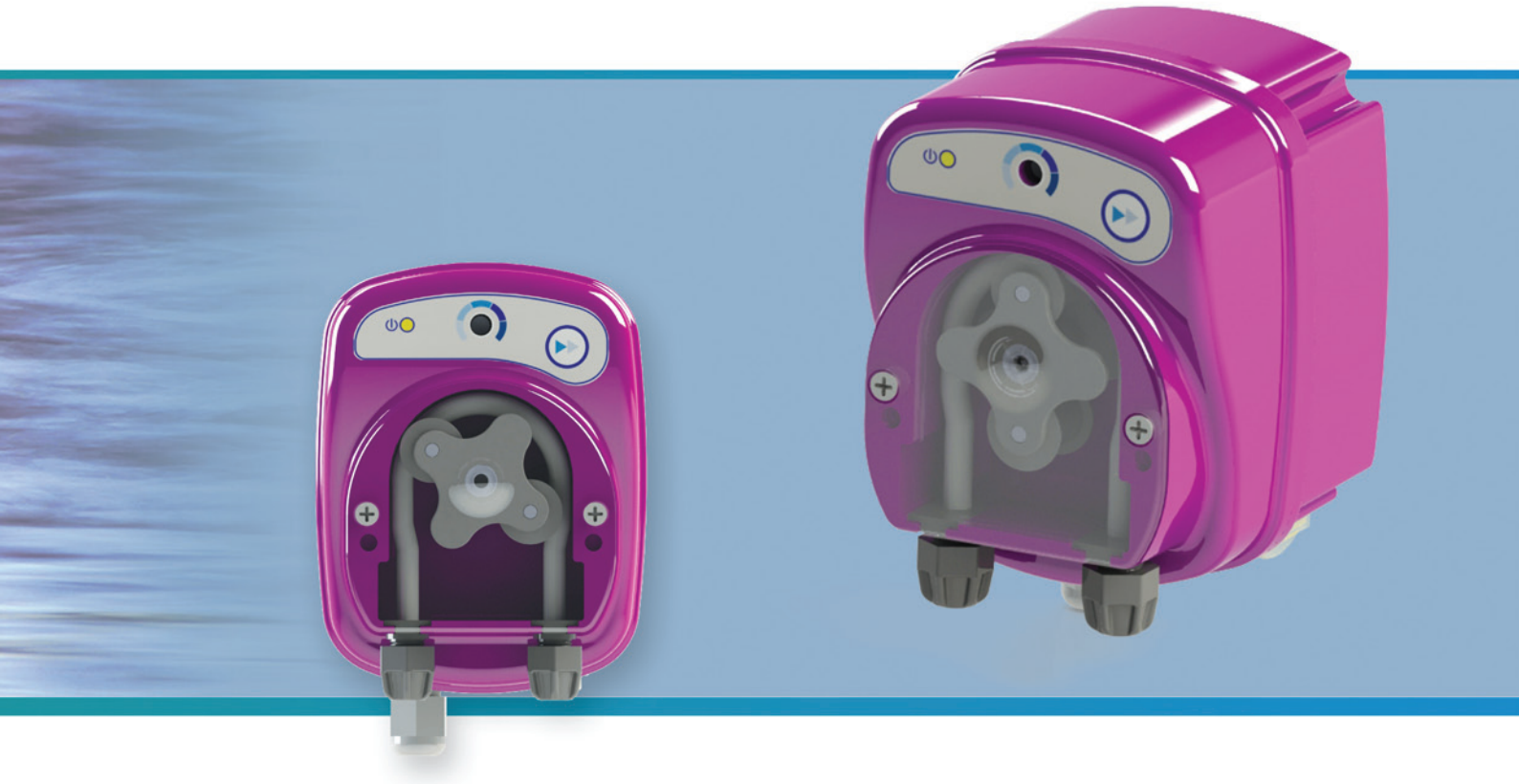
AnTech®

"Water Control Technologies"

PERISTALTIC
DOSING PUMPS



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PERISTALTIC
Dosing Pumps

- High chemical resistance with special barrier coated Norprene® Chemical Tube
- Ease of installation and maintenance
- Slient running
- Quick, test and charge rapid button
- Perfect solutions for laundry, water threatments and swimming pools
- Ball-bearing rotor ensures a high level of smoothness and long-life

Features Of Peristaltic Dosing Pumps

The Antech PER-A designed to offer for high performance for both high presure and liquid dosing which include acids, bases, salts, ketones and alcohols allowing its use in a wide range of chemical applications.

