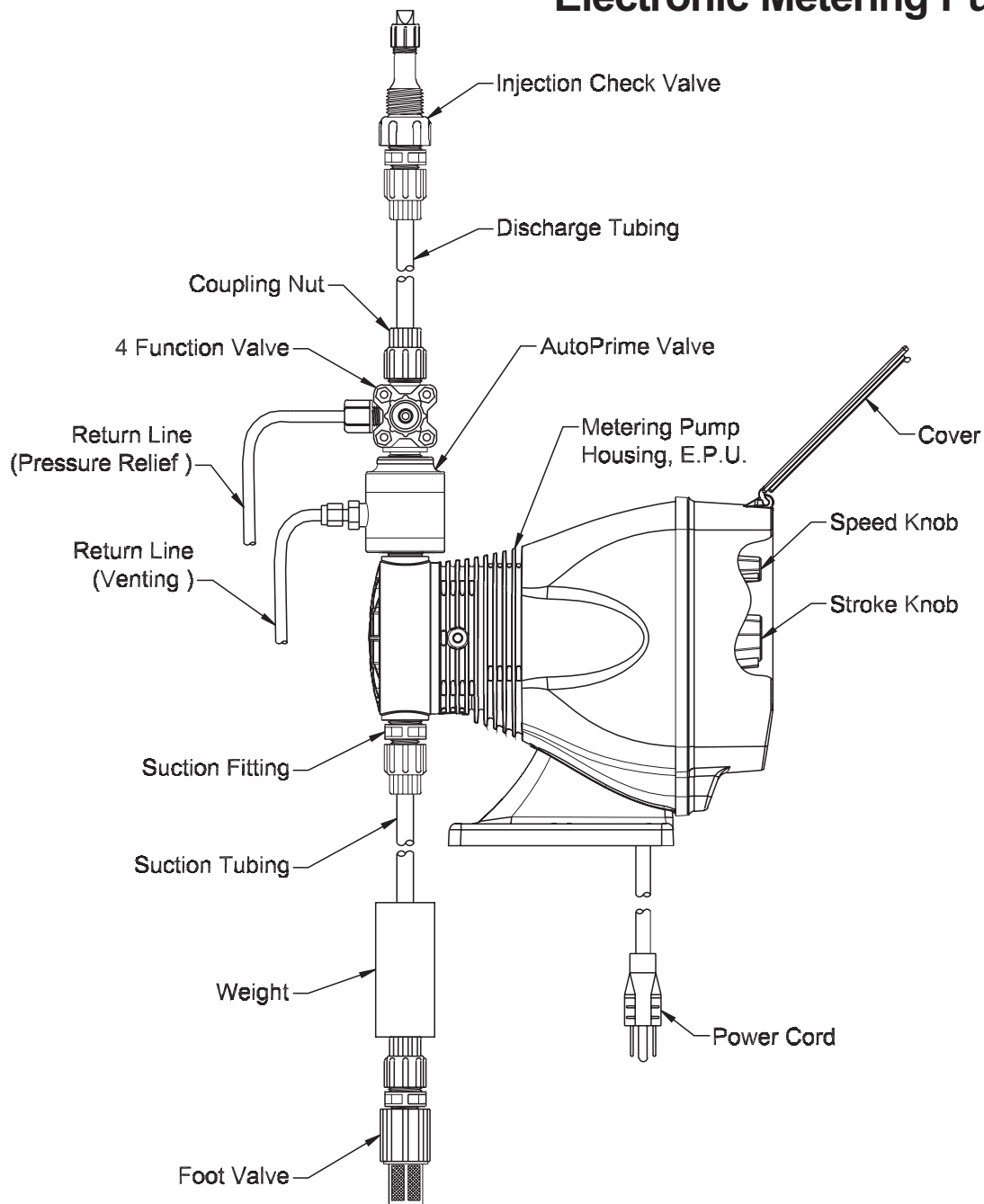


# Instruction **Supplement**

## Series AA1 Electronic Metering Pump



**Metering Pump Component Diagram**



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ISO 9001 Certified



1972.A 08/03

This exploded view diagram illustrates the assembly of a portable electronic device. The main components are organized into three primary sections, indicated by dashed lines and labeled with circled numbers:

- Section 1 (Main Device Body):** Includes the front housing (1), internal components like the display (200), keypad (210), and various connectors (212, 215, 220, 230, 240, 250, 260, 280). It also shows the internal battery compartment (390) and the rear housing (380).
- Section 2 (Mounting Bracket):** Features a mounting bracket (2) with a base (100) and a mounting arm (130). It includes various fasteners (105, 120, 140, 150) and a mounting plate (300).
- Section 3 (Accessories):** Includes a carrying case (3) and a carrying strap (340).

