

STA-PURE™

Pump Tube

High pressure tubing yields improved performance.



High pressure, stable flow rate & durability

STA-PURE™ peristaltic tube is superior in performance to any other tube available today. This new peristaltic pump tube operates at pressures as high as 60 psi, lasts 18 times longer than silicone tubing and has stable flow rates over its extended life.

The STA-PURE™ peristaltic pump tube has passed USP Class VI cytotoxicity and physiochemical testing. An FDA Type II Material Master File is also available for citation.

Unique Structure

The unique composite construction gives STA-PURE™ peristaltic pump tubes very high hoop strength, producing highest pressure ratings. This enables high pressure pumping and burst strength far in excess of unreinforced silicone rubber and thermoplastic elastomer tubing. With burst strength exceeding 200 psi, the tubing can operate at elevated pressures for filtration and transfer.

Technical Data

Material:

Proprietary composite material:
Platinum Cured Silicone &
Expanded PTFE

Burst Resistance:

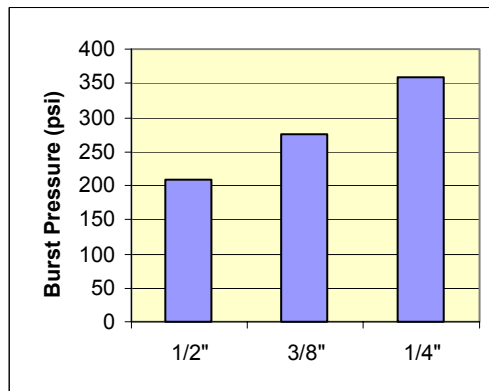
Lasts a minimum of 50 hours with continuous use @ 600 rpm and back pressure of 60 psi.

Operating Pressure

Up to 100 psi

Durability

Lasts 18 times longer than silicone



Burst pressures of STA-PURE™ pump tubes of various bores.

Peristaltic pump tubing

Key Features

- Unique composite material
- Very high hoop strength
- High resilience; maintains original shape over time
- Compatible with sanitary fittings
- Easy installation with intrinsic flexibility
- USP Class VI approved
- Cited in FDA Type II Material Master File.

Key Benefits

- Enables continuous high pressure pumping
- Less downtime from premature tube rupture and replacement
- Maintain stable flow rate
- Superior longevity
- Increased process consistency

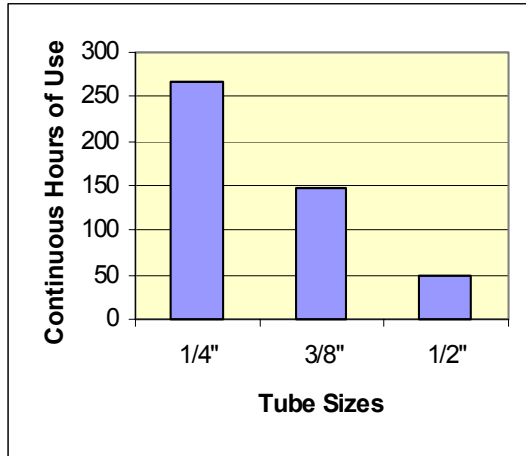


STA-PURE™ PERISTALTIC PUMP TUBE

Peristaltic pump tubing

Long Life eliminates tube rotation

The exceptional longevity of the STA-PURE™ peristaltic pump tube is particularly beneficial for tangential flow filtration and other high pressure applications. At a back pressure of 60 psi, this pump tube lasts a minimum of 50 hours with continuous use at 600 rpm.



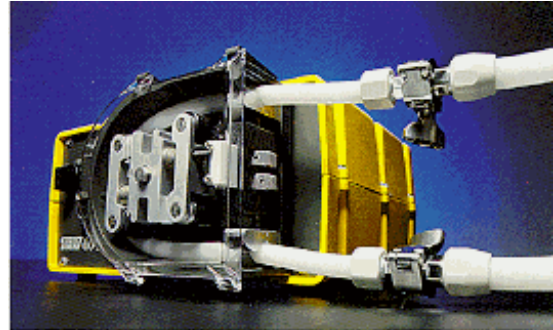
Tube life under operating conditions (back pressure 60 psi, pump speed 600 rpm, 22-27° C)

STA-PURE™

PERISTALTIC PUMP TUBES

Easy Operation

Because STA-PURE™ peristaltic pump tube lasts so long in use, you can expect fewer unanticipated tube ruptures. This will reduce the need to constantly watch the pump while filtering expensive product. It also reduces the need to frequently rotate the tube through the pump head for rupture control.



STA-PURE™ peristaltic pump tube equipped with sanitary fittings and loaded into a Watson Marlow model 604 pump.

Excellent flow rate stability over time

The composite structure is quite robust and will maintain its resilience and original shape during extended use. This leads to excellent flow rate stability over time. The variability in flow rate of STA-PURE™ pump tubing is within 1% during the life of the tube. The customer benefit is less operator intervention and process consistency.

Sizes

Available in sizes up to 50 mm ID.



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Latin America/S. America

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