ETL500 Pump Head 4 roller version

FLOW 0 - 2600 ml/min

HYDRAULIC DATA*

Tube bore (ID mm)	ML / REV**	100 RPM	400 RPM	600 RPM (interm. only)
0.5	0.025	2.5	10	15
0.8	0.065	6.5	26	39
1.6	0.28	28	112	168
3.2	0.92	92	368	552
4.8	1.85	185	740	1110
6.4	3.2	320	1280	1920
8.0	4.4	440	1760	2640

* Approximate values at free flow with Pharm-A-Clear® tubing and 4 roller configuration.
** Values calculated from 100 RPM.

GENERAL DATA

Pump type	Single-channel peristaltic pump
Max. torque required*	300 mNm
Media temperature	5 - 80 °C
Ambient temperature	10 - 45 °C
Storage temperature	-30 to +70 °C
Max. motor speed continuous operation	400 rpm
Max. motor speed intermittent operation	600 rpm
Max. continuous system pressure	2 bar
Weight	400 g

* Measured with PHI-8.0X1.6 tube, 600 rpm, 1.3 bar, starting torque can be up to 2x the mean value stated above, torques for other scenarios available on request.

MODEL KEY

Pos	Options	Description
1	ETL500	Product Line
2	F	**F**luid / liquid
3	0 / 1	Tubing: without tubing (**0**), with tubing (**1**)
4	AT / FT	**A**djustable **T**ube Holders, **F**ixed **T**ube Holders
5	16 / 24	Designed for tube wall thickness 1,6 mm (**16**) or 2,4 mm (**24**)
6	NA / 0	Nominal Voltage **NA** = Not Applicable: nominal input voltage depends on control board; control board not included / **0** = pump head only
7	ST / 0	**St**epper Motor / **0** = pump head only
8	0600 / 0	Motor speed: **0-600** rpm stepper motor (external control board required) / **0** = pump head only
9	AP / 0	**A**dapter **P**late included / **0** = no adapter plate
10	MP / 0	**M**ounting **P**late included / **0** = no mounting plate
11	3 / 4	Number of rollers: **3** rollers or **4** rollers
12	LT / MT / ST / LST	Occlusion setting for tube specification: **L**arge **T**ubing (PHI-8.0X1.6, PHI-6.4X1.6, PHI-4.8X1.6, PLTS-LH-4.8X1.6) **L**arge **S**ilicone **T**ubing (PLTS-LH-8.0x1.6, PLTS-LH-6.4x1.6) **M**edium **T**ubing (PHI-3.2X1.6, PHI-1.6X1.6, PLTS-LH-3.2X1.6, PLTS-LH-1.6X1.6) **S**mall **T**ubing (PHI-0.8X1.6, PHI-0.5X1.6, PLTS-LH-0.8x1.6, PLTS-LH-0.5x1.6)

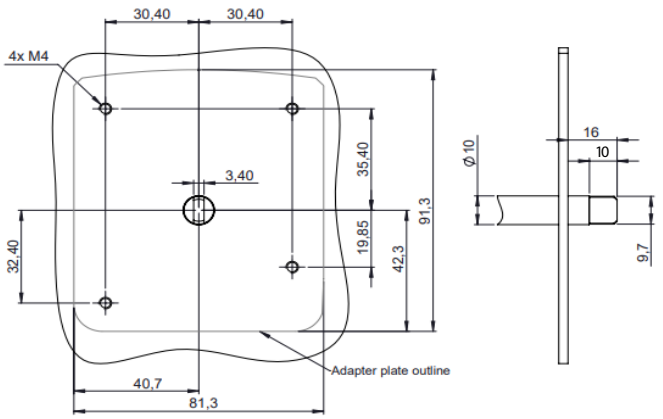
ORDER INFORMATION

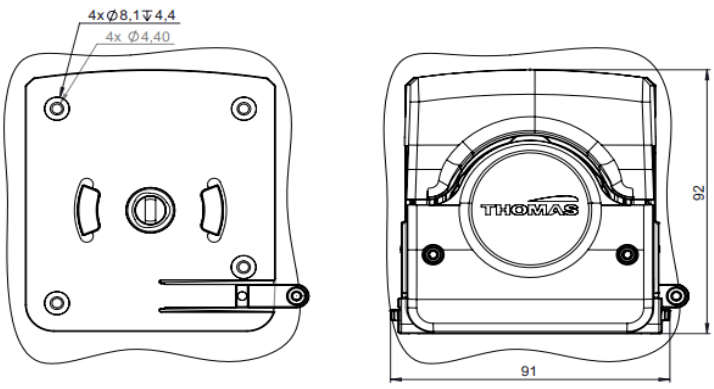
Part Number	Model Key
59997430	ETL500-F-0-AT-16-0-0-0-AP-0-4-ST
59997450	ETL500-F-0-AT-16-0-0-0-AP-0-4-MT
59997470	ETL500-F-0-AT-16-0-0-0-AP-0-4-LT
59997490	ETL500-F-0-AT-16-0-0-0-AP-0-4-LST
Other configurations	Upon request
To order call	ASIA +86 510 6878 2258
To order call	EMEA +49 8141 22800
To order call	USA +1 920 457 4891
Or go online @	https://www.thomaspumps.com/

OPTIONS

Fixed tube setting (no adjustment wheel)
Pump model for thick wall (2.4 mm) tubing
Lid opening sensor
Optimized occlusion setting

DIMENSIONAL DRAWING





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