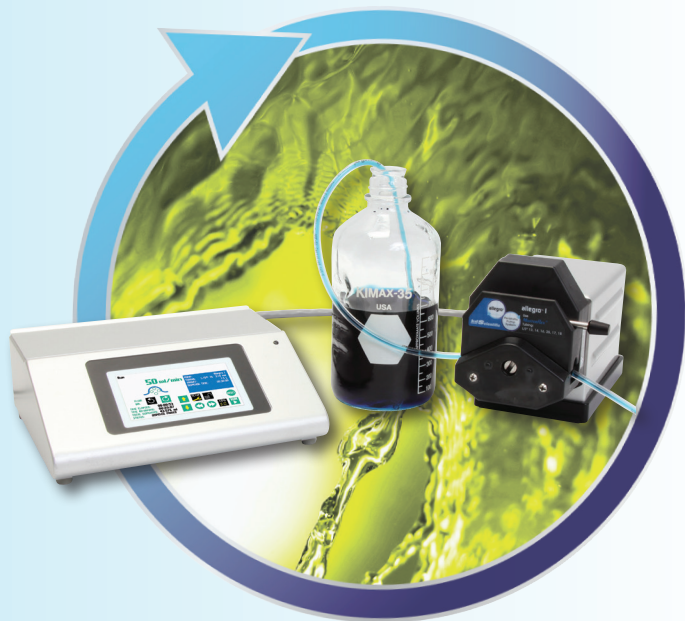


## **Allegro™ Peristaltic Pump System**

### **The Next Generation of Peristaltic Pumps**

The NEW KD Scientific Allegro™ Peristaltic Pump System allows maintenance free, continuous flow pumping of various liquids. The fluid contacts only the inside surface of the tubing negating concern for valves, O-rings or seals that might be incompatible with fluid being pumped. This makes the Allegro ideal for life science, industrial, research and food & beverage applications.

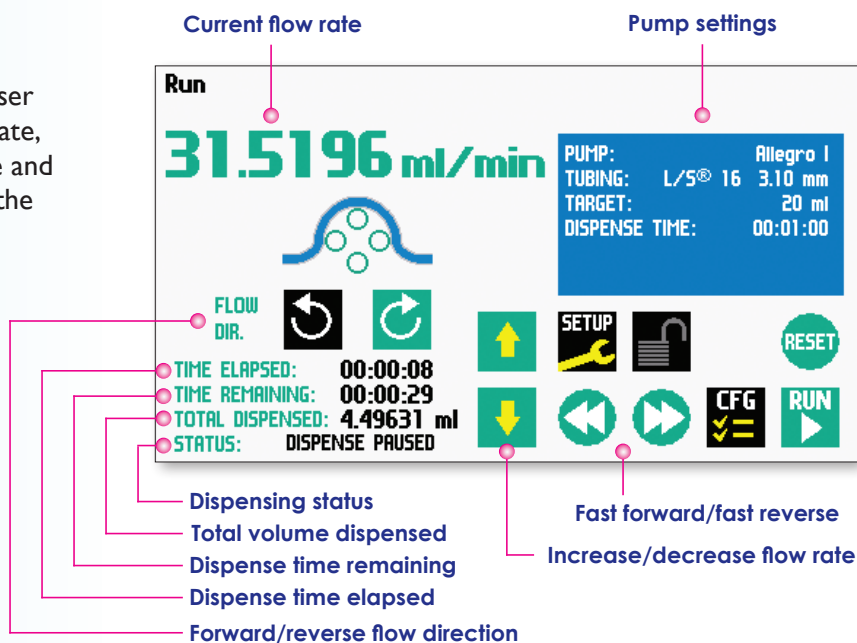


- Clearly displays flow rate and total dispensed volume
- User configurable multi-step operation
- Dispenses in forward or reverse direction
- Adjustable flow rate while pump is running
- Stackable sealed remote pump drive with IP 32 rating
- Selectable tubing table
- Automated tubing break-in
- Automated calibration procedures
- External connectivity with USB interface and I/O port
- Easy to maintain

### **Intuitive Touch Screen**

The Allegro™ touch display run screen presents the user with all key dispensing parameters in real time. Flow rate, flow direction, dispense status, total dispensed volume and tubing selection parameters are clearly presented on the high resolution touch screen display.