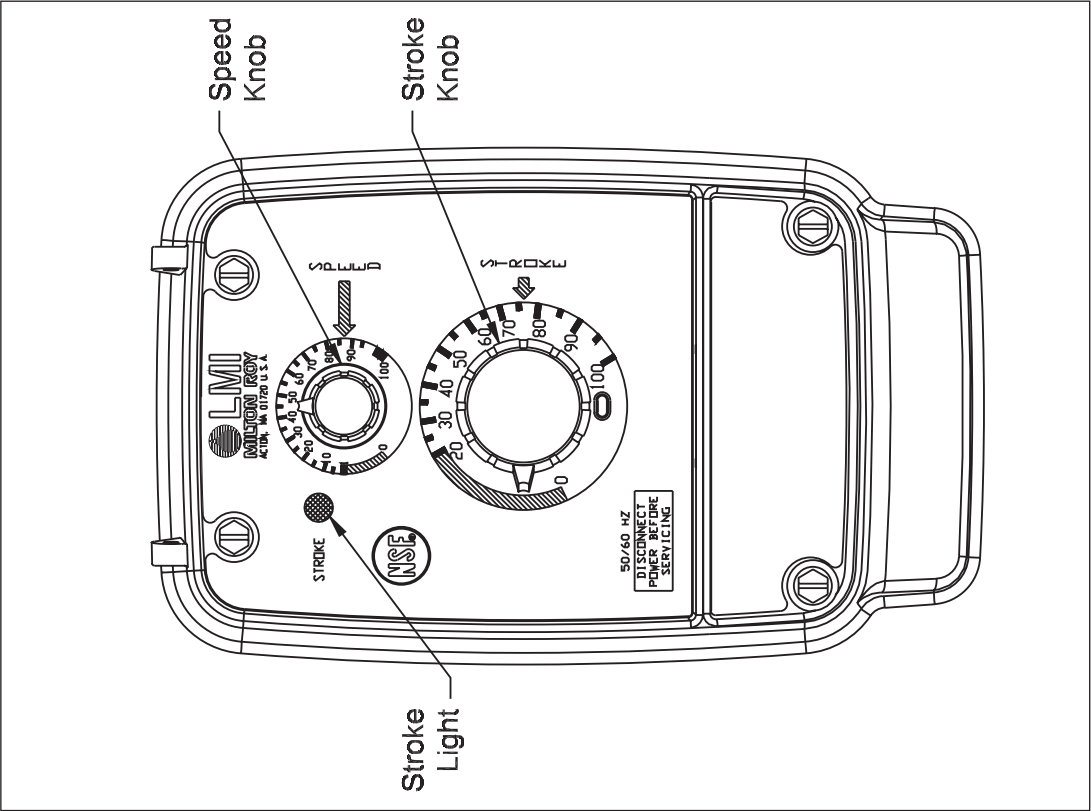
Additional components shown include a carrying strap (340), a carrying case (3), and a carrying strap (340). The diagram uses dashed lines to show the alignment and assembly sequence of the parts.

