












CAN/CGSB 24-3 STANDARD

PIPE MARKING REFERENCE GUIDE

CAN/CGSB 24.3 outlines how piping and conduit should be labeled. It closely matches the ANSI/ASME 13.1 standards that many Canadian facilities now chose to follow as well as in combination with the CAN/CGSB 24.3

COLOR CHART	MATERIAL/CLASSIFICATION	SUB-CLASSIFICATION	COLOR
	HAZARDOUS CONTENTS	-Flammable or Explosive -Chemically Active or Toxic -Extreme Temperature/Pressure -Radioactive	BLACK ON YELLOW
	LOW-HAZARD CONTENTS	-Liquid or Liquid Admixture	WHITE ON GREEN
		-Gas or Gaseous Admixture	WHITE ON BLUE
FIRE QUENCHING MATERIALS	-Water, Foam, Co2, Halon, Etc.	WHITE ON RED	

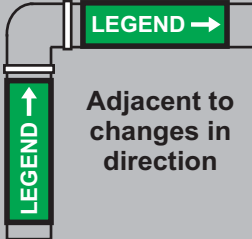
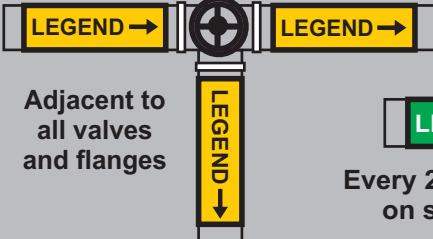


Pipe markers should indicate the contents and direction of flow and for controlled products WHMIS pictograms should be added to identify the types of hazards present

WHMIS PICTOGRAMS		Class A: Compressed Gas		Class D: (Division 1) Immediate and Serious Toxic Effects		Class E: Corrosive Materials
		Class B: Flammable and Combustible Materials		Class D: (Division 2) Other Toxic Effects		Class F: Dangerously Reactive Materials
		Class C: Oxidizing Materials		Class D: (Division 3) Biohazardous Infectious Materials	EXAMPLE	

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
	0.75 in - 1.3 in (19-32 mm)	8 in (203 mm)	0.5 in (13 mm)
	1.5 in - 2.0 in (38-51 mm)	8 in (203 mm)	0.7 in (19 mm)
	2.5 in - 6.0 in (64-152 mm)	12 in (305 mm)	1.3 in (32 mm)
	7.9 in - 10 in (203-254 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)

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

PLACEMENT		Adjacent to changes in direction		Adjacent to all valves and flanges		Every 20'/6m intervals on straight runs		At both sides of floor or wall penetrations
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