

## Index Measuring Device BECO® LiquiControl<sub>2</sub>

### Fully-automatic Device for Determining Filterability

BECO LiquiControl<sub>2</sub> index measuring device primarily determines the filterability of any beverage or ready-to-bottle liquid. Prior to membrane filtration, a sample is filtered under defined and reproducible conditions (constant pressure) through a reference membrane.

Depending on the sample quantity, the filterability of the medium is considered "good" if a defined sample volume is achieved. If the defined volume is not obtained, further measurements for the improvement of filterability become necessary.

If a single sheet lab filter (e.g., BECO INTGRA® LAB 60) is connected to the device instead of the filter carrier, the ideal filter sheet can be determined as well.

A variable pressure setting allows for different depth filter sheets to be considered.

#### Advantages

- **Ideal assessment** of the filterability and the quality of the filtrate
- **Longer total service life** of the membrane filter cartridges for pre-filtration and targeted determination of the regeneration intervals.
- **Reduction of downtime** during filling due to perfect pre-filtration
- **Enables optimum choice** of cartridge filter systems due to pilot tests
- **Polluting load analysis** of service media (rinse water, steam condensate)
- **Easy handling and cleaning** of the device
- **Variable filtration pressure**
- **High flexibility** due to a separate container for liquid to be filtered
- **Display of all measured data from archive**
- **Ethernet interface** for data download



#### Filterable Media

- Wine/sparkling wine
- Water/mineral water
- Juice
- Beer from pressure containers
- Service media

#### Display Values

##### During measurement:

Current filtrate volume in ml

Current pressure of sample in mbar

Flow rate in ml/min

Current temperature of medium

##### After measurement:

Flow rate with 1 liter filtrate volume in ml/min

Flow rate with 2 liter filtrate volume in ml/min

Flow rate with 3 liter filtrate volume in ml/min

Flow rate with 4 liter filtrate volume in ml/min

Flow rate with 5 liter filtrate volume in ml/min

Entire filtrate volume in ml

## Technical Data

<b>Max. volume:</b>	1.43 gal (5.4 l)
<b>Operating pressure:</b>	0 – 43.5 psi (0 – 300 kPa, 0 – 3 bar)
<b>Membrane diameter:</b>	1.85 in (47 mm)
<b>Membrane, pore size:</b>	0.45 µm; 0.65 µm
<b>Max. temperature of medium:</b>	176 °F (80 °C)
<b>Max. ambient temperature:</b>	33.8 – 122 °F (1 – 50 °C)
<b>Weight:</b>	37.5 lb (17 kg)
<b>Dimensions (L x W x H):</b>	Measuring device: 13.8 x 11.8 x 17.7 in (350 x 300 x 450 mm) Container: Ø 7.9 in, height: 13.8 in (Ø 200 mm, H: 350 mm)
<b>Display:</b>	Micro-Panel 3,5" Color-Touch-Display

## Materials:

<b>Measuring device, filter carrier:</b>	Stainless steel AISI 304/AISI 316L
<b>Container:</b>	Stainless steel AISI 304
<b>Product contacting parts:</b>	Stainless steel AISI 304/AISI 316L, PA

## Connections

<b>Voltage/frequency:</b>	230 V/50 Hz 110 V/60 Hz
<b>Protection class:</b>	IP54
<b>Inlet connection:</b>	Ø 1.14 in (Ø 29 mm)

## Accessories

Article-number	Description	Packing unit
BJTI2000	BECO LiquiControl <sub>2</sub> index measuring device including container for liquid to be filtered	1
BJTI2B01	Additional container for liquid to be filtered, 1.43 gal (5.4 l)	1
BFI45047	Membrane 0.45 µm	100
BFI65047	Membrane 0.65 µm	100

HS Customs Tariff: 8421 99 00

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