## Series AA1 Drive Assembly Parts List

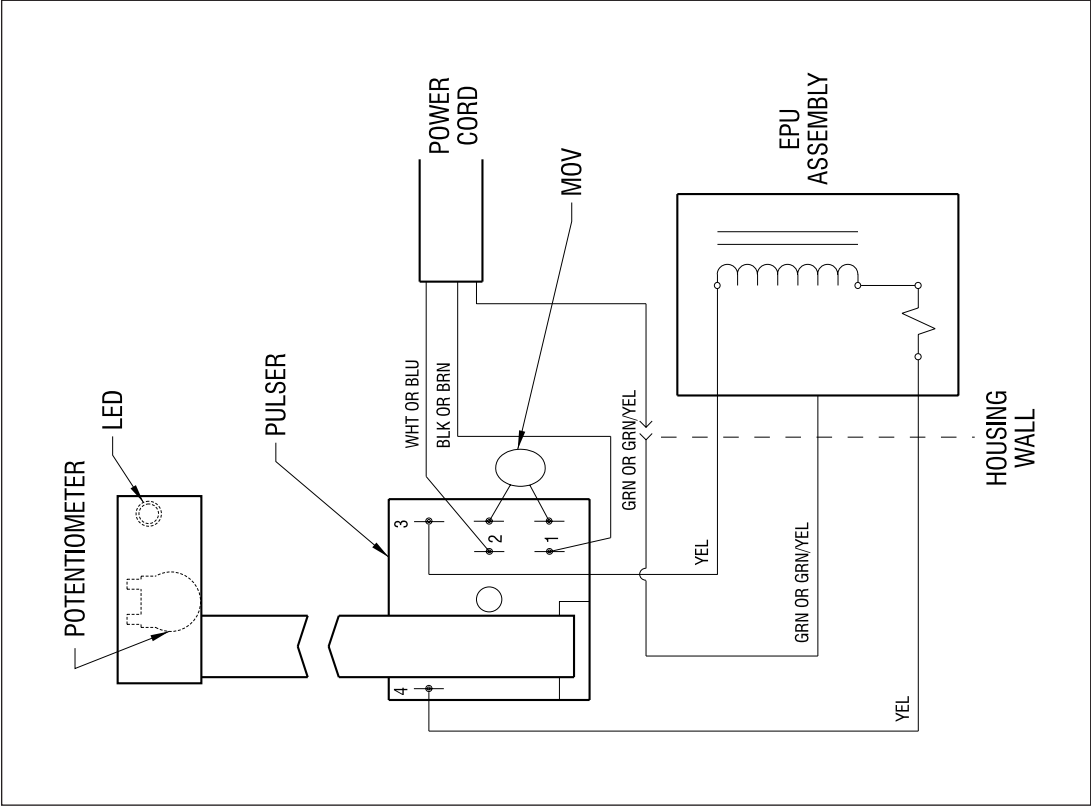
| Key No. | Model Series                      | Part No. | Description                      | Qty. |
|---------|-----------------------------------|----------|----------------------------------|------|
| 1       | AA141, AA151, AA161, AA171, AA181 | 48013    | Control Panel Assembly, 115V     | 1    |
|         | AA142, AA152, AA162, AA172, AA182 | 48014    | Control Panel Assembly, 230V US  | 1    |
|         | AA143, AA145, AA146, AA147        | 48015    | Control Panel Assembly, 230-250V | 1    |
|         | AA153, AA155, AA156, AA157        |          |                                  |      |
|         | AA163, AA165, AA166, AA167        |          |                                  |      |
|         | AA173, AA175, AA176, AA177        |          |                                  |      |
| 2       | AA183, AA185, AA186, AA187        | 48034    | EPU w/ Stroke Adjustment, 115V   | 1    |
|         | AA141, AA151                      |          |                                  |      |
|         | AA142, AA143, AA145, AA146, AA147 |          |                                  |      |
|         | AA152, AA153, AA155, AA156, AA157 |          |                                  |      |
|         | AA161                             |          |                                  |      |
|         | AA162, AA163, AA165, AA166, AA167 |          |                                  |      |
| 3       | AA171, AA181                      | 48038    | EPU w/ Stroke Adjustment, 115V   | 1    |
|         | AA172, AA173, AA175, AA176, AA177 |          |                                  |      |
|         | AA182, AA183, AA185, AA186, AA187 |          |                                  |      |
|         | AA141, AA151                      |          |                                  |      |
|         | AA142, AA143, AA145, AA146, AA147 |          |                                  |      |
|         | AA152, AA153, AA155, AA156, AA157 |          |                                  |      |
| 90      | AA161                             | 48027    | EPU, 115V                        | 1    |
|         | AA162, AA163, AA165, AA166, AA167 |          |                                  |      |
|         | AA171, AA181                      |          |                                  |      |
|         | AA172, AA173, AA175, AA176, AA177 |          |                                  |      |
|         | AA182, AA183, AA185, AA186, AA187 |          |                                  |      |
|         | AA141, AA151                      |          |                                  |      |
| 100     | AA1                               | 10973    | Seal                             | 1    |
| 105     | AA1                               | 38886    | Stroke Adjustment Bracket        | 1    |
| 120     | AA1                               | 48012    | Stroke Adjustment Shaft Assembly | 1    |
|         | AA1                               | 41227    | Screw                            | 8    |

