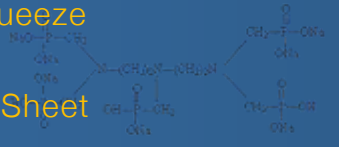


Peristaltic Squeeze TUBES Specification Sheet



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:

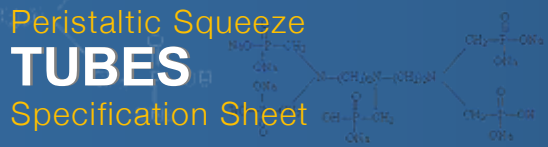
- 1.head pressure
- 2.temperature
- 3.viscosity
- 4.chemical concentration

	Model Number	Part Number	Dimensions (inch) ID X Wall x OD (ref)	Dimensions (mm) ID X Wall x OD (ref)	Length (inch)	Length (mm)	Roller Block	Description*
	T-50-BV	7018047	.25 x .13 x .52	6.4 x 3.4 x 13.2	BULK	BULK	RB-550, RB-850	The new BV tube is made of a new high grade Lexsis compound that is specifically designed to last with Peracetic Acid, Iron Sours, Sours, Neutralizers, Chlorine, and other Acids. Not suitable for Detergents, Oils, and Solvents
	T-50-BV	7018047-11	.25 x .13 x .52	6.4 x 3.4 x 13.2	11"	279.4 mm	RB-550, RB-850	
	T-50-BV	7018047-14	.25 x .13 x .52	6.4 x 3.4 x 13.2	14"	355.6 mm	RB-550, RB-850	
	T-66-BV	7018048	.35 x .13 x .62	8.9 x 3.4 x 15.7	BULK	BULK	RB-550, RB-850	
	T-66-BV	7018048-14	.35 x .13 x .62	8.9 x 3.4 x 15.7	14"	355.6 mm	RB-550, RB-850	
	T-50-D	7018055	.25 x .13 x .52	6.4 x 3.4 x 13.2	BULK	BULK	RB-550, RB-850	A resilient neoprene tube that is compatible with Alkalis, Builders, Breaks, Surfactants, and Detergent compounds. Not suitable for Solvents, Hydrocarbons, Caustic, and Acids
	T-50-D	7018045	.25 x .13 x .52	6.4 x 3.4 x 13.2	11"	279.4 mm	RB-550	
	T-50-D	7018046	.25 x .13 x .52	6.4 x 3.4 x 13.2	14"	355.6 mm	RB-550	
	T-50E	7018050	.25 x .13 x .52	6.4 x 3.4 x 13.2	BULK	BULK	RB-550, RB-850	The EPDM tube is resilient with excellent memory and field proven mechanical reliability. Compatible with weak to strong corrosive solutions including: Alkalis, Builders, Breaks, Surfactants, Detergent compounds, Chlorine, Iron Sours, weak to medium Acids, and Rinse Agents. Not suitable for oils and hydrocarbons.
	T-50E	7018051	.25 x .13 x .52	6.4 x 3.4 x 13.2	11"	279.4 mm	RB-550, RB-850	
	T-50E	7019060	.25 x .13 x .52	6.4 x 3.4 x 13.2	14"	355.6 mm	RB-550, RB-850	
	T-51E	7018021	.11 x .20 x .52	2.4 x x 13.2	BULK	BULK	RB-551	
	T-51E	7018020	.11 x .20 x .52	2.9 x 5.2 x 13.2	11"	279.4 mm	RB-551	
	T-53E	7018056	.19 x .16 x .51	4.7 x 4.1 x 13.0	BULK	BULK	RB-553	
	T-53E	7018063	.19 x .16 x .51	4.7 x 4.1 x 13.0	11"	279.4 mm	RB-553	
	T-66E	7018066	.35 x .13 x .62	8.9 x 3.4 x 15.7	BULK	BULK	RB-550, RB-850	
	T-66E	7018068	.35 x .13 x .62	8.9 x 3.4 x 15.7	14"	355.6 mm	RB-550, RB-850	
T-86E	7028662	.48 x .19 x .86	12.2 x 4.8 x 21.8	20"	508.0 mm	RB-986		
	T-50EP Plus	7018031	.25 x .13 x .52	6.4 x 3.4 x 13.2	BULK	BULK	RB-550, RB-850	EP Plus is an enhanced EPDM tube that is designed to last longer with Alkalis, Builders, Breaks, Surfactants, Detergent compounds, Chlorine, Iron Sours, weak to medium Acids, and Rinse Agents. Not suitable for oils and hydrocarbons
	T-50EP Plus	7018031-11	.25 x .13 x .52	6.4 x 3.4 x 13.2	11"	279.4 mm	RB-550, RB-850	
	T-66EP Plus	7018042	.35 x .13 x .62	8.9 x 3.4 x 15.7	BULK	BULK	RB-550, RB-850	
	T-66EP Plus	7018042-14	.35 x .13 x .62	8.9 x 3.4 x 15.7	14"	355.6 mm	RB-550, RB-850	
	T-50EH Plus	7018061	.25 x .06 x .38	6.5 x 1.5 x 9.7	BULK	BULK	6326023	EH tube is made with the new EPDM Plus material that is designed to last longer with Alkalis, Builders, Breaks, Surfactants, Detergent compounds, Chlorine, Iron Sours, weak to medium Acids, and Rinse Agents. Not suitable for oils and hydrocarbons
	T-50EH Plus	6326019	.25 x .06 x .38	6.5 x 1.5 x 9.7	5.71"	145.0 mm	6326023	
	T-53EH Plus	7117170	.13 x .06 x .25	3.3 x 1.5 x 6.4	BULK	BULK	6543023	
	T-53EH Plus	6543005	.13 x .06 x .25	3.3 x 1.5 x 6.4	5.65"	143.5 mm	6543023	