With strong-durable motor and special Norprene Chemical Tube make it unique peristaltic dosing pump for all kind of applicaitons like; swimming pools, saunas , spas, laundries, detergent, rinse aid, food contact applicaitons and shortly where extractables are a concern.

Its compact design also allows it for wall mounting and easy access. Besides all of this, ball bearing application in rotor increases life of the peristaltic dosing pump with minimizing friction of the roller.

AREAS OF USE

Car washes, Loundries, Water Threatment, Swimming Pools, Saunas and Spas, Cooling Towers, Cooling Water Threatments

Tube of AnTech Peristaltic Dosing Pumps

NORPRENE® Chemical Tubing

Features/Benefits

- Long flex life in peristaltic pumps
- Temperature range of -20 °C to +70 °C
- Superior chemical resistance
- Plasticizer-free bore
- Meets FDA criteria for food contact
- Resist absorption/adsorption of aqueous fluids
- Virtually unaffected by chemical sanitizers and cleaners

Unique Combination of Properties

Norprene® Chemical Tubing is a high performance co-extruded product specifically formulated to provide an ideal combination of chemical resistance and pump life. Its inert ultra-smooth plasticizer-free bore resist the absorption/adsorption of aqueous fluids while the Norprene outer jacket provides long flex life in peristaltic pumps. Norprene® Chemical Tubing is an excellent choice for sensitive fluid transfer applications.

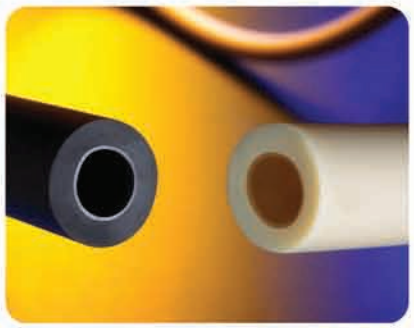
Outstanding Chemical Resistance

The inner liner of Norprene® Chemical Tubing significantly increases the chemical resistance and allows for a broader range of usability. The tubing is virtually unaffected by acids, bases, salts, ketones and alcohols (see "Relative Chemical Resistance Properties" chart) allowing its use in a wide range of chemical applications without the use of multible tubings.

Relative Chemical Resistance Properties

Tubing	Acids			Bases			Salts	Alcohols	Ketones
	Conc.	Med.	Weak	Conc.	Med.	Weak			
Norprene® Chemical Tubing	F	E	E	E	E	E	E	E	F
Fluoroelastomers	E	E	E	U	F	F	E	F	U
Urethane	U	U	U	U	F	F	F	U	U
PVC	F	E	E	E	E	E	E	F	U
Thermoplastic Rubber	U	F	F	F	E	E	E	F	U
Neoprene	U	F	E	E	E	E	E	E	U
Nitrile Rubber	F	F	E	U	E	E	E	E	U
Silicone	U	U	U	U	F	F	F	F	U
EVA	U	F	E	F	E	E	E	E	U

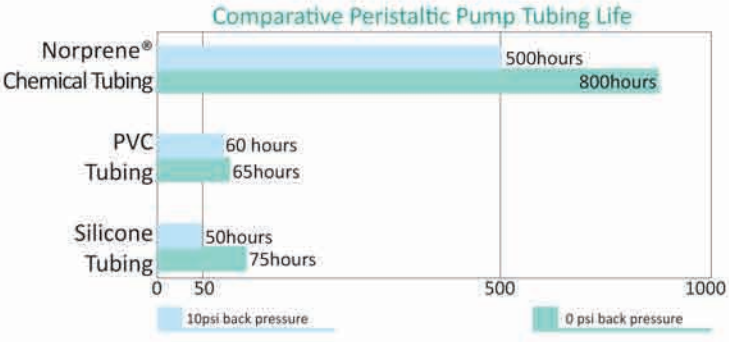
U=Unsatisfactory
F=Fair
E=Excellent



Superior Pump Life

The outher jacket of Norprene® Chemical Tubing is extremely flexible, expanding the pump life of tubing and reducing downtime due to pump tubing failure (see "Comparative Peristaltic Pump Tubing Life" chart)

The table below depicts hours until failure of 1/4" IDx3/8"OD tubing. In each case, a 3-roller pump head operating at 600 rpm under room temprature 25°C conditions was utilized. Tubing failure is measured in hours of use prior to rupture.



