

# Easy tube loading peristaltic pump for flow rates up to 3000 ml/min

## ETL500 Series

### FEATURES

- ✓ Double spring loaded adjustable occlusion for optimized performance and longer tube life time
- ✓ Easy tube loading
- ✓ High pressure alternative
- ✓ High chemical resistant materials



### EMEA

Gardner Denver Thomas GmbH  
Livry-Gargan-Str. 10  
82256 Fürstenfeldbruck  
Germany

Tel: +49 8141 2280 0  
Fax: +49 8141 8892136  
thomas@gardnerdenver.com

**THOMAS**

# ETL500 PERISTALTIC PUMP

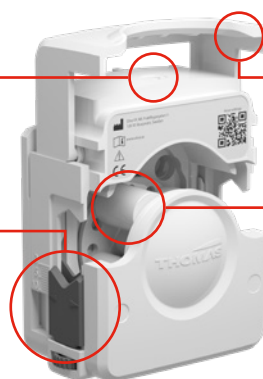
Robust plastic moulded peristaltic pump for flow rates up to 3000 ml/min.

## Adjustable spring-loaded occlusion

- Custom factory setting to specific pressure
- Reduced wear on tube, pump and motor

## Tube holders

- Easy and accurate setting via adjustment wheel
- Optional fixed factory setting



## Lid Opening Sensor

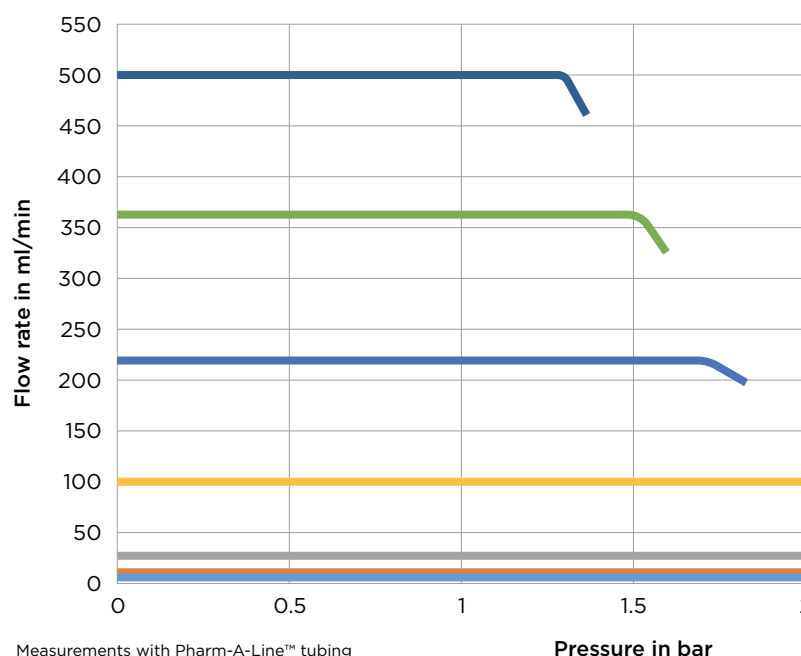
- Pump stops when lid is opened

## Number of rollers

- 3 roller version for high flow rates
- 4 roller version for improved accuracy

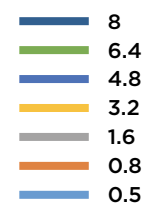
## FLOW CHART

FLOW RATES MEASURED WITH WATER AT 100 RPM

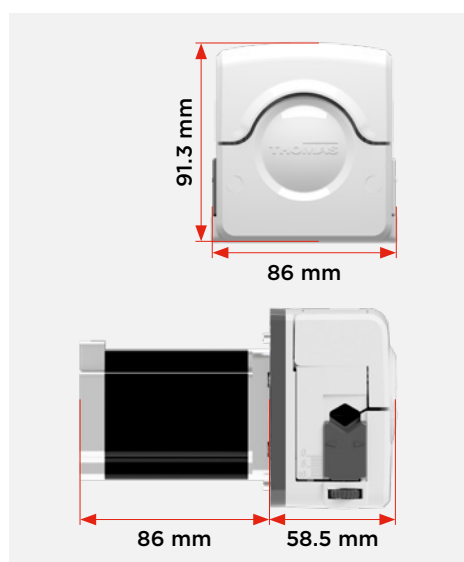


FLOW RATES (ML/MIN)

| TUBE BORE (ID MM) | ML/REV | 100 RPM | 400 RPM | 600 RPM (intermittent only) |
|-------------------|--------|---------|---------|-----------------------------|
| 0.5               | 0.03   | 3       | 12      | 18                          |
| 0.8               | 0.06   | 6       | 24      | 36                          |
| 1.6               | 0.26   | 26      | 104     | 156                         |
| 3.2               | 1      | 100     | 400     | 600                         |
| 4.8               | 2.2    | 220     | 880     | 1320                        |
| 6.4               | 3.6    | 360     | 1440    | 2160                        |
| 8                 | 5      | 500     | 2000    | 3000                        |



## DIMENSIONS



## SPECIFICATION

### PUMP SPECIFICATIONS

|                       |                                                                    |
|-----------------------|--------------------------------------------------------------------|
| Motor                 | - Stepper<br>- BLDC on special request<br>- DC on special request  |
| Channels              | 1                                                                  |
| Max. system pressure  | Up to 3 bar                                                        |
| Max. vacuum           | 95%                                                                |
| Max. flow rate        | 3000 ml/min                                                        |
| Rollers               | 3 or 4                                                             |
| Materials             | PBT, PET                                                           |
| Tube holders          | - Setting via adjustment wheel<br>- Optional fixed factory setting |
| Adjustable occlusion: | Custom factory setting to specific pressure                        |
| Sensors               | Optional lid opening sensor                                        |