Hospitality Line

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

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:

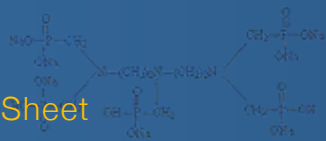
- 1.head pressure
- 2.temperature
- 3.viscosity
- 4.chemical concentration

	Model Number	Part Number	Dimensions (inch) ID X Wall x OD (ref)	Dimensions (mm) ID X Wall x OD (ref)	Length (inch)	Length (mm)	Roller Block	Description*
 F FLUORO VITON	T-50F	7018186	.25 x .13 x .52	6.4 x 3.4 x 13.2	BULK	BULK	RB-550, RB-850	A Fluoro-Viton material designed to be compatible with Acids, Caustics, Hydrocarbons, Oils, natural Solvents, and Di-limonene. Viton is a harder durometer tubing
	T-50F	7018086	.25 x .13 x .52	6.4 x 3.4 x 13.2	9"	228.6 mm	RB-550, RB-850	
	T-50F	7018089	.25 x .13 x .52	6.4 x 3.4 x 13.2	12.5"	317.5 mm	RB-550, RB-850	
	T-66-F	7018087	.35 x .13 x .62	8.9 x 3.4 x 15.7	12.5"	317.5 mm	RB-550, RB-850	
	T-75-F	7018188	.48 x .13 x .75	12.2 x 3.4 x 19.0	BULK	BULK	RB-975	
	T-75-F	7018088	.48 x .13 x .75	12.2 x 3.4 x 19.0	18.5"	469.9 mm	RB-975	
 M MEDSIL	T-50-M	7018000	.25 x .13 x .52	6.4 x 3.4 x 13.2	BULK	BULK	RB-550, RB-850	A commercial grade Silicone based tube good for Detergents, Alkalies, Chlorine, and mild Corrosives. Not suitable for Solvents or Oils.
	T-50-M	7018001	.25 x .13 x .52	6.4 x 3.4 x 13.2	11"	279.4 mm	RB-550, RB-850	
	T-50-M	7018002	.25 x .13 x .52	6.4 x 3.4 x 13.2	14"	355.6 mm	RB-550, RB-850	
	T-53-M	7018005	.19 x .16 x .51	4.7 x 4.1 x 13.0	BULK	BULK	RB-553	
	T-66-M	7018010	.35 x .13 x .62	8.9 x 3.4 x 15.7	BULK	BULK	RB-550, RB-850	
	T-66-M	7018011	.35 x .13 x .62	8.9 x 3.4 x 15.7	14"	355.6 mm	RB-550, RB-850	
	T-86-M	7018015	.48 x .19 x .86	12.2 x 4.8 x 21.8	BULK	BULK	RB-986	
	T-86-M	7018016	.48 x .19 x .86	12.2 x 4.8 x 21.8	20"	508.0 mm	RB-986	
 S SILICONE	T-50-S	7018210	.25 x .13 x .52	6.4 x 3.4 x 13.2	BULK	BULK	RB-550, RB-850	A Silicone based tube good for Detergents, Alkalies, Chlorine, and mild Corrosives. Not suitable for Solvents or Oils.
	T-50-S	7018211	.25 x .13 x .52	6.4 x 3.4 x 13.2	11"	279.4 mm	RB-550, RB-850	
	T-50-S	7018212	.25 x .13 x .52	6.4 x 3.4 x 13.2	14"	355.6 mm	RB-550, RB-850	
	T-66-S	7018213	.35 x .13 x .62	8.9 x 3.4 x 15.7	BULK	BULK	RB-550, RB-850	
	T-66-S	7018214	.35 x .13 x .62	8.9 x 3.4 x 15.7	14"	355.6 mm	RB-550, RB-850	
 T THERMISTANT	T-50-T	7018100	.25 x .13 x .52	6.4 x 3.4 x 13.2	BULK	BULK	RB-550, RB-850	The Santoprene based tube is generally resistant to strong to medium corrosive solutions including: Acids, Caustics, Chlorine, and Rinse agents. Not suitable for Oils and Hydrocarbons
	T-50-T	7018101	.25 x .13 x .52	6.4 x 3.4 x 13.2	11"	279.4 mm	RB-550, RB-850	
	T-50-T	7018102	.25 x .13 x .52	6.4 x 3.4 x 13.2	14"	355.6 mm	RB-550, RB-850	
	T-53-T	7018097	.19 x .16 x .51	4.7 x 4.1 x 13.0	BULK	BULK	RB-553	
	T-53-T	7018096	.19 x .16 x .51	4.7 x 4.1 x 13.0	11"	279.4 mm	RB-553	
	T-66-T	7018106	.35 x .13 x .62	8.9 x 3.4 x 15.7	BULK	BULK	RB-550, RB-850	
	T-66-T	7018105	.35 x .13 x .62	8.9 x 3.4 x 15.7	14"	355.6 mm	RB-550, RB-850	
	T-86-T	7018107	.48 x .19 x .86	12.2 x 4.8 x 21.8	20"	508.0 mm	RB-986	


