1850 Russell Ave.

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Utilities Reference Guide

Utilities

Prior to installation, ensure that the following utilities are available

Cabinet: Controller P/N SP-PLC100-ZP / SP-PLC200M

Purge Gas (if not supplied within the cabinet)—Regulated 80 to 100 psig; 40 slpm UHP nitrogen, helium, or argon. This should be supplied by a dedicated UHP cylinder and an appropriate purge gas panel.

Venturi Gas—Regulated 80 to 100 psig house nitrogen system, 60 to 100 slpm (2.1 to 3.5 scfm). It is recommended that a valve and regulator be on each drop to the panels.

Electrical—110 - 230 VAC, single phase, 60/50 Hz

Pneumatic—Regulated 80 to 100 psig house nitrogen or clean dry air (CDA). It is recommended that there be a separate drop with a valve and regulator to each controller.

Fire Sprinkler Head—½“ NPT connection, fed from fire system water.

Z-Purge Supply (Optional)—Regulated 2 - 5 psig, 5 slpm house nitrogen for NEC Class 1 Division 2 installations, only.

VMB: SP-VMBM4ESO / SP-VMBM8ESO / SP-VMB4A-XXX / SP-VMB8A-XXX
Purge Gas— Regulated 80 to 100 psig; 40 slpm UHP nitrogen, helium, or argon. This should be supplied by a dedicated UHP cylinder and an appropriate purge gas panel.

Venturi Gas— Regulated 80 to 100 psig house nitrogen system, 60 to 100 slpm (2.1 to 3.5 scfm). It is recommended that a valve and regulator be on each drop to the panels.

Pneumatic— Regulated 80 to 100 psig house nitrogen or clean dry air (CDA). It is recommended that there be a separate drop with a valve and regulator to each controller.

Electrical—100 - 240 VAC single phase, 60/50 Hz

Crossover Panel: SP-AUTOX-HP-XXX
Crossover Panel: SP-AUTOXPHPAPV-T-XXX (See SP-PLC200M)
Purge Gas— Regulated 80 to 100 psig; 40 slpm UHP nitrogen, helium, or argon. This should be supplied by a dedicated UHP cylinder and an appropriate purge gas panel.

Pneumatic— Regulated 80 to 100 psig house nitrogen or clean dry air (CDA). It is recommended that there be a separate drop with a valve and regulator to each controller.

Electrical—120 VAC @ 1/8A or 12 VDC @ 300mA