- Intuitive graphical interface and touch screen
- Flow rate and key parameters clearly displayed
- Internationally recognized icons
- All program settings are indicated on the touch screen
- Alarm indication and messages
- Pump diagnostic/information
- Display rotates with horizontal/vertical orientation



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The Allegro™ I, II & III are available as complete systems. An optional footswitch for remote start/stop, TTL communication cable for synchronous control and other accessories are available. Tubing is sold separately.

### Allegro™ System Ordering Information

Order #	Product Name	Description
<b>System</b>		
<b>785501</b>	Allegro™ I Peristaltic Pump System	Single channel, Masterflex® Pump Head, drive and controller
<b>785502</b>	Allegro™ II Peristaltic Pump System	Dual channel, Masterflex® Pump Head, drive and controller
<b>785503</b>	Allegro™ III Peristaltic Pump System	Two, single channel, Masterflex® Pump Head, drive and controller
<b>Accessories</b>		
<b>780225</b>	Allegro™ Footswitch	Footswitch with phono jack plug for Allegro™ I, II, & III
<b>785531</b>	Allegro™ I to III Conversion Kit	Single channel, thin wall tubing head and hardware
<b>785542</b>	Allegro™ Stacking Base	Allows two Allegro™ head/drive units to be vertically stacked
<b>788355</b>	TTL Communication Cable	Connects two Allegro™ controllers for programmable control

### Allegro™ Flow Rates

Tubing Size	Tubing ID	Maximum Flow Rate
<b>Allegra™ I</b>		
<b>LS® 13</b>	0.8 mm (0.03 in)	15 ml/min
<b>LS® 14</b>	0.6 mm (0.06 in)	60 ml/min
<b>LS® 16</b>	3.1 mm (0.12 in)	240 ml/min
<b>LS® 25</b>	4.8 mm (0.19 in)	520 ml/min
<b>LS® 17</b>	6.4 mm (0.25 in)	960 ml/min
<b>LS® 18</b>	7.9 mm (0.31 in)	1500 ml/min
<b>Allegra™ II</b>		
<b>LS® 13</b>	0.8 mm (0.03 in)	10 ml/min
<b>LS® 14</b>	0.6 mm (0.06 in)	40 ml/min
<b>LS® 16</b>	3.1 mm (0.12 in)	160 ml/min
<b>LS® 25</b>	4.8 mm (0.19 in)	360 ml/min
<b>Allegra™ III</b>		
<b>LS® 13</b>	0.8 mm (0.03 in)	10 ml/min
<b>LS® 14</b>	1.6 mm (0.06 in)	40 ml/min
<b>LS® 16</b>	3.1 mm (0.12 in)	160 ml/min
<b>LS® 25</b>	4.8 mm (0.19 in)	360 ml/min
<b>LS® 17</b>	6.4 mm (0.25 in)	640 ml/min
<b>LS® 18</b>	7.9 mm (0.31 in)	1000 ml/min

