INSTRUCTIONS
MODELS Q2B, Q2V

The FMI Ratio:matic Duplex is similar in design to the standard FMI "Q" pump. Please review Q431- Instruction and Parts Identification sheet for general information on both "Q" Models, and Instruction sheet V300 for the variable-speed models "Q2V".

DESCRIPTION
The Ratio:matic Duplex pumps configure two Pump Head Modules (PHM's) on one Pump Drive Module. The position of the PHM's is very important, see figs. 1 & 2 for proper PHM positioning. There are two operating modes for the Ratio:matic. In both modes, stroke rate is directly proportional to the flow.

1. **Doubling Flow**: with two identical pump heads twice the normal flow is achieved with system pulsation's reduced as much as 50%, see fig. 1.

2. **Proportioning Flow**: with suitable PHM selection two separate fluids are precisely proportioned. Ratios are varied by stroke adjustment of respective Pump Head Modules relative to each other, see fig. 2.
IN-Q2-431-16

RATIO:MATIC®
DUPLEX DRIVES

Q2B OR Q2V DUPLEX PUMP DRIVE MODULE

Please refer to "Q" Pump Line Instructions, "Q431" for complete description and prices on all other parts.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>Q421-1</td>
<td>BASE ASSEMBLY Q2V, Q2B</td>
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<tr>
<td>Q647</td>
<td>MOUNTING BASE KIT</td>
</tr>
<tr>
<td>110268</td>
<td>FOOT, RUBBER</td>
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<tr>
<td>110230-6</td>
<td>SCREW, #8-32 X 3/8&quot; PAN HEAD</td>
</tr>
</tbody>
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