



## **BUCKAU-WOLF BATCH CENTRIFUGALS**

Buckau-Wolf batch-type centrifugals have an unmistakable, slim design of the centrifugal basket. As a consequence a very high separation factor of up to 1.500 (dextrose) and 1.250 (sugar) is achieved. The separation efficiency is hence maximised and a discoloration of 98 % is the result. The residual moisture in the case of white sugar massecuites is 0.5 %. The optimized control system permits reduced cycle times and thus the highest production output for first-class product and process quality.

### **Maximum production output**

- ▶ Monitoring of the filling quantities by means of the control system developed in-house, resulting in precise, exactly reproducible massecuite layer thicknesses in each cycle
- ▶ Optimum utilization of the basket capacity in every batch with the help of the Buckau-Wolf control system
- ▶ Maximum production output by means of slim basket design in combination with the high centrifugal force
- ▶ Minimum use of wash water, hence minimization of sugar loss resulting from dissolving in the basket
- ▶ Integration of the control system into process control systems possible
- ▶ Improved, cross-system communications technology including the intelligent interlocking of connected centrifugals
- ▶ In the event of a malfunction, quick remedial measures for the analysis and locating of the fault and avoidance of downtimes due to a modern diagnostic system

### **Ease of operation**

- ▶ Operation particularly easy and reliable due to a high degree of automation and a user-friendly panel surface
- ▶ Language-independent, self-explanatory graphic presentation on the control panel
- ▶ Additional functions for service support



### **Energy-saving**

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

### **High operational reliability due to Level D control system**

- ▶ Latest EU Machinery Directive as the basis
- ▶ 'Safe low speed' function safeguards safe and reliable shutdown of the machine without loss of the batch and unnecessary delays due to cleaning work in the event of a malfunction
- ▶ Integration of a monitoring system for continuous analysis and diagnosis of all rotating parts as well as a function for the automatic transmission of status and malfunction messages by SMS or e-mail as an option





<b>Batch-type centrifugals for beet sugar and cane sugar separation</b>		<b>BW 1300S</b>	<b>BW 1500S</b>	<b>BW 1750S</b>	<b>BW 2000S</b>	<b>BW 2250S</b>
Basket capacity	dm <sup>3</sup> /batch	762	965	1100	1350	1410
Basket diameter	mm	1270	1350	1430	1625	1625
Speed of rotation	rpm	1245/1330	1210/1290	1175/1250	1100/1175	1100/n/a
Separation factor, Z		1100/1250				
<b>Refined sugar</b>						
Nom. massecuite quantity*	t/h	33	42	47	58	61
Batches per hour	batch/h	27				
<b>A-Product and raw sugar</b>						
Nom. massecuite quantity*	t/h	30	38	44	54	56
Batches per hour	batch/h	25				
<b>B-Product</b>						
Nom. massecuite quantity*	t/h	24	31	35	43	45
Batches per hour	batch/h	22				

\*based on 1100g and depending on the massecuite quality