### Tubing Ordering Information

Order #	Tubing Size	Tubing ID	Description
<b>C-Flex® Ultra</b>			
<b>Characteristics</b> C-Flex® Ultra is a transparent tubing comprised of a silicone like material with the chemical compatibility of Tygon®.			
<b>Formulation:</b> Thermoplastic elastomer. Styrene-ethylene-butylene modified block copolymer with silicon oil.			
<b>Application Compatibility</b> Acids: <b>Good</b> • Alkalies: <b>Good</b> • Organic Solvents: <b>No</b> • Viscous Fluids: <b>Fair</b> Sterile Fluids: <b>Excellent</b>			
<b>785601</b>	L/S® 14	1.6 mm (0.06 in)	7.6 m (25 ft)/pk
<b>785602</b>	L/S® 16	3.1 mm (0.12 in)	7.6 m (25 ft)/pk
<b>785603</b>	L/S® 25	4.8 mm (0.19 in)	7.6 m (25 ft)/pk
<b>785604</b>	L/S® 17	6.4 mm (0.25 in)	7.6 m (25 ft)/pk
<b>785605</b>	L/S® 18	7.9 mm (0.31 in)	7.6 m (25 ft)/pk
<b>FDA Viton®</b>			
<b>Characteristics</b> FDA Viton® is an opaque, black tubing perfect for food applications where FDA compliance is required. Resistant to corrosives, solvents and oils at elevated temperatures.			
<b>Formulation:</b> Thermal set rubber. Viton® B (67% fluorine).			
<b>Application Compatibility</b> Acids: <b>Excellent</b> • Alkalies: <b>Excellent</b> • Organic Solvents: <b>Test First</b> Viscous Fluids: <b>Good</b> Sterile Fluids: <b>Fair</b>			
<b>785606</b>	L/S® 13	0.8 mm (0.03 in)	7.6 m (25 ft)/pk
<b>785607</b>	L/S® 14	1.6 mm (0.06 in)	7.6 m (25 ft)/pk
<b>785608</b>	L/S® 16	3.1 mm (0.12 in)	7.6 m (25 ft)/pk
<b>785609</b>	L/S® 25	4.8 mm (0.19 in)	7.6 m (25 ft)/pk
<b>785610</b>	L/S® 17	6.4 mm (0.25 in)	7.6 m (25 ft)/pk
<b>785611</b>	L/S® 18	7.9 mm (0.31 in)	7.6 m (25 ft)/pk
<b>Tygon® ELFL</b>			
<b>Characteristics</b> Tygon® ELFL is a clear tubing with long life and broad chemical resistance.			
<b>Formulation:</b> Thermoplastic. PVC based material with plasticizer. Firm transparent material.			
<b>Application Compatibility</b> Acids: <b>Good</b> • Alkalies: <b>Good</b> • Organic Solvents: <b>No</b> • Viscous Fluids: <b>Excellent</b> Sterile Fluids: <b>Good</b>			
<b>785612</b>	L/S® 13	0.8 mm (0.03 in)	7.6 m (25 ft)/pk
<b>785613</b>	L/S® 14	1.6 mm (0.06 in)	7.6 m (25 ft)/pk
<b>785614</b>	L/S® 16	3.1 mm (0.12 in)	7.6 m (25 ft)/pk
<b>785615</b>	L/S® 25	4.8 mm (0.19 in)	7.6 m (25 ft)/pk
<b>785616</b>	L/S® 17	6.4 mm (0.25 in)	7.6 m (25 ft)/pk
<b>785617</b>	L/S® 18	7.9 mm (0.31 in)	7.6 m (25 ft)/pk
<b>Tygon® E-Food</b>			
<b>Characteristics</b> Tygon® E-FOOD is a clear tubing designed especially for food products. The bore is smooth and the tubing is non-toxic.			
<b>Formulation:</b> Thermoplastic. PVC based material with plasticizer. Firm transparent material.			
<b>Application Compatibility</b> Acids: <b>Good</b> • Alkalies: <b>Good</b> • Organic Solvents: <b>No</b> • Viscous Fluids: <b>Excellent</b> Sterile Fluids: <b>Fair</b>			
<b>785618</b>	L/S® 13	0.8 mm (0.03 in)	15.2 m (50 ft)/pk
<b>785619</b>	L/S® 14	1.6 mm (0.06 in)	15.2 m (50 ft)/pk
<b>785620</b>	L/S® 16	3.1 mm (0.12 in)	15.2 m (50 ft)/pk
<b>785621</b>	L/S® 25	4.8 mm (0.19 in)	15.2 m (50 ft)/pk
<b>785622</b>	L/S® 17	6.4 mm (0.25 in)	15.2 m (50 ft)/pk
<b>785623</b>	L/S® 18	7.9 mm (0.31 in)	15.2 m (50 ft)/pk

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