| Key No. | Model Series                      | Part No. | Description                      | Qty. |
|---------|-----------------------------------|----------|----------------------------------|------|
| 130     | AA141, AA151, AA161, AA171, AA181 | 29033CE  | Power Cord Assembly, 115V        | 1    |
|         | AA142, AA152, AA162, AA172, AA182 | 29039CE  | Power Cord Assembly, 230V US     | 1    |
|         | AA143, AA153, AA163, AA173, AA183 | 29042CE  | Power Cord Assembly, 230V DIN    | 1    |
|         | AA145, AA155, AA165, AA175, AA185 | 29044CE  | Power Cord Assembly, 240V UK     | 1    |
|         | AA146, AA156, AA166, AA176, AA186 | 29046CE  | Power Cord Assembly, 250V AUST   | 1    |
|         | AA147, AA157, AA167, AA177, AA187 | 29048CE  | Power Cord Assembly, 230V SWISS  | 1    |
|         | AA1                               | 37879    | Foot                             | 1    |
|         | AA1                               | 38199    | Screw                            | 3    |
|         | AA1                               | 34497    | O-Ring                           | 1    |
|         | AA1                               | 35708    | Pulser                           | 1    |
| 210     | AA1                               | 10422    | Retaining Ring                   | 1    |
| 212     | AA142, AA152, AA162, AA172, AA182 | 25507    | Adapter                          | 2    |
| 215     | AA142, AA152, AA162, AA172, AA182 | 48043    | Varistor Assembly, 230V US       | 1    |
| 220     | AA141, AA151, AA161, AA171, AA181 | 35243    | MOV and Capacitor Assy, 115V     | 1    |
|         | AA142, AA152, AA162, AA172, AA182 | 35237    | MOV and Capacitor Assy, 230-250V | 1    |
|         | AA143, AA153, AA163, AA173, AA183 |          |                                  |      |
|         | AA145, AA155, AA165, AA175, AA185 |          |                                  |      |
|         | AA146, AA156, AA166, AA176, AA186 |          |                                  |      |
|         | AA147, AA157, AA167, AA177, AA187 |          |                                  |      |
|         | AA1                               |          |                                  |      |
|         | AA1                               |          |                                  |      |
|         | AA1                               |          |                                  |      |
|         | AA1                               |          |                                  |      |
|         | AA1                               |          |                                  |      |
| 230     | AA1                               | 35743    | Speed Shaft                      | 1    |
| 240     | AA1                               | 35744    | Dual Pin                         | 1    |
| 250     | AA1                               | 30803    | Gasket                           | 1    |
| 260     | AA1                               | 30709    | Speed Knob                       | 1    |
| 280     | AA1                               | 38887    | Gasket                           | 1    |
| 300     | AA1                               | 41244    | Screw                            | 1    |
| 340     | AA16                              | 30374    | Stroke Dial                      | 1    |
|         | AA17                              | 29269    | Stroke Dial                      | 1    |
|         | AA18                              | 29268    | Stroke Dial                      | 1    |
| 350     | AA1                               | 31890    | Stroke Knob Assembly             | 1    |
| 380     | AA14, AA17                        | 29445    | Disk, 0.5                        | 1    |
|         | AA15, AA18                        | 29437    | Disk, 0.9                        | 1    |
|         | AA16                              | 29442    | Disk, 1.8                        | 1    |
| 390     | AA1                               | 37974    | Cover                            | 1    |

Series AA1 Control Panel Detail



Series AA1 Wiring Diagram



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