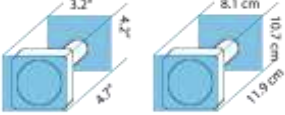

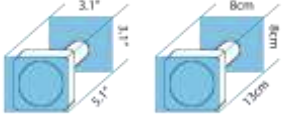

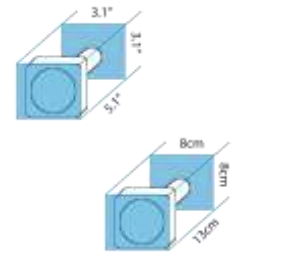

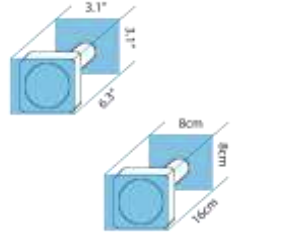


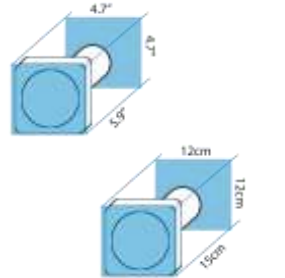
* Knight only recommends potential solutions for tubing applications. All chemicals should be tested in their proposed applications and under proposed conditions.

Peristaltic PUMPS

Specification Sheet



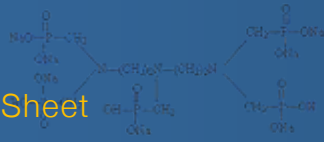
For liquid metering applications at low pressure a peristaltic pump is your best choice. Knight's range of variable (DC) and fixed speed (AC) pumps offers a wide range of flow rates and squeeze tubing for chemical and non-chemical applications. Choose the pump and squeeze tube from the tables below.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

