

# ArtBEV, the beverage clarifier

## Juices

FRAUTECH clarifiers are preferably used for fine clarification after extraction and fining, to remove unwanted solids, haze particles or fining agents before further processing, such as juice concentration, filtration and pasteurization. The turbidity of naturally cloudy juices is standardized by clarifiers as well and the removal of coarse particles allows producers to maintain the desired cloudiness for longer during storage or on the shelf.

## Tea and herbal drinks

Tea drinks are extremely popular in Asia and they are becoming increasingly popular everywhere, especially with young people. Our long experience with tea drinks is including green tea, black and herbal tea. Our ArtBEV clarifiers can remove the solids content and reduce the turbidity at the desired level in an extremely easy and efficient way.

## Vegetable drinks

From the supermarket shelf to the breakfast table, the market has developed a taste for non-dairy, healthy and/or bio drinks. Soy, oat, rice, or almond milk for example. Whatever vegetable dairy product you are handling, FRAUTECH clarifiers can help you with your separation process.

## Wine

Beginning with must clarification, to first and second racking and on to wine polishing, clarifiers are used in many different applications, replacing or acting together with conventional technologies. ArtBEV Separators offer winemakers an additional option to positively influence the wine's character and produce clear and elegant wines by effectively removing haze and unwanted solids as well as fining agents or yeast. Separators reduce the particle load entering downstream filter media and increase the service life of cross-flow-units and DE- or depth filters. At the same time, must and/or wine clarification by separators requires less time and space compared to sedimentation or flotation. Thus, they make wine production more economical.

## Standard scope of supply

- Complete skid mounted clarifier unit with control panel and variable frequency drive
- Tangential cyclone with solids discharge tank
- Liquid ring sealing to prevent oxygen pick-up
- Strainer with manual valves
- Automatic on-off butterfly valve
- Magnetic flow transmitter
- Manual valve for flow-rate control
- Pressure gauge at product outlet
- Manual valve for back pressure control
- Check valve at product outlet
- Sight glasses at product inlet/outlet
- Sampling valves at product inlet/outlet
- Electro-valve for bowl rinsing
- Pressure water reducer and cartridge filter for operating water
- Vibration sensor

## Advanced scope of supply

- In addition to the standard scope of supply:
- Automatic flow regulating valve
- Automatic back-pressure control valve with pressure transducer

## Optional features

- Operating water feeding unit
- Solids discharge by VolCon system, our perfect control of the discharge volume
- Turbidity monitoring and control of TSS level at outlet
- Feed pump
- Solids discharge pump
- Sight glasses with backlighting at inlet/outlet

## Technical data

Model		ArtBEV 31	ArtBEV 41	ArtBEV 71	ArtBEV 131	ArtBEV 201	ArtBEV 301
<b>Hydraulic capacity</b>	kg	7,500	12,000	20,000	35,000	50,000	70,000
<b>Installation weight</b>	kg	750	1,100	1,600	2,800	2,950	3,700
<b>Skid footprint</b>	m	2.0 x 1.1	3.0 x 1.25	3.3 x 1.4	3.6 x 1.55	3.8 x 1.75	2.21 x 1.4
<b>Skid height</b>	m x m	1.8	1.8	2.0	2.0	2.1	1.9
<b>Total installed power</b>	kW (HP)	5.5	7.5	15	22	37	45