

TAMARA specifications

Inlet volumes	Depends on reservoir size		
Achievable volumes (accuracy & repeatability)	0.2 to 30 mL Accuracy and repeatability ensured on 0.5 to 5 mL range with the first chip run		
TFR (Total Flow Rate)	0.8 to 15 mL/min Depends on input parameters (Pressure, volume...) to ensure best accuracy and repeatability		
FRR (Flow Rate Ratio Solvent/water)	1:1 to 1:10		
Liquid compatibility	Any aqueous solution & solvent compatible with the wetted materials (Topas/COC and PEEK). See appendix for more.		
Optimal initial lipid concentration	1 to 10 mg/mL Can accomodate initial lipid concentration up to 100 mg/mL		
Inlet gaz Pressure	8 to 10 bar (120 to 150 psi) Lower pressure inlet can be accomodated but would decrease maximum accessible Total Flow Rate and cleaning capabilities. Only use dry and non corrosive nor explosive gas.		
Operating Temperature	+ 10°C to + 40°C		
Humidity range	0 to 80% relative humidity		
Dimensions (Heigh x Width x Depth)	Synthesis module: 23x26x23 cm Controller: 31x34x36 cm		
Weight	Synthesis module: 3.650 Kg Controller: 5.050 Kg		
Power supply	110–220 V 45W	Frequency	47-63Hz
Neutral system	TT	Level of pollution	I
Device class	IP20	Overvoltage category	II
Device protection	3	Special atmosphere	No
Installation altitude	0 - 2,000 m above zero level		