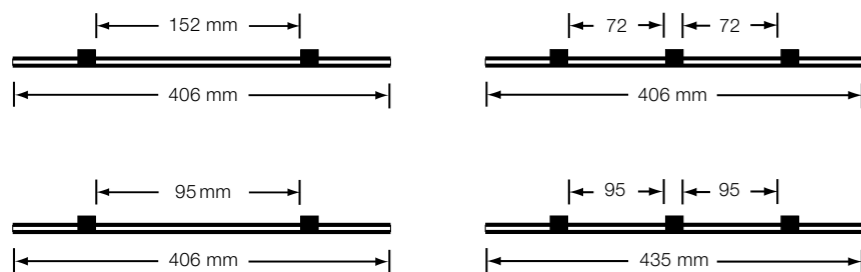


## TYPICAL DIMENSIONS (2 CLIPS / 3 CLIPS)



## ORDER INFORMATION

Standard length: 406 mm | Order unit includes: 12 pcs. | Tygon® MH and FKM tubing on request.

**More tubing specifications are available** – also customized clip positions and distances. Please contact us!

## OPTIONS

**Flared Ends:** For more convenient connection, tubings are also available with flared ends (except FKM and Santoprene™).

**Coil Ware:** Buy tubings without clips as coil with 3 m or 10 m length.

## PERISTALTIC PUMPS AND TUBINGS

Contamination-free, precisely and reliable transportation of liquids



			PVC			Solvent Flex			Santoprene™		
Number of Clips : Clip Distance (mm):			2 152 mm	3 72 mm	3 95 mm	2 152 mm	3 72 mm	3 95 mm	2 152 mm	3 72 mm	3 95 mm
Clip Color	ID (mm)	Part No.									
Flared End Tubing (recommended for ID <1 mm)	Orange Black	0,13	S22-005	S22-205	S221-205						
	Orange Red	0,19	S22-010	S22-210	S221-210						
	Orange Blue	0,25	S22-015	S22-215	S221-215						
	Orange Green	0,38	S22-020	S22-220	S221-220	S24-020	S24-220	S241-220			
	Green Yellow	0,44	S22-022	S22-222	S221-222						
	Orange Yellow	0,51	S22-025	S22-225	S221-225	S24-025	S24-225	S241-225			
	Orange White	0,64	S22-030	S22-230	S221-230	S24-030	S24-230	S241-230			
	Black Black	0,76	S22-032	S22-232	S221-232	S24-032	S24-232	S241-232			
	Orange Orange	0,89	S22-035	S22-235	S221-235	S24-035	S24-235	S241-235			
	White White	1,02	S22-040	S22-240	S221-240	S24-040	S24-240	S241-240			
	Red Red	1,14	S22-043	S22-243	S221-243	S24-043	S24-243	S241-243			
	Grey Grey	1,3	S22-046	S22-246	S221-246	S24-046	S24-246	S241-246			

Non-flared End Tubing (recommended for ID >1 mm)	Orange Blue	0,25							S26-015	S26-215	S261-215
	Orange Green	0,38							S26-020	S26-220	S261-220
	Orange Yellow	0,51							S26-025	S26-225	S261-225
	Orange White	0,64							S26-030	S26-230	S261-230
	Black Black	0,76	S21-032	S21-232	S211-232	S23-032	S23-232	S231-232	S26-032	S26-232	S261-232
	Orange Orange	0,89	S21-035	S21-235	S211-235	S23-035	S23-235	S231-235	S26-035	S26-235	S261-235
	White White	1,02	S21-040	S21-240	S211-240	S23-040	S23-240	S231-240	S26-040	S26-240	S261-240
	Red Red	1,14	S21-043	S21-243	S211-243	S23-043	S23-243	S231-243	S26-043	S26-243	S261-243
	Grey Grey	1,3	S21-046	S21-246	S211-246	S23-046	S23-246	S231-246	S26-046	S26-246	S261-246
	Yellow Yellow	1,42	S21-050	S21-250	S211-250	S23-050	S23-250	S231-250	S26-050	S26-250	S261-250
	Yellow Blue	1,52	S21-052	S21-252	S211-252	S23-052	S23-252	S231-252	S26-052	S26-252	S261-252
	Blue Blue	1,65	S21-055	S21-255	S211-255	S23-055	S23-255	S231-255	S26-055	S26-255	S261-255
	Blue Green	1,75	S21-058	S21-258	S211-258	S23-058	S23-258	S231-258	S26-058	S26-258	S261-258
	Green Green	1,85	S21-060	S21-260	S211-260	S23-060	S23-260	S231-260	S26-060	S26-260	S261-260
	Violet Violet	2,06	S21-065	S21-265	S211-265	S23-065	S23-265	S231-265	S26-065	S26-265	S261-265
	Violet Black	2,29	S21-067	S21-267	S211-267	S23-067	S23-267	S231-267	S26-067	S26-267	S261-267
	Violet Orange	2,54	S21-070	S21-270	S211-270	S23-070	S23-270	S231-270	S26-070	S26-270	S261-270
	Violet White	2,79	S21-078	S21-278	S211-278	S23-078	S23-278	S231-278	S26-078	S26-278	S261-278
Black White	3,18	S21-080	S21-280	S211-280	S23-080	S23-280	S231-280	S26-080	S26-280	S261-280	

### HIGH PRECISION TRANSPORTATION OF LABORATORY LIQUIDS

Peristaltic pumps are successfully used in preparative and analytical chemistry, biochemistry, biotechnology and production environments. They are reliable, easy to use and to maintain. Contact between pump mechanism and the transported liquids is completely avoided. A wide range of suitable pump tubing in different diameters and materials are available.

