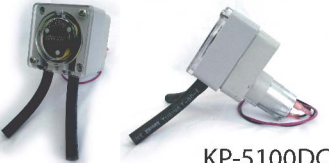
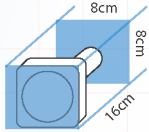

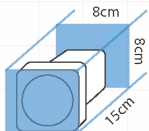
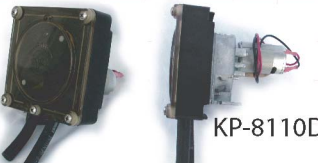
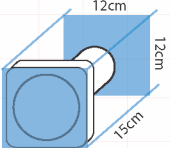
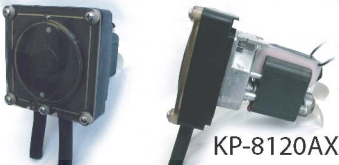
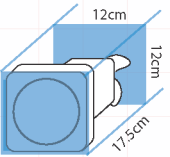
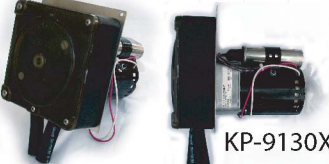
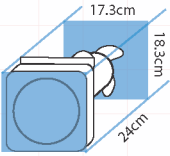


# Peristaltic Pumps

## Specification Sheet

Only the tube gets wet!

For liquid metering applications at low pressure a peristaltic pump is your best choice. Knight's range of variable (DC) and fixed speed (AC) pumps offers a wide range of flow rates and squeeze tubing for chemical and non-chemical applications. Choose the pump and squeeze tube from the tables below. Custom mounting brackets and special configurations are available upon request.

| Part Number   | Flow Rate*   | Tube**<br>Specif. | Speed<br>(RPM) | Max<br>Back<br>Press. | Volts    | Electrical<br>Amps | AC/DC | Suction<br>Lift | Delivery<br>Distance | Weight  | Fan<br>Cooled | Duty***<br>Cycle       | Approvals | Dimensions<br>(HxWxD)   |
|---|--|-------------------|----------------|-----------------------|----------|--------------------|-------|-----------------|----------------------|---------|---------------|------------------------|-----------|---|
| <br>KP-5100DCX<br>KP-5200DCX                            | 8155262 10 oz/min<br>8155362 20 oz/min   | T-50              | 100<br>200     | 15 PSI                | 24       | 400mA<br>800mA     | DC    | 7 ft            | 16 ft                | 3.8 lb. | NO            | Continuous             | N/A****   |    |
| <br>KP-5100X  | 7108262-03 10 oz/min   | T-50              | 100            | 15 PSI                | 240/50Hz | 1.5A               | AC    | 7 ft            | 16 ft                | 7.2 lb  | YES           | 5 min - On/30min - Off | ●         |    |
| <br>KP-8110DCX  | 8155462 34 oz/min  | T-55, T-66        | 110            | 15 PSI                | 24       | 800mA              | DC    | 7 ft            | 16 ft                | 7.8 lb  | YES           | Continuous             | N/A****   |    |
| <br>KP-8120AX<br>KP-8120AXP<br>KP-8120BX<br>KP-8120BXP | 8507752-03 23 oz/min<br>8600110-03 23 oz/min<br>8507754-03 40 oz/min<br>8600115-03 40 oz/min | T-66              | 120            | 15 PSI                | 240/50Hz | 1.5A               | AC    | 7 ft            | 16 ft                | 8.6 lb  | NO            | 5 min - On/30min - Off | ●         |   |
| <br>KP-9130XP<br>KP-9270XP                            | 8600116 155 oz/min<br>8600126 226 oz/min   | T-86              | 130<br>270     | 15 PSI                | 240/50Hz | 3.0A               | AC    | 7 ft            | 16 ft                | 11.5 lb | YES           | 5 min - On/30min - Off | ●         |  |

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\* Flow Rates are ±10% Dependent on Application. Other Flow Rates available upon request.  
 \*\* Delivery Distances can be extended. This will affect tube life performance.  
 \*\*\* Duty Cycles - Maximum DC Motor life is 2000 hours.  
 \*\*\*\* N/A - Assemblies meet the requirements of CE Directives (LVD & EMC) and can be approved as part of a complete system.  
 ● Approved by: CE, UL, TÜV, CUL(CSA)

