

## Standards

The main standard driving pipe markers is ASME A13.1-2007. The standard is only regarded as a guideline, and provides recommendations for legends, shapes, sizes, colors and the locations of pipe markers.

OD of pipe covering (in)	Length of pipe marker (in)	Height of Letter (in)
0.75 - 1.25	8	0.5
1.5 - 2	8	0.75
2.5 - 6	12	1.25
8 - 10	24	2.5
>10	32	3.5

Table 1 - Marker and Legend sizes based on pipe outside diameter according to ASME A13.1-2007

Classification	Color Scheme
Fire Quenching Fluids	White on Red
Toxic & Corrosive Fluids	Black on Orange
Flammable Fluids	Black on Yellow
Combustible Fluids	White on Brown
Potable, cooling, boiler feed, and other water	White on Green
Compressed Air	White on Blue

Table 2 - Marker color recommendations according to ASME A13.1-2007

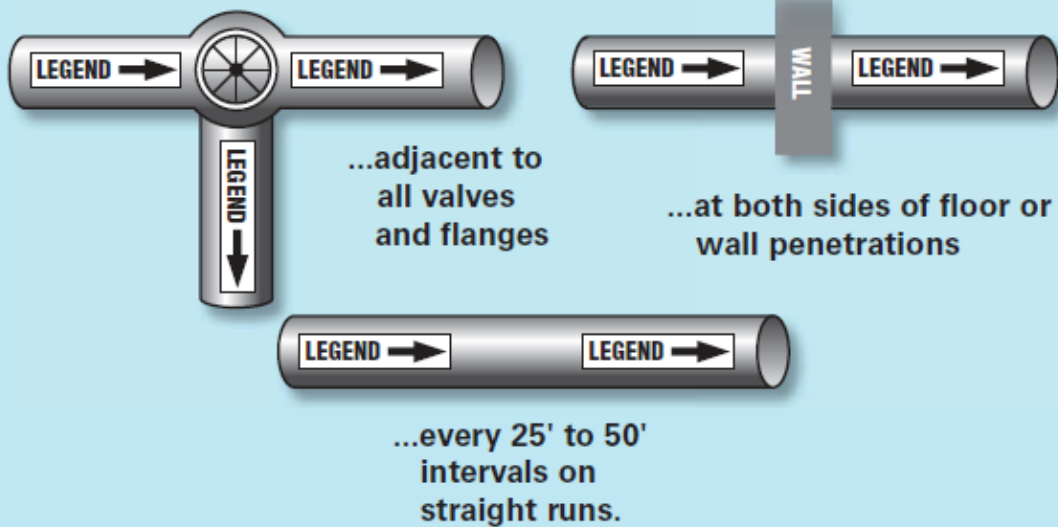
A **typical** pipe would have the following legend identifier and arrows to specify flow – see example below:



Pipe markers should be **positioned** according to the following criteria:

- Markers are easily seen from the normal angle of approach, for example, below the centerline of the pipe if the pipe is overhead, and above the centerline if the pipe is below eye level
- Labels are required at the following locations
  - Adjacent to all valves and flanges
  - Adjacent to all changes of direction
  - On both sides of wall or floor penetrations
  - At regular intervals on straight runs (50' is the acceptable maximum spacing, but closer spacing might be necessary for visibility)

### Pipes shall be marked...



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