Sponsor eShowcase: Peristaltic Pumps – Tubing Selection

Wednesday, May 14, 2015 1:00 - 1:45 pm ET







FL	.EX-PRO.	Peristaltic Pump Tube Selection							
	Chlorination	Can run dry, prime under pressure and pump out accumulated gases.							
	Slurries	• Can pump viscous fluids (12,000 cP) with a high specific gravity and high concentration of solids such as lime and carbon slurries.							
	Polymers	• Perfect for easily damaged, sensitive fluids such as flocculants & coagulants - water or oil based polymers.							
	Particulates	Can pump fluids containing particulates such as calcium hypochlorite.							
	Corrosive fluids	 Ideal for corrosive chemicals including high concentration acids and aggressive alkalis. Only the pump tube material and connectors contact the chemical. 							
Pro	by Blue-White Ind.								

FLEX-P	Peristaltic Pump Tube Selection					
Peristaltic Pump Components						
	Pump Tube					
	Pump Head and Roller					
	Motor					
	Control Electronics					
Enclosure						
ProSerie by Blue-White Inc	S a					







FLE	X-PRO.	Peristaltic	Pump Tube	Selection			
Tube Assembly							
Variables Affecting Tube Performance							
	APPLICATION VARIABLES	TUBING CHARACTERISTICS					
		Tube Diameter	Material Formulation	Material Stiffness			
	Discharge Pressure	Х		Х			
	Output Volume	Х					
	Chemical		Х				
	-	-			•		
Pro5	e-White Ind.						



FLE	X-P	٦O		Peristal	tic Pump	Tube S	election	
Tubing Characteristics								
			_					
		Flore		ia Duman Tubi	na Ontions			
Material	Tube	Flex- Tube	Tube	Tube	ng Options Maximum	Pressure	Capability	Мах
Designation	Material	Size	Size	Stiffness	A2	A3	A4	Temp
Code	Material	Code	ID Inches	Code	PSI (bar)	PSI (bar)	PSI (bar)	F (C)
ND	Norprene	D	0.075	Medium	125 (8.6)	125 (8.6)	NA	185 (85)
NEE	Norprene	EE	0.093	Medium	110 (7.6)	110 (7.6)	NA	185 (85)
NGG	Norprene	GG	0.187	Medium	110 (7.6)	110 (7.6)	NA	185 (85)
NHL	Norprene	HL	0.250	Medium	65 (4.5)	65 (4.5)	65 (4.5)	185 (85)
NJ	Norprene	J	0.312	Hard	NA	125 (8.6)	100 (6.9)	185 (85)
	Norpropo	ĸ	0.375	Hard	NA	125 (8.6)	80 (5.5)	185 (85)
NK	Norprene	1.41				00 (0 1)	00 (0 1)	405 (05)
NK NKL	Norprene	KL	0.375	Soft	NA	30 (2.1)	30 (2.1)	185 (85)
NK NKL NL	Norprene Norprene	KL L	0.375 0.500	Soft Medium	NA NA	30 (2.1) NA	30 (2.1) 50 (3.4)	185 (85) 185 (85) 185 (85)
NK NKL NL NP	Norprene Norprene Norprene	KL L P	0.375 0.500 0.750	Soft Medium Medium	NA NA NA	30 (2.1) NA NA	30 (2.1) 50 (3.4) 30 (2.1)	185 (85) 185 (85) 185 (85) 130 (54)
NK NKL NL TH	Norprene Norprene Norprene Norprene Chemical	KL L P H	0.375 0.500 0.750 0.250 0.375	Soft Medium Medium Medium	NA NA NA 50 (3.4)	30 (2.1) NA NA 50 (3.4)	30 (2.1) 50 (3.4) 30 (2.1) 30 (2.1)	185 (85) 185 (85) 185 (85) 130 (54) 130 (54)
NK NKL NL NP TH TH GE	Norprene Norprene Norprene Norprene Chemical Norprene Chemical	KL P H K	0.375 0.500 0.750 0.250 0.375 0.125	Soft Medium Medium Medium Medium	NA NA 50 (3.4) NA 65 (4.5)	30 (2.1) NA NA 50 (3.4) 50 (3.4) 65 (4.5)	30 (2.1) 50 (3.4) 30 (2.1) 30 (2.1) 30 (2.1)	185 (85) 185 (85) 185 (85) 130 (54) 130 (54) 130 (54)
NK NKL NP TH TK GE GG	Norprene Norprene Norprene Norprene Chemical Norprene Chemical Tygothane	KL P H K E G	0.375 0.500 0.750 0.250 0.375 0.125 0.187	Soft Medium Medium Medium Medium Medium	NA NA 50 (3.4) NA 65 (4.5) 65 (4.5)	30 (2.1) NA 50 (3.4) 50 (3.4) 65 (4.5) 65 (4.5)	30 (2.1) 50 (3.4) 30 (2.1) 30 (2.1) 30 (2.1) NA NA	185 (85) 185 (85) 185 (85) 130 (54) 130 (54) 130 (54) 130 (54)
NK NKL NP TH TK GG GH	Norprene Norprene Norprene Chemical Norprene Chemical Tygothane Tygothane Tygothane	KL P H K E G H	0.375 0.500 0.750 0.250 0.375 0.125 0.187 0.250	Soft Medium Medium Medium Medium Medium Medium	NA NA 50 (3.4) NA 65 (4.5) 65 (4.5) NA	30 (2.1) NA 50 (3.4) 50 (3.4) 65 (4.5) 65 (4.5) 65 (4.5)	30 (2.1) 50 (3.4) 30 (2.1) 30 (2.1) 30 (2.1) NA NA 65 (4.5)	185 (85) 185 (85) 185 (85) 130 (54) 130 (54) 130 (54) 130 (54) 130 (54)

FLEX-PRO	Peristaltic Pump	Tube Selection
	Material Formulation	
Nor	prene® & Flex-A-Pren	€®
	Use for most applications	
12.5% Sodium Hypochlorite 50% Sodium Hydroxide (Caustic) Liquid Ammonium Sulfate Calcium Hydroxide (Lime Slurry)	50% Sulfuric Acid HydroFluosilicic Acid (Flouride) Calcium Chloride Zinc Sulfate	Aluminum Sulfate (Alum) Polyaluminum Chloride (PAC) Calcium Hypochlorite Sodium Bisulfite
	Not for use with oil based fluids	
	Tygothane® Tubes	
Excelle	ent for oil based fluid applica	tions
Polymers Aluminum Sulfate (Alum)	Inks Calcium Chloride	limonene-D Sodium Bisulfite
	Norprene Chemical®	
	Use for Strong Acids	
98% Sulfuric Acid	Peracetic Acid	































FLE	X-PRO.	Peristaltic	Pump Tube	Selection			
Re-cap							
Variables Affecting Tube performance							
	APPLICATION VARIABLES	TUBING CHARACTERISTICS					
		Tube Diameter	Material Formulation	Material Stiffness			
	Discharge Pressure	Х		Х			
	Output Volume	Х					
	Chemical		Х				
Pro5	e-White Ind.				•		



