

Application Notes

MXZ Branch Box Applications with Blue Diamond Pump

Application Models:

MXZ-4C36NAHZ, MXZ-5C42NAHZ, MXZ-8C48NAHZ and MXZ-8C48NA model systems.

Occurring Condition

The Blue Diamond pumps have the delay on the NC alarm circuit that will cause a 7102 capacity error when S1 is broken. According to original instructions breaking S1 is the proper way to install the pump and safety switch.

In order to avoid the error condition it will be necessary to break the the coil thermistor of the indoor unit with the electronic level sensor of the Blue Diamond pump. On the indoor unit wiring diagram the coil thermistors will be designated as either RT12 or TH2.

(See Below)

Recommended inlet & outlet tubing is to be 1/4" ID PVC braided tube. All connections should be securely fastened and air tight

Maximum internal diameter of the suction and discharge lines should not exceed 3/8" in areas that are dependant on the pump (i.e. None gravity)

