This section covers the following unit configurations.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>3100, 3400</td>
</tr>
<tr>
<td>Voltage</td>
<td>1</td>
</tr>
<tr>
<td>Pump</td>
<td>Piston (E or G)</td>
</tr>
<tr>
<td>Manifold</td>
<td>4-Port (A)</td>
</tr>
<tr>
<td>Control</td>
<td>MultiScan</td>
</tr>
</tbody>
</table>
Section B 4
Schematics

1. Introduction

The wiring diagrams contained in this section are based on the voltage code of your unit. Refer to the following table to determine the voltage code of your unit; then refer to the appropriate wiring diagram in this section.

Table B 4-1 Unit Voltage Codes and Applicable Wiring Diagrams

<table>
<thead>
<tr>
<th>Unit Voltage Code</th>
<th>Specification (See Note A)</th>
<th>Type of service you can connect to the unit:</th>
<th>Part of this section to refer to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3/PE 200–240 V</td>
<td>200–240 VAC 1Ø (two-wire service without a neutral)</td>
<td>Voltage Code 1 Wiring Diagram</td>
</tr>
<tr>
<td></td>
<td></td>
<td>200–240 VAC 3Ø (three-wire service without a neutral)</td>
<td></td>
</tr>
</tbody>
</table>

NOTE A: This specification is printed in the VOLTS (ac) portion of the identification plate on your unit.

2. Use of Wiring Diagrams

Each wiring diagram is contained on two facing pages. Sometimes a wire shown on one page is connected to terminals or components shown on the facing page. In these cases, the connecting wiring is labeled on each page with the same letters. For example, if you want to trace a wire or harness labeled BL on the left page, look for a wire or harness labeled BL on the right page.

Each wiring diagram shows all of the options or special features the unit can be equipped with. Options and special features are indicated by dotted lines. To determine the features and options of your unit, refer to Explanation of Configuration Code at the end of the Description section.
This wiring diagram applies to voltage code 1 melters. Refer to Table B 4-1 to determine the voltage code of your melter.
1. DETAILS SHOWN FOR REFERENCE ONLY AND SHOULD NOT BE INTERPRETED LITERALLY.
2. AC MOTOR OPERATION
   ON PCB12 JUMPER JMP1 (OVERTEMPERATURE PROTECTION) SHOULD BE IN POS. 2 & 3.
   JUMPER JMP2 (GAIN CONTROL) SHOULD BE IN POS.2&3.
3. DC MOTOR OPERATION
   ON PCB12 JUMPER JMP1 (OVERTEMPERATURE PROTECTION) SHOULD BE IN POS. 1 & 2.
   JUMPER JMP2 (GAIN CONTROL) SHOULD BE IN POS.1 & 2.
4. TRANSDUCER OPERATION
   ON PCB15 JUMPER JMP1 (OVERTEMPERATURE PROTECTION) SHOULD BE IN POS. 2 & 3.
   JUMPER JMP2 (GAIN CONTROL) SHOULD BE IN POS. 1 & 2.
   ON PCB16 JUMPER JMP1 (TRANSDUCER CURRENT SELECTION) SHOULD BE IN POS.A&B FOR USE WITH A 4-20mA TRANSDUCER.

Fig. B 4-2  Schematic for 3100 and 3400 Voltage Code 1 Melters (2 of 2)
4. Voltage Code 1 Wiring Diagram

This wiring diagram applies to voltage code 1 melters. Refer to Table B 4-1 to determine the voltage code of your melter.

Fig. B 4-3  Wiring Diagram for 3100 and 3400 Voltage Code 1 Melters (1 of 2)
Fig. B 4-4  Wiring Diagram for 3100 and 3400 Voltage Code 1 Melters (2 of 2)

NOTES:
1) WIRE NO. 3C REQUIRED ONLY WITH IZUMI BREAKER

NOTE: FOR SINGLE PHASE USE, CUSTOMER TO SUPPLY A SINGLE PHASE JUMPER CONNECTED FROM TB1-A TO TB1-B. JUMPER WIRE TO BE 10 GAUGE WIRE.