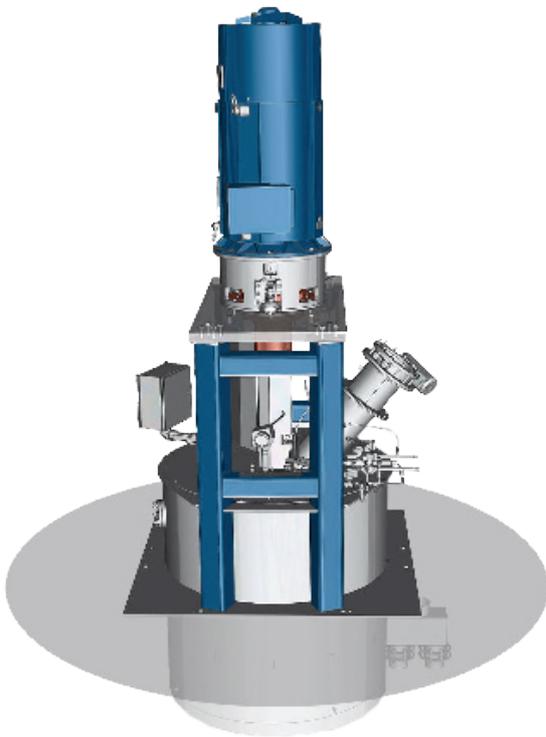




BUCKAU-WOLF DISCONTINUOUS CENTRIFUGALS

Buckau-Wolf discontinuous centrifuges have a distinctive, slim design of the centrifuge drum. It is designed for a very high separation factor of up to 1,500 (dextrose) and 1250 (sugar). This maximises the separation performance and achieves a decolourisation of up to 98 %. The residual moisture for white sugar filling masses is approx. 0.5 %. The optimised control enables reduced cycle times and thus maximum production output for first-class product and process quality.



Maximale Produktionsleistung

- ▶ Monitoring of the filling quantities by means of a specially developed Buckau-Wolf control system,

resulting in precise, exactly reproducible filling compound layer thicknesses with every cycle

- ▶ Optimum use of drum capacity in every batch thanks to the Buckau-Wolf control system
- ▶ Maximum production output due to slim drum design combined with high spin factor
- ▶ Minimal use of washing water, thus minimising sugar loss caused by dissolving in the drum
- ▶ Integration of the control system into process control systems possible
- ▶ Improved, cross-system communication technology including intelligent interlocking of connected centrifugals.
- ▶ In the event of a malfunction, rapid remedial action to analyse and locate the fault and avoid downtime thanks to a modern diagnostic system

Komfortable Bedienung

- ▶ Particularly convenient and safe operation due to high degree of automation and user-friendly display
- ▶ Language-independent, self-explanatory graphic display in the operating panel
- ▶ Additional functions for Service support

Geringerer Energieverbrauch

Very low energy consumption of less than 1 kWh/batch in white sugar production due to the special design and the special drive concept



Hohe Betriebssicherheit durch Performance Level-D-Steuerung

- ▶ Latest EU Machinery Directive as a basis
- ▶ In the event of a malfunction, safe shutdown of the machine without loss of the batch and unnecessary delays due to cleaning work thanks to „Safely Limited Speed“ function
- ▶ Possibility of integrating a monitoring system for continuous analysis and diagnosis of all rotating parts as well as a function for automatic transmission of status and fault messages by SMS or e-mail

Besondere Ausführungsmerkmale für Dextrose

- ▶ GMP-compliant materials and manufacturing processes allow use in the „sanitary“ sector
- ▶ Use of higher alloy steel, thus avoiding corrosion on machine parts that come into contact with the filling compound



Discontinuous Centrifugals			BW 1300S	BW 1500S	BW 1750S	BW 2000S	BW 2250S
Beet sugar Cane sugar	Drum capacity	dm ³ /charge	762	965	1100	1350	1410
	Drum diameter	mm	1270	1350	1430	1625	1625
	RPM	U/min	1245/1330	1210/1290	1175/1250	1100/1175	1100/n/a
	Separation factor	Z	1100/1250				
Raffinade	nom. Filling mass quantity*	t/h	33	42	47	58	61
	Batch number	charge/h	27				
A-product raw sugar	nom. Filling mass quantity*	t/h	30	38	44	54	56
	Batch number	charge/h	25				
B-product	nom. Filling mass quantity*	t/h	24	31	35	43	45
	Batch number	charge/h	22				
Discontinuous Centrifugals for Dextrose			BW 1300D	BW 1500D	BW 1750D	BW 2000D	BW 2250D
Dextrose Isomalt	Drum capacity	dm ³	495	564	694	810	1020
	Maximum layer thickness	mm	140	150	170	180	180
	RPM	U/min	1455	1455	1410	1370	1285
	Spin factor	g	1500				
	Motor power 400 V/480 V	kW	75/86	90/103	110/126	152/174	184/211
Mono-Hydrate (1,35 kg/l)	nom. Filling mass quantity*	t/h	3,5	3,8	4,8	5,5	7,0
	Batch time/number Ø	sec/Ch/h	720/5				