



ANSI/ASME A13.1 2020 STANDARD

PIPE MARKING REFERENCE GUIDE

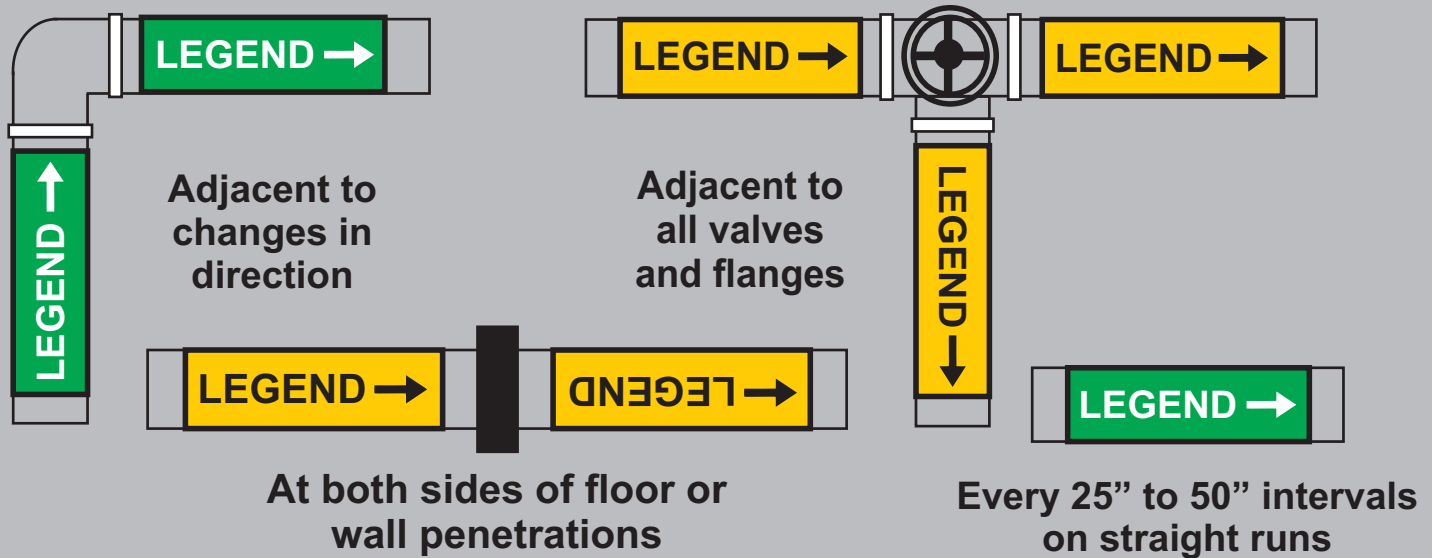
Pipe labels must effectively identify the contents of pipes and also provide information if there are additional hazards like extreme pressure or temperatures

COLOR CHART

TYPE	COLOR	EXAMPLE
FLAMMABLE FLUIDS & GASES	BLACK ON YELLOW	HYDROGEN
COMBUSTIBLE FLUIDS & GASES	WHITE ON BROWN	CANOLA OIL
TOXIC/CORROSIVE FLUIDS & GASES	BLACK ON ORANGE	NITRIC ACID
FIRE QUENCHING FLUIDS	WHITE ON RED	FIRE WATER
ALL WATER (POTABLE, BOILER ETC.)	WHITE ON GREEN	POTABLE WATER
ALL WATER (COMPRESSED, LAB, ETC.)	WHITE ON BLUE	NITROGEN
DEFINED BY USER	WHITE ON BLACK	EXAMPLE
DEFINED BY USER	WHITE ON GREY	EXAMPLE
DEFINED BY USER	WHITE ON PURPLE	EXAMPLE
DEFINED BY USER	BLACK ON WHITE	EXAMPLE

Pipes must be labeled at all 4 scenarios below and should be easily visible from personnel's direct line of sight

PIPE LABEL PLACEMENT



Below are the guidelines for pipe label sizing in order to facilitate clear visibility

PIPE LABEL SIZE REQUIREMENTS

OD OF PIPE OR COVERING	LENGTH OF COLOR FIELD	LETTER HEIGHT
0.7 in - 1.3 in (18-33 mm)	8 in (203 mm)	0.5 in (13 mm)
1.4 in - 2.4 in (34-61 mm)	8 in (203 mm)	0.7 in (19 mm)
2.5 in - 6.7 in (62-170 mm)	12 in (305 mm)	1.3 in (32 mm)
6.8 in - 10 in (171-254 mm)	24 in (610 mm)	2.5 in (64 mm)
10 in (254 mm) or bigger	32 in (813 mm)	3.5 in (89 mm)