

SELF-EMPTYING CENTRIFUGE, CLARIFIER ARTBEV



High-performance device for purifying juice from solid particles. Made of stainless steel 1.4301 / AISI 304.

Disc centrifuges are used to separate juice from solid particles that may be present in it using centrifugal force. They operate continuously, allowing for full automation of the line for obtaining raw fruit juices. Freshly squeezed juice is introduced into the device. Under the influence of centrifugal force, the juice is separated from solid particles. These devices are particularly recommended for the production of naturally cloudy juices. The juice is separated from solid parts within a dozen or so seconds, which significantly reduces the oxidation reactions of both health-promoting ingredients and those affecting the organoleptic characteristics of juices. In addition, due to the small and closed space, the process can be carried out in an inert gas atmosphere.

Equipment:

- Complete frame-mounted centrifuge unit with control panel and variable frequency drive
- Liquid ring seal to prevent oxygen uptake
- Magnetic flow transducer
- Manual valve to control flow rate
- Manual pressure gauge at product outlet
- Manual valve to control back pressure
- Check valve at product outlet
- Sight glasses at product inlet/outlet
- Water pressure reducer and filter for process water
- Vibration sensor

**Technical data**

Model		ArtBEV 31	ArtBEV 41	ArtBEV 71	ArtBEV 131	ArtBEV 201	ArtBEV 301
Hydraulic capacity	kg	7,500	12,000	20,000	35,000	50,000	70,000
Installation weight	kg	750	1,100	1,600	2,800	2,950	3,700
Skid footprint	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
Skid height	m x m	1.8	1.8	2.0	2.0	2.1	1.9
Total installed power	kW (HP)	5.5	7.5	15	22	37	45

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