# Peristaltic Squeeze Tubes Specification Sheet

Squeeze Tubes are available in a wide variety of rubber and synthetic materials. Select the appropriate material that matches the flow rate of the pump and chemical to be pumped. The chart below should be used as a reference tool only. Actual tube compatibility with chemical blends subject to environmental and "in situation" variables including: 1.head pressure 2.temperature 3.viscosity 4.chemical concentration

|                          | Model Number | Part Number | Dimensions (in)<br>ID x Wall x OD (Ref) | Roller Block   | Durometer | Description*   |
|--------------------------|--------------|-------------|---|----------------|-----------|--|
| <b>D</b><br>Duro         | T-50-D       | 7018055     | .25 x .13 x .52                         | RB-550         | 45/55     | The "D" compound is well suited to work with hydrocarbons, caustic, and acid solutions.  |
| <b>E</b><br>Elastic      | T-50-E       | 7018050     | .25 x .13 x .52                         | RB-550         | 45/55     | A resilient tube with excellent memory and field proven mechanical reliability. Compatible with weak to strong corrosive solutions including: alkalis, weak to medium acids, chlorine, and detergent compounds. Not suitable for solvents or mineral oils. |
|                          | T-51-E       | 7018020     | .11 x .20 x .52                         | RB-551         |           |  |
|                          | T-53-E       | 7018056     | .19 x .16 x .51                         | RB-553         |           |  |
|                          | T-66-E       | 7018066     | .35 x .13 x .62                         | RB-550, RB-850 |           |  |
| <b>EC</b><br>EC          | T-52-EC      | 7018065     | .31 x .10 x .52                         | RB-552         | 45/50     | A resilient tube with excellent memory and field proven mechanical reliability. Compatible with weak to strong corrosive solutions including: alkalis, weak to medium acids, chlorine, and detergent compounds. Not suitable for solvents or mineral oils. |
|                          |              |             |   |                |           |  |
| <b>F</b><br>Fluoro Viton | T-50-F       | 7018186     | .25 x .13 x .52                         | RB-550, RB-850 | 60 Max    | A fluoro-viton material designed to be compatible with hydrocarbon and natural solvents.   |
|                          | T-75-F       | 7018188     | .48 x .13 x .75                         | RB-975         |           |  |
| <b>M</b><br>Medsil       | T-50-M       | 7018000     | .25 x .13 x .52                         | RB-550, RB-850 | 45/50     | A silicone based tube good for general surfactant based cleaning products such as detergents and mild corrosives. Not suitable for solvents or oils.   |
|                          | T-51-M       | 7018023     | .11 x .20 x .52                         | RB-551         |           |  |
|                          | T-53-M       | 7018005     | .19 x .16 x .51                         | RB-553         |           |  |
|                          | T-66-M       | 7018010     | .35 x .13 x .62                         | RB-550, RB-850 |           |  |
|                          | T-86-M       | 7018015     | .48 x .19 x .86                         | RB-986         |           |  |
|                          |              |             |   |                |           |  |
| <b>S</b><br>Silicone     | T-50-S       | 7018210     | .25 x .13 x .52                         | RB-550         | 45/55     | A silicone based tube good for general surfactant based cleaning products such as detergents and mild corrosives. Not suitable for solvents or oils.   |
|                          | T-66-S       | 7018213     | .35 x .13 x .62                         | RB-550, RB-850 |           |  |
|                          | T-86-S       | 7018215     | .48 x .19 x .86                         | RB-986         |           |  |
| <b>SB</b><br>Silastic    | T-50-SB      | 7018084-11  | .25 x .13 x .52                         | RB-550, RB-850 | 45/50     | A strong, industrial-strength tube with superior acid-resistant and alkali-resistant qualities. Not suitable for solvents or oils.   |
|                          |              |             |   |                |           |  |
| <b>T</b><br>Thermistant  | T-50-T       | 7018100     | 6.4 x 3.4 x 13.2                        | RB-550, RB-850 | 50/55     | Generally resistant to strong to medium corrosive solutions including: acids, caustics, and chlorine. Not suitable for solvents or oils.   |
|                          | T-53-T       | 7018097     | 4.7 x 4.1 x 13.0                        | RB-553         |           |  |
|                          | T-66-T       | 7018106     | 8.9 x 3.4 x 15.7                        | RB-550, RB-850 |           |  |
|                          | T-86-T       | 7018108     | 12.2 x 4.8 x 21.8                       | RB-986         |           |  |

\* Knight only recommends potential solutions for tubing applications. All chemicals should be tested in their proposed applications and under proposed conditions.