

# LOW-ENERGY BOTTLE WASHING MACHINE

## Technical Data CB 15-0,5-RDS-8,6 ng

<b>Performance</b>	<b>bottles/h</b>	<b>12,500</b>
Control range max.	bottles/h	13,125
Control range min.	bottles/h	6,250
Cycle time	sec.	4.3
Running time	min.	15.5
Bottle length up to	mm	262
Bottle diameter up to	mm	71
Bottles per row	pieces	15
Bottles inside the machine	pieces	3,255
Bottle cell carrier	pieces	222
Pre-heating:		
Total residence time	sec.	181.4
Treatment time effective	sec.	99.4
Caustic:		
Total residence time	min.	9.6
Bottles filled with caustic soak	min.	7.7
Cooling down area:		
Total residence time	min.	3.8
Treatment time effective	min.	1.5
Spraying time effective:		
Hot caustic	sec.	5.8
Caustic I	sec.	2.9
Caustic II	sec.	11.5
Warm-water I	sec.	11.5
Warm-water II	sec.	11.5
Cold-water	sec.	11.5
Fresh-water max.	sec.	11.5
Container contents:		
Pre-soaking	m <sup>3</sup>	1.2
Caustic soaking I	m <sup>3</sup>	1.4
Caustic soaking II	m <sup>3</sup>	6.7
Caustic II	m <sup>3</sup>	0.25
Warm-water I	m <sup>3</sup>	0.25
Warm-water II	m <sup>3</sup>	0.25
Cold-water	m <sup>3</sup>	0.25
Water consumption for 0,5 l bottles	m <sup>3</sup> /h	2.5
Heat consumption while heating the caustic from 15°C to 80°C	kJ x 1000	2,285
Heat consumption while operating, caustic 80°C	kJ/h x 1000	550
Power connected load	kW	21
Operating weight	t	24.5

Consumption specifications refer to fresh-water 8-13°C, wastewater 35-43°C, bottle infeed 28-33°C, room temperature 15°C, bottle temperature at infeed 15°C

Exchange ratio: 1000 kJ  $\cong$  238.8 kcal  $\cong$  0.45 kg low pressure steam  $\cong$  0.278 kWh