

2- and 3-Stop Color-Coded Tubing for Ismatec® Pumps

Don't confuse your tubing—
color-coded stops for easy identification

STEP 1: Choose a tubing material & select the catalog number prefix.

Make sure to choose 2-stop or 3-stop tubing based on what your pump uses!

STEP 3: Complete your system with extension tubing.

Connect stopped and extension tubing with barbed fittings or splicing.

Material	Description	Suffixes for the available sizes	Tubes/pk (length)	2-Stop Tubing		3-Stop Tubing		Extension Tubing		
				Catalog number prefix	Price/pk*	Catalog number prefix	Price/pk*	Catalog number prefix	Length/pk	Price/pk*
Tygon® E-LFL	<ul style="list-style-type: none"> Complies with USP Class VI, EP, FDA, EU food, REACH, RoHS, ADCF Longest life of all Tygon formulations Broad chemical resistance 	10, 12, 18, 26, 30, 34, 42, 48	12 (16")	GH-96449-XX		GH-96450-XX		GH-06449-XX	100 ft	
Tygon® E-Food	<ul style="list-style-type: none"> Complies with FDA, EU Food, NSF, 2A, REACH, RoHS, ADCF Smooth inner surface; nontoxic 	10, 12, 18, 26, 30, 34, 42, 48	12 (16")	GH-96457-XX		GH-96458-XX		GH-06457-XX	100 ft	
Tygon® E-Lab	<ul style="list-style-type: none"> Complies with USP Class VI, FDA, EU Food, NSF, REACH, RoHS, ADCF Ideal for general transfer applications Nonaging, nonoxidizing, low gas permeability 	10, 12, 18, 26, 30, 34, 42, 48	12 (16")	GH-96460-XX		GH-96461-XX		GH-06460-XX	100 ft	
Silicone (peroxide cured)	<ul style="list-style-type: none"> Complies with USP Class VI, EP, FDA, 3A, REACH, RoHS, ADCF Greater physical compression capability Economical, long tubing life 	22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48	6 (16")	GH-07616-XX		GH-07624-XX		GH-07625-XX	50 ft	
Silicone (platinum cured)	<ul style="list-style-type: none"> Complies with USP Class V, EP, FDA, REACH, RoHS, ADCF Low protein binding, fungus-resistant, phthalate and latex free 	22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48	6 (16")	GH-95602-XX		GH-95603-XX		GH-95612-XX	50 ft	
Viton®	<ul style="list-style-type: none"> Complies with FDA, ADCF Resists corrosives, solvents, and oils at elevated temperatures 	26, 30, 34, 38, 42, 46, 48	12 (12")	GH-97628-XX		GH-97629-XX		GH-97632-XX	50 ft	
PharMed® BPT	<ul style="list-style-type: none"> Complies with USP Class VI, EP, FDA, NSF, REACH, RoHS Over 10,000 hours of tubing life, sealable, weldable 	12, 18, 26, 32, 36, 40, 42, 44, 48	12 (16")	GH-95713-XX		GH-95714-XX		GH-95809-XX	100 ft	
Autoclavable PharMed® BPT	<ul style="list-style-type: none"> Ideal for tissue and cell culture work 	12, 32, 48	6 (16")	GH-95692-XX		GH-95693-XX				
PVC Solvent/hydrocarbon	<ul style="list-style-type: none"> Resistant to ozone and UV light Resists to cracking, swelling, hardening Ideal for fuels, distillates, lubricants, and glycol-based coolants 	10, 12, 14, 18, 26, 30, 32, 34, 36, 40, 42, 48	12 (16")	GH-95606-XX		GH-95605-XX		GH-95712-XX	50 ft	
MHLL	<ul style="list-style-type: none"> Suitable for acetone, MEK, and other highly aggressive chemicals Long life and outstanding fatigue resistance 	24, 30, 36, 42, 48	6 (16")	GH-96427-XX		GH-96425-XX		None (PharMed BPT recommended for extension tubing; see 95809-XX above)		

STEP 2:

Find your desired flow rate and select the catalog number suffix (see page 663 for more).

Flow rate† (mL/min) with Fixed-Speed Pumps (page 660)										Catalog number suffix	ID (mm)	Color-coded stops
78012-00	78012-20	78012-30	78012-40	78012-45	78012-50	78012-55	78012-60	78012-80	78012-90			
0.047	0.14	0.047	0.093	0.093	0.056	0.056	0.11	0.17	0.056	-10	0.19	O/R
0.081	0.24	0.08	0.16	0.16	0.1	0.1	0.19	0.29	0.1	-12	0.25	O/B
0.19	0.56	0.19	0.37	0.37	0.22	0.22	0.43	0.65	0.22	-14	0.38	O/G
0.25	0.75	0.25	0.5	0.5	0.29	0.29	0.58	0.86	0.29	-16	0.44	G/Y
0.34	1	0.34	0.67	0.67	0.38	0.38	0.77	1.2	0.38	-18	0.51	O/Y
0.52	1.6	0.52	1	1	0.6	0.6	1.2	1.8	0.6	-22	0.64	O/W
0.73	2.2	0.73	1.5	1.5	0.84	0.84	1.7	2.5	0.84	-24	0.76	Bk/Bk
1	2.9	1	2	2	1.1	1.1	2.3	3.4	1.1	-26	0.89	O/O
1.3	3.8	1.3	2.5	2.5	1.5	1.5	2.9	4.4	1.5	-28	1.02	W/W
1.6	4.7	1.6	3.1	3.1	1.8	1.8	3.6	5.4	1.8	-30	1.14	R/R
2	5.9	2	3.9	3.9	2.3	2.3	4.6	6.9	2.3	-32	1.3	GR/GR
2.3	6.8	2.3	4.6	4.6	2.7	2.7	5.4	8	2.7	-34	1.42	Y/Y
2.6	7.7	2.6	5.1	5.1	3	3	6	9.1	3	-36	1.52	Y/B
2.9	8.8	2.9	5.8	5.8	3.5	3.5	6.9	10	3.5	-38	1.65	B/B
3.5	10	3.5	7	7	4.2	4.2	8.4	13	4.2	-40	1.85	G/G
4.1	12	4.1	8.2	8.2	5	5	10	15	5	-42	2.06	P/P
4.8	14	4.8	9.5	9.5	5.8	5.8	12	17	5.8	-44	2.29	P/Bk
5.5	16	5.5	11	11	6.6	6.6	13	20	6.6	-46	2.54	P/O
6.2	19	6.2	12	12	7.4	7.4	15	22	7.4	-48	2.79	P/W

†Flow ranges (mL/min) are nominal. Actual flow depends on factors such as occlusion, fluid viscosity, temperature, and pressure