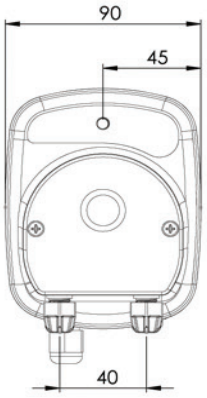
Additional Benefits

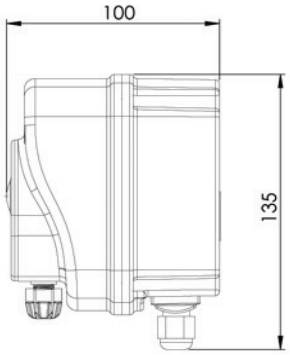
Norprene® Chemical Tubing complies with FDA 21 CFR, 177.1520 criteria and is applicable for food contact applications. Its virtually unafeected by most commercial sanitizers and cleaners and can be autoclaved for up to five cycle times without affecting its overall service life.

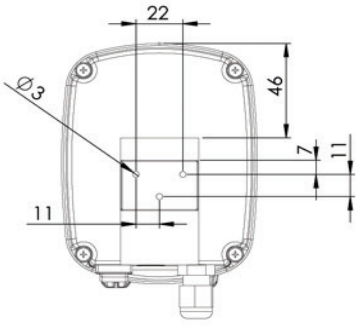
Technical Features

PERISTALTIC Dosing Pumps	
Power Supply	AC 230V 50-60Hz - 6W
Pipe Glads	PP
Protective Cover	PC
Working Hose	Norprene® Chemical Tubing
Working Ambient Temperature	0 - 50 °C
Chemical Temperature	0 - 45 °C
Connectors	4x6 mm
Motor	24 V DC
RPM	49 / 69 / 112
Weight	750 gr
Dimensions (mm)	135 x 90 x 100
Package Dimensions (mm)/ Wieght	215 x 130 x 130 / 800 gr
Multible Package Dimensions (mm)	250 x 590 x 470 (16 units)

Dimensions







The Package Includes


PP Injection Connector


PP Suction Connector


Wall Mounting Bracket


*Pressing Injector
With Spring 4x6

*Just comes with PER-A 2L/3B

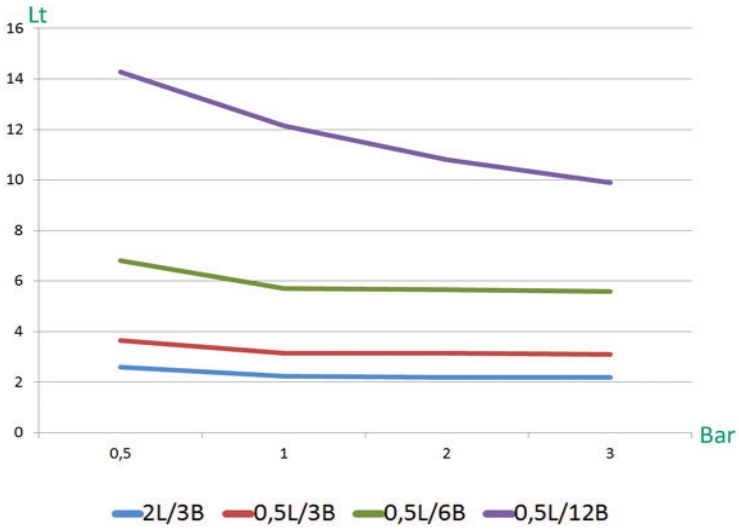

Wall Mounting Assemblies


PVC Suction Tubing &
PE Injection Tubing

ACCESSORIES


T Connector SS316

Suction/ Lift Performance Chart



WORKING PRINCIPLE

A peristaltic pump is a type of positive displacement pump used for pumping a variety of fluids. The fluid is contained within a flexible tube fitted inside a circular pump casing (though linear peristaltic pumps have been made).

A rotor with a number of "rollers", "shoes", "wipers", or "lobes" attached to the external circumference of the rotor compresses the flexible tube. As the rotor turns, the part of the tube under compression is pinched closed (or "occludes") thus forcing the fluid to be pumped to move through the tube.

Additionally, as the tube opens to its natural state after the passing of the cam ("restitution" or "resilience") fluid flow is induced to the pump. This process is called peristalsis and is used in many systems.

Typically, there will be two or more rollers, or wipers, occluding the tube, trapping between them a body of fluid. The body of fluid is then transported, at ambient pressure, toward the pump outlet.
Peristaltic pumps may run continuously, or they may be indexed through partial revolutions to deliver smaller amounts of fluid.