

## Aspirator with Trap Flask FTA-U

### Description

The FTA-U vacuum suction system is a powerful, ergonomic, and durable benchtop suction system that improves the handling of liquid waste in demanding laboratory environments.

It addresses common laboratory challenges such as inconsistent manual suction, risks of biological contamination, handling viscous liquids, and ergonomic strain from repetitive tasks.

### Specifications

- Adjustable vacuum up to  $-95$  kPa ( $-950$  mbar) with a rapid aspiration speed of 12 L/min (air), ideal for efficient aspiration of viscous solutions and dense cell suspensions.
- Autoclavable quick-connect bottles available in 2L and 4L sizes.
- Integrated electronic overflow protection with clear audio-visual alerts prevents spills and contamination.
- A  $0.2\ \mu\text{m}$  hydrophobic microbiological filter automatically seals when wet, protecting the pump and maintaining sterility.
- Safety - the vacuum pump stops when the threshold level is reached, preventing vacuum implosion, ensuring reliable and safe operation.
- Low-noise micro diaphragm vacuum pump delivers stable, oil-free performance with minimal vibration, housed within a compact, chemical-resistant, easy-to-clean casing suitable for biosafety cabinets and benchtop use.
- Accelerates liquid handling processes, significantly boosting productivity and workflow consistency.
- Delivers consistent, reproducible aspiration results, with hands-free foot switch control and ergonomic manual knob options to reduce operator fatigue.
- Backed by a standard 2-year warranty, extendable to 3 years upon product registration, supported globally by Biosan partner network.



Rear side with ON/OFF switch and hydrophobic microbiological filter



Aspirator FTA-2i with tube holder / organizer

# Aspirator with Trap Flask FTA-2i

## Technical Data

Aspiration speed	up to 12 litres/min (air)
Vacuum	-200 to -950 mbar (adjustable)
Trap flask	2–4 litres polypropylene (autoclavable)
Liquid level sensor type	invasive
Overflow protection	Motor stops, light and sound signal
Noise level	62 % vacuum approx. 46 dBA 100 % vacuum approx. 56 dBA
Pump type	Durable mini diaphragm vacuum pump
Microbiological filter	Hydrophobic air filter, pore diameter 0.027 µm
Quick-coupling system	Yes
Dimensions with trap flask (W x D x H)	220 x 320 x 380 mm (2L flasks) 220 x 320 x 460 mm (4L flasks)
Weight with trap flask	2.40 kg (2 l) 2.82 kg (4 l)
External power / power consumption	12 V, 2 A / 24 W
External power supply	Input AC 100-240V; 50/60 Hz; Output DC 12 V

## Optional Accessories



### Multi Channel Adapter MA-8

8-channel aspiration tip with holder, autoclavable.

Order No.: 104.9020



### HAS-1 Set inclusive stand

1-channel adapter with:  
- Ejektor for 200 mkl tips  
- 40 mm stainless steel pin  
- 125 mm stainless steel pin

8-channel adapter with:  
- Ejektor for 200 mkl tips  
- 35 mm stainless steel pins



### Foot switch FS-1

Foot switch with USB-A connector.  
Wire length 2m.



HAS-1 hand operator set