

## SmallPumps™ SP200FOHD Fixed-Flow OEM Pumps

These peristaltic pumps are among the smallest, most powerful fixed-flow pumps in the market. Flow rates are available from 2.4 to 52 ml/min. They adapt easily to almost any fluid transfer application. Enjoy the benefits of peristaltic pumps in your metering application.

Select from four different tubing sizes and a variety of tubing materials. Norprene® tubing offers the longest pump life, Silicone is the softest with higher flow rates, Viton® provides excellent chemical resistance. New models available with optional ABS housing, power cords and on/off power switch.

These all-plastic pumps have SAN plastic housings, acetal rotor assembly with three nylon rollers. The continuous-duty shaded-pole Vac motors are not reversible. Silicone and Norprene pump systems are supplied with polypropylene fittings. Viton systems are supplied with PVDF fittings. One year warranty.

**All-plastic pump head  
Continuous-duty**



*Transfer fluids with  
the SP200.318  
peristaltic pump*

Pumps also  
available with  
 housings!

### SPECIAL FEATURES

*Fluid only contacts the tubing  
Self-priming, run dry without damage  
Fixed-flow 115 and 230Vac motors  
Pump viscous fluids and slurries  
Compact size*

### SPECIFICATIONS

|                         | Norprene                              | Silicone                       |
|-------------------------|---------------------------------------|--------------------------------|
| Max. Fluid Pressure:    | 30 psig (2 bar)                       | 10 psig (0.7 bar)              |
| Max. Suction Lift:      |                                       |                                |
| 0.8 and 1.6 mm ID       | 16-ft (4.8 m) H <sub>2</sub> O        | 16-ft (4.8 m) H <sub>2</sub> O |
| 3.0 and 5.0 mm ID       | 25-ft (7.5 m) H <sub>2</sub> O        | 25-ft (7.5 m) H <sub>2</sub> O |
| Flow Range:             | See ordering table (page 2)           |                                |
| Accuracy:               | ±5% full scale                        |                                |
| Repeatability:          | ±5% full scale                        |                                |
| Max. Fluid Temp.:       | 93°C (200°F)                          |                                |
| Duty Cycle:             | Continuous                            |                                |
| Operating Temp.:        | 0 to 50°C (32 to 122°F)               |                                |
| Enclosure:              | open motor systems; ABS optional      |                                |
| Wetted parts:           | Silicone, Norprene® or Viton®         |                                |
| Power:                  | 100-130Vac; 210-240Vac; 30W           |                                |
| Dimensions (W x H x D): | 60 x 70 x 66 mm (2.4 x 2.8 x 2.6 in.) |                                |
| (with ABS housing)      | 75 x 114 x 127 mm (3 x 4.5 x 5 in.)   |                                |
| Weight (pump):          | approx 1.15 kg (40 oz)                |                                |
| Shipping Wt:            | approx 1.4 kg (3 lbs)                 |                                |

### APPLICATIONS

*Chemical metering  
Detergent dispensing  
Condensate removal  
Salt water aquariums*

### SP200FOHD Max Flowrates (ml/min)

| Motor | Tubing ID (mm) |      |     |     |     |     |
|-------|----------------|------|-----|-----|-----|-----|
| RPM   | Vdc            | Amps | 5.0 | 3.0 | 1.6 | 0.8 |
| 55    | 115 or 230     | 30W  | 52  | 31  | 8   | 2.4 |

Flow rate listed are nominal and will vary depending upon fluid viscosity and back pressure. Specifications listed are for Norprene tubing. Silicone flow rates are approx 10-20% higher. Pumps operating at 50Hz will deliver 5/6 of the flow rate.

# SP200FOHD-Peri Pumps

NA - Not Available at this time

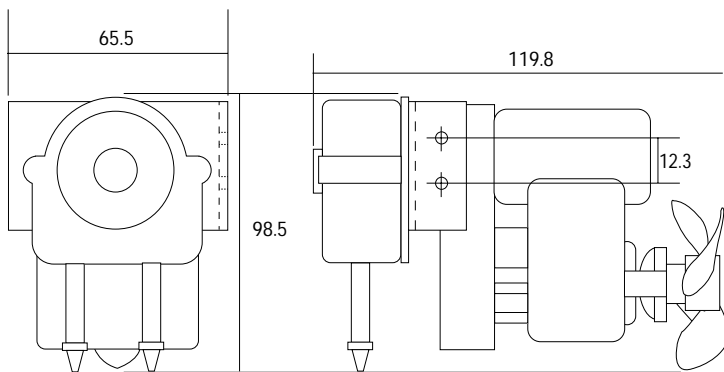
NR - Not Recommended

## SP200FOHD Ordering Information – (Flow rates listed are for Norprene tubing; Silicone is 10-20% higher).

| Flow<br>ml/min  | Tube<br>ID     | Pump<br>RPM | Norprene® | Pump Part No. |           |
|---|----------------|-------------|-----------|---------------|-----------|
|   |                |             |           | Silicone      | Viton®    |
| Fixed-flow Pumps; AC shaded-pole motors; non-reversible; 30 W |                |             |           |               |           |
| 115Vac/50-60Hz Pump Systems (60Hz flow rates are shown)       |                |             |           |               |           |
| 2.4   | 0.8 mm (1/32") | 55          | SP201.302 | SP200.302     | SP202.302 |
| 8   | 1.6 mm (1/16") | 55          | SP201.310 | SP200.310     | SP202.310 |
| 31*   | 3.0 mm (1/8")  | 55          | SP201.318 | SP200.318     | SP202.318 |
| 52  | 5.0 mm (3/16") | 55          | SP201.324 | SP200.324     | SP202.324 |
| 230Vac/50-60Hz Pump Systems (50Hz flow rates are shown)       |                |             |           |               |           |
| 2   | 0.8 mm (1/32") | 55          | SP201.303 | SP200.303     | SP202.303 |
| 6.4   | 1.6 mm (1/16") | 55          | SP201.311 | SP200.311     | SP202.311 |
| 26*   | 3.0 mm (1/8")  | 55          | SP201.319 | SP200.319     | SP202.319 |
| 43  | 5.0 mm (3/16") | 55          | SP201.325 | SP200.325     | SP202.325 |

Flow rate listed are nominal and will vary depending upon fluid viscosity and back pressure. Pumps operating at 50Hz will deliver 5/6 of the flow rate. Specifications listed are for Norprene tubing. Silicone flow rates are approx 10-20% higher. \*High Pressure optional tubing available. Other special tubing options are available on special order. Call for details.

## SP200FOHD Dimensions



All measurements are in mm.

### Customize your OEM pumps!

Order your OEM pump with an optional protective ABS plastic housing and power switch. 115Vac models include US Std plug. 230Vac models include European plug (other options avail). Add the following letter(s) to the p/n to include the options.

"C" ABS plastic housing (e.g. SP201C.318).

"CS" ABS plastic housing w/on-off switch (e.g. SP201CS.318).



Specifications subject to change.

APT Instruments provides no warranty on usage of pumps or life of tube. Immersion and life tests are recommended prior to use.

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