

## Aliquoter Module (ALQ)

### Technical Data Sheet

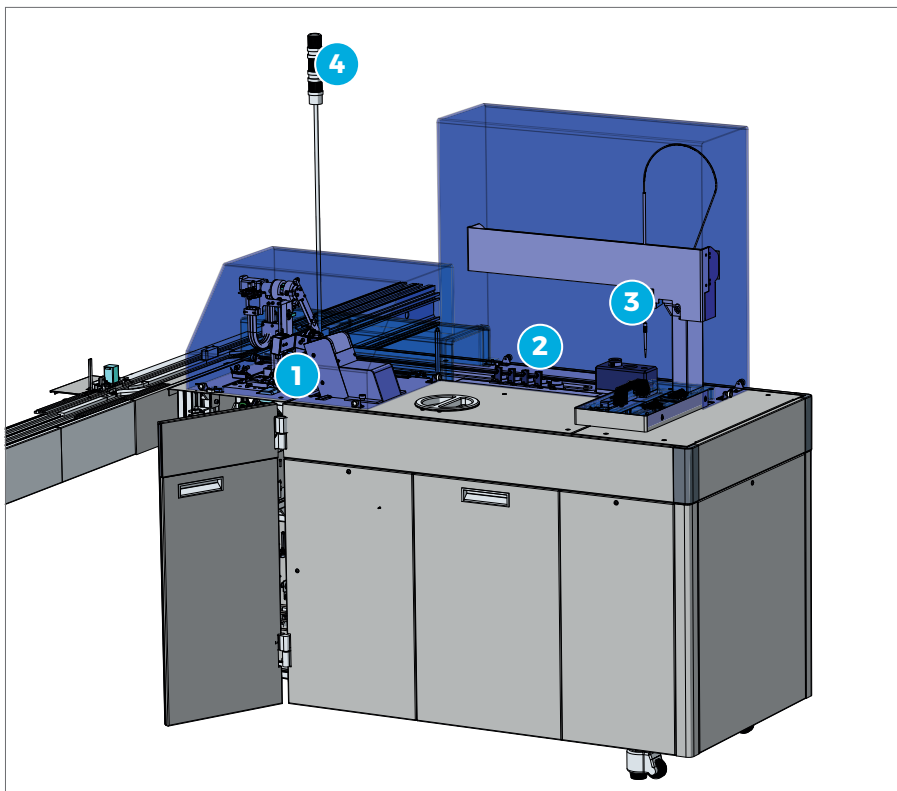
The Aliquoter Module generates secondary sample tubes from the primary sample tube. The primary sample is aspirated and dispensed into the secondary sample tubes based on configurable volumes and parameters. If more than four secondary sample tubes need to be generated from the same primary sample, the primary sample tube is routed to the Aliquoter Module more than once until all secondary sample tubes are generated.

#### Benefits

- > Improved operator safety by avoiding manual aliquoting of the sample
- > Prevention of sample contamination thanks to disposable tips
- > Aliquots uniquely associated to primary tube thanks to automatic labelling of secondary tubes

#### Applications

- > ALQ before analyzers: aliquoting process has priority over analysis
- > ALQ after analyzers: analytical test has priority over aliquoting



- 1 Secondary Sample Tube Preparation Area
- 2 Pipettor
- 3 Aliquoting Area
- 4 Lighting System

## Main Features

|                               |   |
|-------------------------------|---|
| Throughput                    | *Up to 500 tubes/h                                  |
| Walk-away capacity            | 600 tubes (Container for Secondary Sample Tubes)    |
| Tube specifications           |   |
| Sample type                   | Spun  |
| Cap type                      | Uncapped  |
| Dimensions (mm)               | 13x75, 13x100, 16x75, 16x100                        |
| Position along the automation | Depends on the designed function for the Automation |

\*Including primary tubes and 4 secondary tubes per primary tube, dispensing 200µl in each secondary tube.

The maximum throughput calculations are obtained in optimized and standardized conditions, as tested by Inpeco.

## Other Features

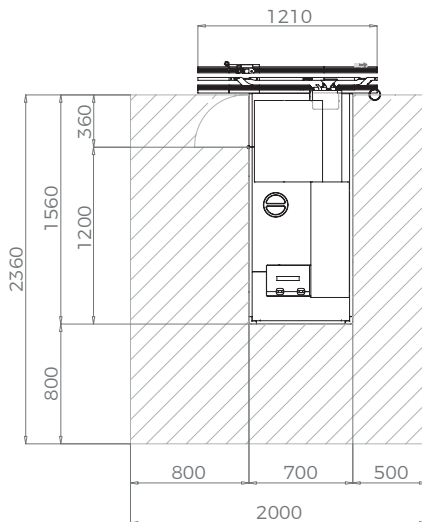
- > ALQ can generate up to 4 secondary sample tubes at a time for one primary sample tube
- > ALQ uses Sarstedt 13x75 mm with no false bottom and pressure cap as secondary tubes
- > Each secondary tube is aliquoted with up to 3000 µl of the primary sample tube
- > ALQ can detect liquid level and clots.
- > A Thermal Printer applies customized Barcoded Labels on Secondary Sample Tubes
- > ALQ has 2 different tanks for Aspiration and Waste purposes with a capacity of 5 liters.
- > ALQ has a container for new tips (1000 units) and a removable Tip Waste Container for disposed tips (maximum of 2000 used units)
- > ALQ has a PC with his own software

## Technical Specifications

|   |               |
|---|---------------|
| Dimensions (LxHxD) (mm)                     | 700x1890x1560 |
| Main clearances (left x right x front) (mm) | 800x500x800   |
| Weight (Kg)                                 | 170           |
| Compressed air (NL/min)                     | 15.13         |
| Power inlet point                           | 230 Vac       |

|                                |        |
|--------------------------------|--------|
| Maximum continuous current (A) | /      |
| Maximum alternate current (A)  | 2      |
| Total power consumption (VA)   | 460    |
| Heat (BTU/h)                   | 1251.2 |

## Technical Drawing



Module dimensions and clearances expressed in mm.

## Ordinary Maintenance

|                       |  |
|-----------------------|--|
| Operator <sup>1</sup> | /  |
| Service <sup>2</sup>  | Every 90-180 days, according to operations |

<sup>1</sup> According to Operation Manual. <sup>2</sup>The periodicity depends also on the routine tubes/day. For more details refer to Service Manual.

| Part Numbers | FlexLab™ | FlexLab™ for High Throughput |
|--------------|----------|------------------------------|
| Interface    | N.A.     | FLX-209-10                   |
| Slot         | N.A.     | FLX-509-10                   |

N.A. = Not Available.