	Part Number	Flow Rate**		Tube Specify	Speed (RPM)	Max Back Press.		Electrical			Suction Lift		Weight		Duty Cycle***	Dimensions	
		(oz/min)	(ml/min)			(PSI)	(BAR)	Volt	Amps	AC/DC	(ft.)	(M)	(lb.)	(kg)			
 Hospitality Line	6326020	16.9	500	T-50EH	xx	40 PSI	2.8 BAR	24	2A	DC	10 ft.	3M	3.8 lb	1.4kg	continuous		
	6543020	.135 - 1.96	4 to 58	T-53EH	xx	40 PSI	2.8 BAR	24	2A	DC	10 ft.	3M	3.8 lb	1.4kg	continuous		
 UMP Digital	KP-515X	9800002-BK	.1 to 1.5	3 to 45	T-53	15	30 PSI	2 BAR	24	400mA	DC	10 ft.	3M	3.8 lb	1.4 kg	continuous	
 OP Pro / OP Elite	KP-5100DCX	8080151	10	300	T-50	100	30 PSI	2 BAR	24	400mA	DC	10 ft.	3M	3.8 lb	1.4 kg	continuous	
	KP-5200DCX	8080152	20	600	T-50	200	30 PSI	2 BAR	24	800mA	DC	10 ft.	3M	3.8 lb	1.4 kg	continuous	
 On-Premise Plus	KP-5100DCX	8155262	10	300	T-50	100	30 PSI	2 BAR	24	400mA	DC	10 ft.	3M	3.8 lb	1.4 kg	continuous	
	KP-5200DCX	8155362	20	600	T-50	200	30 PSI	2 BAR	24	800mA	DC	10 ft.	3M	3.8 lb	1.4 kg	continuous	
  KP-5100XP w/ quick change panel	KP-5100X	7108262-*	7.7	227	T-50	100	30 PSI	2 BAR	See Note*	1.5A	AC	10 ft.	3M	7.2 lb	2.7 kg	5min - ON 30min - OFF	
	KP-5100XP	8600120-*	7.7	227	T-50	100	30 PSI	2 BAR	See Note*	1.5A	AC	10 ft.	3M	7.2 lb	2.7 kg	5min - ON 30min - OFF	
		*Add (-01) to Part no. for 115V 60Hz															
		*Add (-02) to part no. for 230V 60Hz															
		*Add (-03) to part no. for 230V 50Hz															

** Flow Rates are ± 10% Dependent on Application.
 *** Duty Cycles— Maximum DC Motor life is 2000 hours.

Peristaltic PUMPS

Specification Sheet



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.

Image	Part Number	Flow Rate**		Tube Specify	Speed (RPM)	Max Back Press.		Electrical			Suction Lift		Weight		Duty Cycle***	Dimensions
		(oz/min)	(ml/min)			(PSI)	(BAR)	Volt	Amps	AC/DC	(ft.)	(M)	(lb.)	(kg)		
 OP Pro / OP Elite	KP-8110DCX 8080109	36	1065	T-66	110	30 PSI	2 BAR	24	800mA	DC	10 ft.	3M	7.8 lb	2.9 kg	continuous	
 Chem-Trak Jr.	KP-8110DCX 8155462	36	1065	T-66	110	30 PSI	2 BAR	24	800mA	DC	10 ft.	3M	7.8 lb	2.9 kg	continuous	
 KP-8120AX 8507752-* KP-8120AXP 8600110-* w/ quick change panel KP-8120BX 8507754-* KP-8120BXP 8600115-* w/ quick change panel	8507752-* 8600110-* 8507754-* 8600115-*	23	650	T-66	120	30 PSI	2 BAR	See Note*	1.5A	AC	10 ft.	3M	8.6 lb	3.2 kg	5min - ON 30min - OFF	
*Add (-01) to Part no. for 115V 60Hz *Add (-02) to part no. for 230V 60Hz *Add (-03) to part no. for 230V 50Hz																
 KP-9130XP 8600116-* w/ quick change panel KP-9270XP 8600126-* w/ quick change panel	8600116-* 8600126-*	155	4588	T-86	130	30 PSI	2 BAR	See Note*	3.0 A	AC	10 ft	3M	11.5 lb	4.3 kg	5min - ON 30min - OFF	
*Add (-01) to Part no. for 115V 60Hz *Add (-02) to part no. for 230V 60Hz *Add (-03) to part no. for 230V 50Hz																

** Flow Rates are ± 10% Dependent on Application.
 *** Duty Cycles— Maximum DC Motor life is 2000 hours.