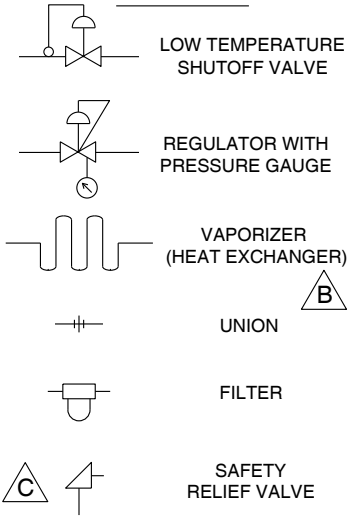
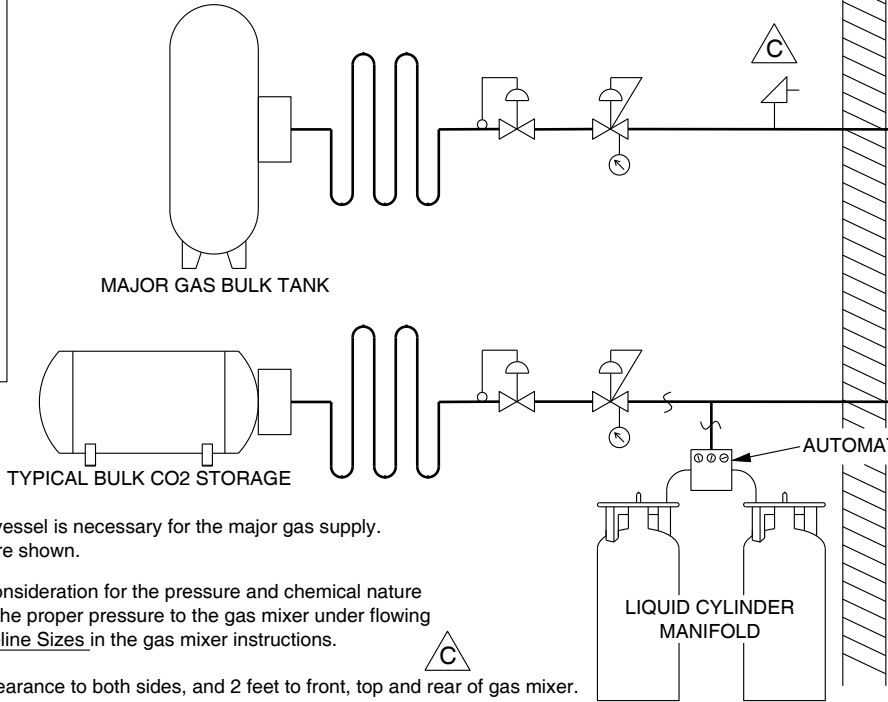


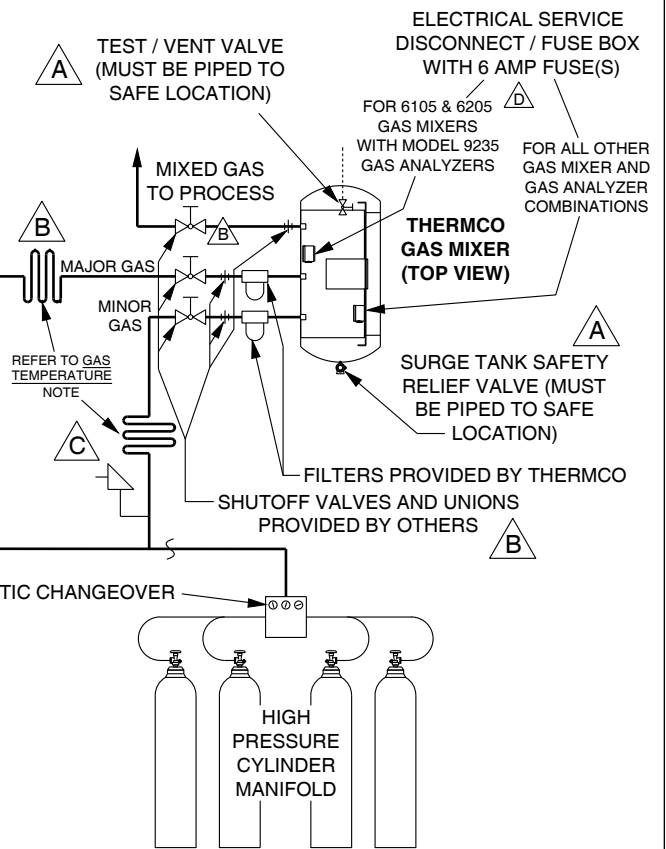
LEGEND



OUTDOORS



INDOORS



NOTES:

GAS SUPPLY: Normally a bulk storage vessel is necessary for the major gas supply. Three choices for the minor gas supply are shown.

PIPING: Piping should be chosen with consideration for the pressure and chemical nature of the gas, sized large enough to deliver the proper pressure to the gas mixer under flowing conditions. See Recommended Inlet Pipeline Sizes in the gas mixer instructions.

CLEARANCE: Leave at least 1 1/2 feet clearance to both sides, and 2 feet to front, top and rear of gas mixer.

POWER REQUIREMENTS: Gas mixers made for installation in the U.S. and Canada will require 115 VAC (±10 VAC), 60 Hz, 1 Ø. For gas mixers for other locations, see instruction manual for power requirements.

GAS TEMPERATURE: The two supply gases should enter the gas mixer at nearly equal temperatures to achieve the proper mixing accuracy. If the gas supplies will be at significantly differing temperatures, the resultant mixing inaccuracy should be considered and the proper corrective action taken. Design to prevent exposure of the gas mixer to high pressures or liquid gases should be practiced. An ambient heat exchanger located indoors with the gas mixer may be required to maintain the specified typical supply gas temperature range of 32°F - 104°F (0°C - 40°C) at the gas mixer and will provide the best gas mixer performance. However, some gas mixers require a special temperature range, such as 50°F - 90°F (10°C - 32.2°C). See Gas Mixer Special Instructions for special requirements.

WIRING: Electrical signals (4 - 20mA) run remotely from the analyzer enclosure must be run in a conduit separate from the power wiring (115 VAC, remote Horn wiring), or in a special shielded cable to eliminate the effects of electrical interference with the instrument signal.

SAFETY RELIEF VALVE: Refer to the gas mixer Instruction Manual for recommended relief valve setting.

| REVISIONS | BY | DATE |
|-----------|-----|---------|
| E | | |
| D | GAR | 12-2-15 |
| C | GAR | 3-6-15 |
| B | GAR | 12-5-13 |
| A | GAR | 1-26-12 |

thermco INSTRUMENT CORPORATION
LA PORTE, INDIANA USA

TITLE:
**RECOMMENDED INSTALLATION OF
NON-FLAMMABLE INDOOR GAS MIXER**

| | |
|-----------------|------------|
| DATE: | 6-18-93 |
| SCALE: | N.T.S. |
| DRAWN BY: | JE |
| APPROVED BY: | <i>GAR</i> |
| SUPERSEDES: | |
| DRAWING NUMBER: | 1-10654 |