L/S® Precision Variable-Speed Console Drives

Easy-to-use drives offer precise speed control and digital display of rpm—ideal for metering applications

- Flow rate 0.6 to 3400 mL/min (depends on drive rpm and tubing size)
- Four digit LED display shows motor rpm—confirm speed setting at a glance
- Reversible motor—purge tubing before or after pumping; pump fluid in either direction
- LED indicators confirm motor direction
- Powerful motors let you stack 2 or 4 pump heads for increased flow rates and for multichannel applications
- Membrane keypad for easy up-front control of speed, direction, and start/stop
- Separate speed and power (on/off) control—maintain speed setting while turning pump on/off
- Stackable, splash-resistant ABS plastic housing; IP33 rated
- Remote control capabilities via a DB9 female connector on back of drive
  - Speed control input
  - Pump direction (CW/CCW) via open collector or contact closure
  - Start/stop via open collector or contact closure

These accurate analog console drives have powerful motors, speed display, and ±0.25% speed control for precise flow regulation—ideal for metering applications. Remote speed control requires DB9 male connector 07595-45 or cable assembly 07595-47. Use remote connector for control of start/stop via contact closure or open collector (5 V TTL); or control start/stop via footswitch 77595-35. Order control accessories on facing page.

What’s included: 6-ft (1.8-m) line cord with IEC 320/CEE22 socket. These models are shipped with country-specific plug/cord set; please specify ultimate destination when ordering.

TECHNICAL information!

Variable-speed console drives accept nine different pump head types: Standard, Easy-Load®, Easy-Load® II, Easy-Load® 3, Multichannel, High-Performance, Cartridge, PTFE-Tubing, and PTFE-Diaphragm.
Flow rates in mL/min

- **Precision pump tubing**
  - L/S 13
  - L/S 14
  - L/S 16
  - L/S 25
  - L/S 17
  - L/S 18
  - L/S 15
  - L/S 24
  - L/S 19
- **High-performance precision pump tubing**
  - L/S 15
  - L/S 24
  - L/S 19

<table>
<thead>
<tr>
<th>rpm</th>
<th>L/S 13</th>
<th>L/S 14</th>
<th>L/S 16</th>
<th>L/S 25</th>
<th>L/S 17</th>
<th>L/S 18</th>
<th>L/S 15</th>
<th>L/S 24</th>
<th>L/S 19</th>
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<tbody>
<tr>
<td>6 to 600</td>
<td>0.36 to 36</td>
<td>1.3 to 130</td>
<td>4.8 to 480</td>
<td>10 to 1000</td>
<td>17 to 1700</td>
<td>23 to 2300</td>
<td>10 to 1000</td>
<td>17 to 1700</td>
<td>23 to 2300</td>
</tr>
<tr>
<td>3 to 300</td>
<td>0.18 to 18</td>
<td>0.65 to 65</td>
<td>2.4 to 240</td>
<td>5 to 500</td>
<td>8.5 to 850</td>
<td>11.5 to 1150</td>
<td>5 to 500</td>
<td>8.5 to 850</td>
<td>11.5 to 1150</td>
</tr>
<tr>
<td>1 to 100</td>
<td>0.06 to 6</td>
<td>0.21 to 21</td>
<td>0.8 to 80</td>
<td>1.7 to 170</td>
<td>2.8 to 280</td>
<td>3.8 to 380</td>
<td>1.7 to 170</td>
<td>2.8 to 280</td>
<td>3.8 to 380</td>
</tr>
</tbody>
</table>

**Specifications & Ordering Information**

- **Accessories for 07528-series drives**
  - SN-07595-45 Connector, DB9 male. Use for 4 to 20 mA remote control.
  - SN-07595-47 Cable assembly, DB9 male connector and 25 ft (7.9 m) cable with stripped wire terminal ends. Use for remote control.
  - SN-77595-35 Foot switch, DB9 male.
  - SN-07523-98 Tilt bail, use to securely elevate front of drive.

**Complete L/S® Variable-Speed Pump Systems**

- **Pump Head** + **Tubing** + **Drive**

**Key**

<table>
<thead>
<tr>
<th>Catalog number</th>
<th>Description</th>
<th>Power (VAC, Hz)</th>
<th>Price</th>
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<tbody>
<tr>
<td>SN-77916-10</td>
<td>L/S Precision standard pump with Easy-Load® 3 pump head</td>
<td>90 to 260, 50/60</td>
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<tr>
<td>SN-77916-20</td>
<td>L/S Precision standard pump with Easy-Load® II pump head</td>
<td>90 to 260, 50/60</td>
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**Tubing Weights**

Flow-through weights of PTFE keep tubing in place in receiving vessel during dispense cycles. Fit Masterflex L/S tubing sizes noted.

<table>
<thead>
<tr>
<th>Catalog number</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>DY-78226-81</td>
<td>Weight for L/S 16, 15, and 25</td>
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<tr>
<td>DY-78226-82</td>
<td>Weight for L/S 17, 18, 24, 35, 36</td>
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<tr>
<td>DY-77310-03</td>
<td>Set of two; one each of 78226-81 and 78226-82</td>
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