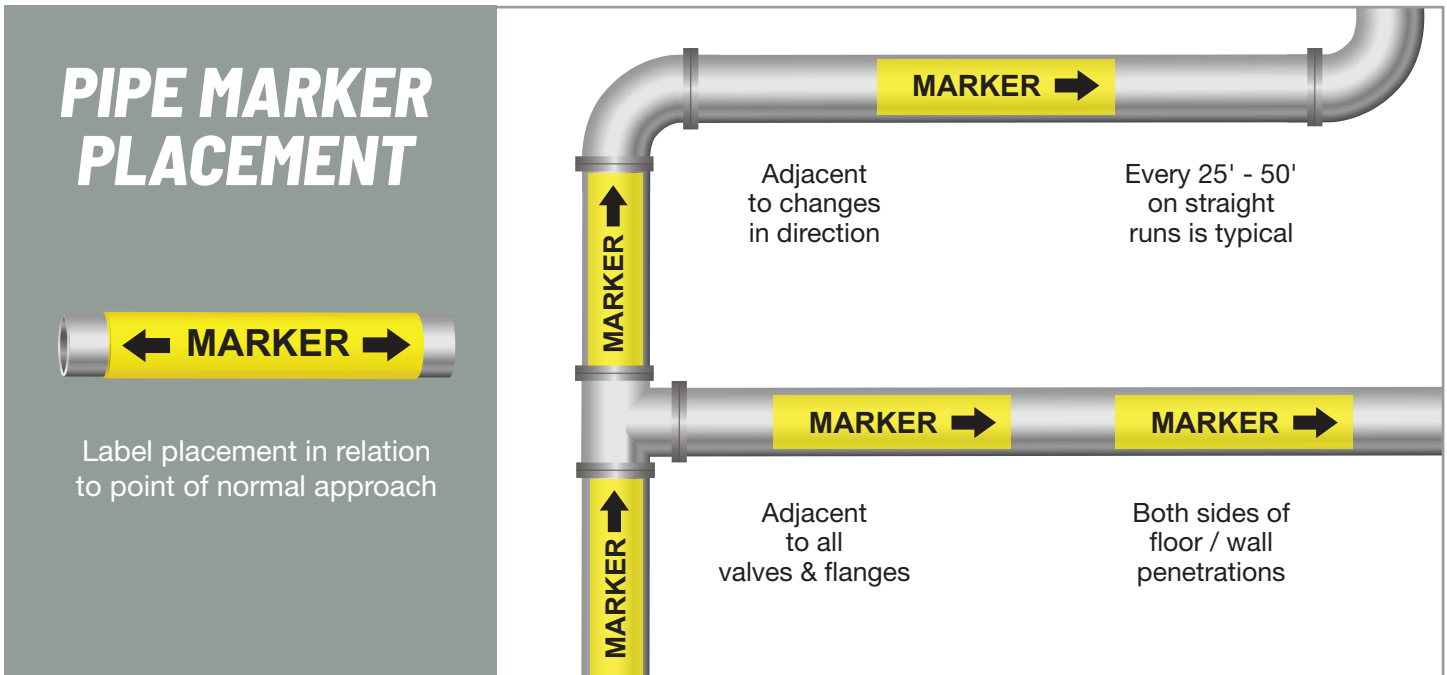


Clearly marked pipes are good insurance against disasters. It's easy to mark pipes and valves – but it's important to do it correctly and make sure you don't miss anything. Use this checklist to conduct a thorough pipe-marking audit in each area of your facility.

- All chemical pipes marked with contents and flow direction
- All valves marked
- Valve tags in good condition
- Pipe markers visible from any line of approach
- Pipes marked at valves
- Pipes marked at flanges
- Pipes marked on both sides of floor or wall penetrations
- Pipes marked adjacent to direction changes (elbows, wyes, tees)
- New pipes to mark
- Abandoned pipes to mark
- Chemical pipes marked per ASME standards
- HVAC ducts marked
- Electrical conduits and devices marked
- Ammonia refrigeration or medical gas pipes marked

Make note of the exact pipe markers and tags you need, including pipe location, contents, size and required marker or tag color.

The ASME A13.1 standard provides a color-coding system for marking chemical pipe systems. The colors indicate the characteristic hazards of pipe contents. A legend is used to identify specific contents.



### PIPE MARKING COLOR CHART

ANSI/ASME A13.1 2007 Standard

|  |  |                                           |
|--|--|-------------------------------------------|
|  |  | <b>Flammable</b><br>Black on Yellow       |
|  |  | <b>Combustible</b><br>White on Brown      |
|  |  | <b>Toxic/Corrosive</b><br>Black on Orange |
|  |  | <b>Fire Quenching</b><br>White on Red     |
|  |  | <b>Other Water</b><br>White on Green      |
|  |  | <b>Compressed Air</b><br>White on Blue    |

|  |  |                                                                    |
|--|--|--------------------------------------------------------------------|
|  |  | Any vapor or gas under pressure that does not fit a category above |
|  |  |                                                                    |

### PIPE MARKER SIZE CHART

| Pipe Outside Diameter | Marker Size | Letter Height |
|-----------------------|-------------|---------------|
| 3/4" to 1-1/4"        | 8" x 5"     | 1/2"          |
| 1-1/2" to 2"          | 8" x 8"     | 3/4"          |
| 2-1/4" to 3"          | 17" x 12"   | 1-1/4"        |

[Compliancesigns.com](http://Compliancesigns.com) carries a full selection of [pipe markers and valve tags](#) for chemicals, HVAC, ammonia refrigeration and medical gasses. You can also create pipe markers with custom text, or we can manufacture custom designs specifically for you.