### BENEFITS FOR YOUR WORK

- :: Low pulsation
- :: Very constant speed
- :: Reliable longterm operation
- :: External control possible in all models
- :: Wide range of tubing materials and diameters available
- :: Rugged design and acid-resistant coating

## PERISTALTIC PUMPS

Highest precision combined with easy operation and maintenance

The peristaltic pumps are very simple to operate. Compression of the pump tubing can be regulated separately for all channels by fine screws on the pressure lever. Function keys for On/Off and Right/Left rotation are provided. Rotational speed is regulated by a 10-turn potentiometer with a three digit digital indicator (000-999) to ensure constant and reproducible liquid delivery. External control of pump operation (speed and direction) is possible in all models via a D-Sub 9 Pin connector.



### PERIMAX 12

The Perimax 12 is a multipurpose, easy-to-use pump for the transportation of inorganic and organic fluids.

- :: 12 rollers pump head
- :: Pump heads available for 1, 2, 4 or 6 channels
- :: Individually adjustable channels accommodate a wide variety of tubing materials and diameters
- :: Footprint 160 x 160 mm
- :: Weight 4–5 kg (depending on number of channels)



### PERIMAX 16 (ANTIPULS)

The Perimax 16 ensures an almost complete pulsation-free flow due to phase-shifted rollers.

- :: 16 rollers pump head (two half channels with 8 rollers each)
- :: 2 pulsation free channels or 1 pulsation free and 2 pulsating channels or 4 pulsating channels can be used with the same pump head
- :: Footprint 160 x 160 mm
- :: Weight 4–5 kg (depending on number of channels)

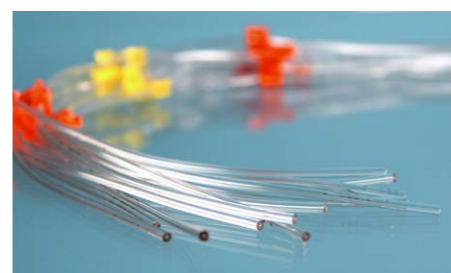
#### PUMP FEATURES AT A GLANCE

- :: Rotational speed continuously variable
- :: Speed range from 1 to 33 rounds per minute
- :: Very constant and reproducible rotational speed
- :: Switchable rotational direction left/right
- :: High-speed key for maximum rotation speed
- :: Fine adjustment of lever pressure

## PERISTALTIC PUMP TUBING

Tubing materials to suit your applications

Versatile for virtually every application, ROHS and REACH compliant, free from DEHP and phthalates, available in a multitude of materials given below:



### PVC STANDARD

- :: Cost-efficient PVC all-round tubing
- :: For aqueous solutions and diluted acids
- :: Low gas permeability

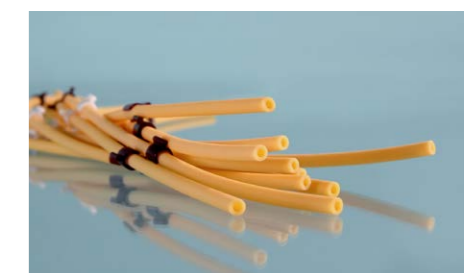
Temperature range: +5 to +40 °C



### PVC SOLVENT FLEX

- :: Special PVC formulation
- :: Resistant to organic solvents like aliphates (naphta), alcohols or glycol-based coolants
- :: High durability and low gas permeability

Temperature range: +5 to +40 °C



### SANTOPRENE™

- :: Thermoplastic elastomer formulation
- :: Non-toxic and non-haemolytic for cell cultures, fermentation etc.
- :: Longer service life than PVC
- :: Meets NFS standard 51

Temperature range: -40 to +125 °C



### FLUORELASTOMER (FKM/FPM)

- :: Resistant to hydrocarbons and aggressive chemicals like concentrated acids and bases
- :: Stable against UV-radiation and ozone

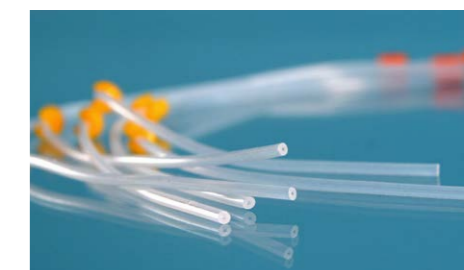
Temperature range: -20 to +200 °C



### TYGON® MH

- :: Polyolefin formulation
- :: Free from plasticizers and additives, resistant to solvents, MIBK and other ketones
- :: Highest purity, especially suitable for MS applications

Temperature range: -70 to +57 °C



### SILICONE

- :: For diluted acids
- :: High durability
- :: Autoclavable

Temperature range: -60 to +200 °C