

Safety Procedures

WARNING

Dangerous environment. Highly flammable and explosive fuels are present. Failure to observe all safety precautions could result in serious injury or death. Observe all safety precautions as outlined in Gilbarco's manuals.

Installation Procedures

1. Install a single EMERGENCY POWER CUTOFF control to remove AC power from site dispensing equipment. (The control is an additional safety feature, and not a substitute for NEC/NFPA30A circuit breaker requirements.)
 - Label the EMERGENCY POWER CUTOFF switch and instruct owner to keep area clear of obstacles.
2. Install a system Earth Ground.
3. Install power breakers to each circuit leading to the dispensing unit and pump motor. They must be capable of simultaneously disconnecting hot and neutral conductors.
4. Only field wiring connections are shown in the junction boxes. Local and National Electrical Codes may apply.
5. Use 1" rigid metallic conduit to run wires. Install per NEC for hazardous locations.
6. Wires - all wires are 14AWG (stranded) unless otherwise noted. Motors - minimum wires are 12AWG (stranded). System ground - wire is 12AWG (stranded). Power loading and distance run may require larger wire size.
7. Consult mfg. specs. for wire nuts to determine maximum number of wires that may be used per nut.
8. Make appropriate connections to AC Hot and return service for Three-Phase system.
9. Valve is optional on Mechanical and Commercial pumps; 1 Grade 1 Hose or 2 Grade 2 Hose.

Note: In Canada switching neutral is contrary to the Canadian electrical code, reference part 1, rule 14-014.

Load Table

Pump Lights	1.0
AMP @ 120 VAC	
0.5 AMP @ 240 VAC	
Control Valves	0.2
AMP @ 120 VAC	
0.1 AMP @ 240 VAC	
Electric Reset Motors	2.2
AMP @ 120 VAC	

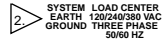
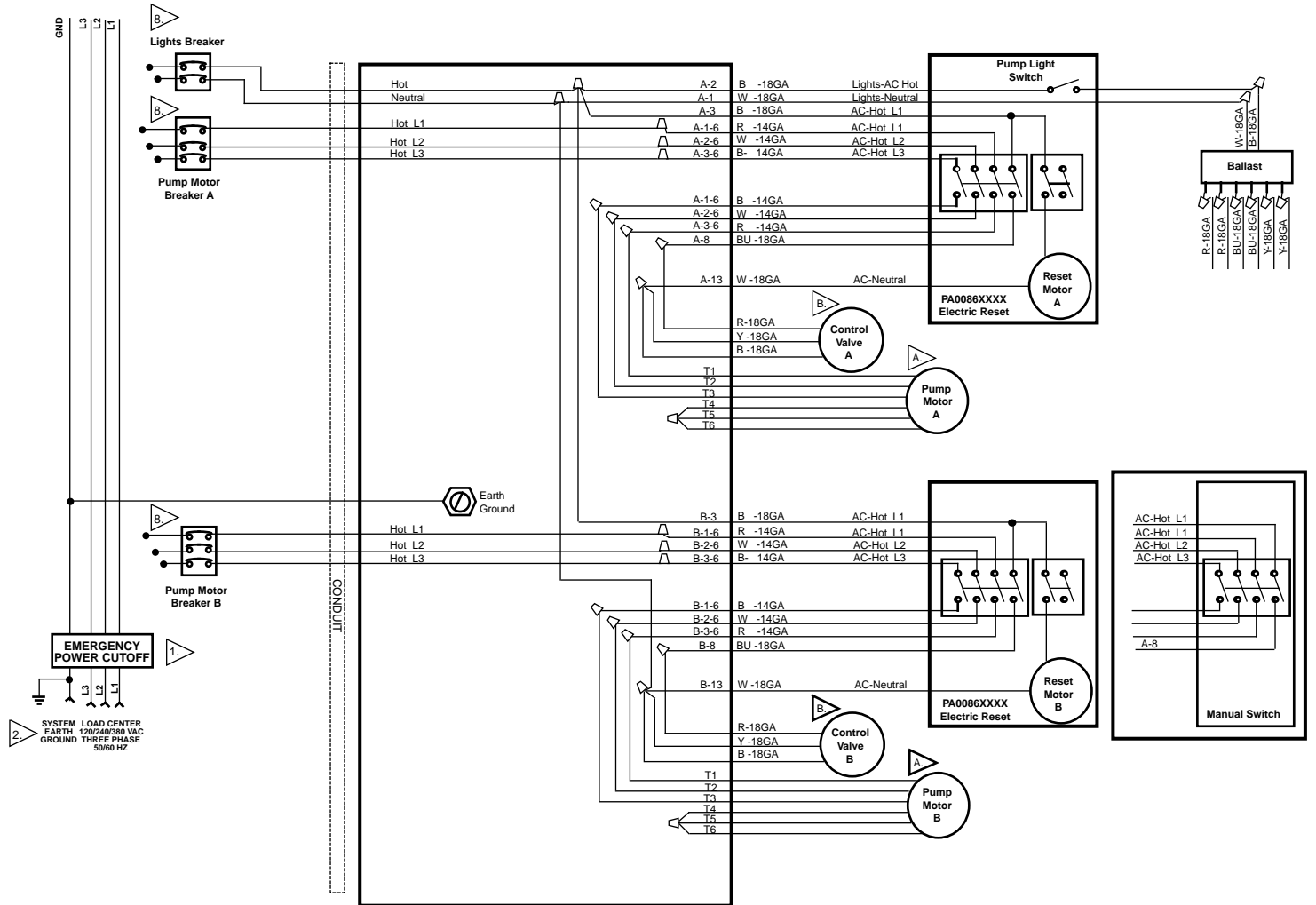
Model Variations

1-Grade, 1-Hose – Wire Side A only

- A.** 1-Grade, 2-Hose – Pump motor B does not exist; tie A-1-6 to B-1-6, A-2-6 to B-2-6, and A-3-6 to B-3-6. One control valve is required per side and is controlled by pump handle.

- B.** 2-Grade, 2-Hose – Ultra High Pumps in stand-alone mode (shown) do not have control valves

- Pumps have pump motors and mechanical relays.
- Dispensers do not have pump motors or mechanical relays.
- Dispensers with or without a POS/preset device will always have one control valve per side.



Wire Color Chart

Black	B
Brown	BR
Red	R
Orange	OR
Yellow	Y
Green	GN
Blue	BU
Violet	V
Gray	GY
White	W

FIELD WIRING DIAGRAM
 Legacy – Commercial/Mechanical Pump
 with Electrical Reset or Manual Switch
 380 VAC Pump Motor, Three Phase