

# LOW-ENERGY BOTTLE WASHING MACHINE

## Technical Data CB 15-1-RV-8,2 VdF ng

<b>Performance</b>	<b>bottles/h</b>	<b>10,000</b>
Control range max.	bottles/h	10,500
Control range min.	bottles/h	5,000
Cycle time	sec.	5.4
Running time	min.	11.7
Bottle length up to	mm	308
Bottle diameter up to	mm	90
Bottles per row	pieces	15
Bottles inside the machine	pieces	1,935
Bottle cell carrier	pieces	134
Pre-heating:		
Total residence time	sec.	199.8
Treatment time effective	sec.	102.6
Caustic:		
Total residence time	min.	5.6
Bottles filled with caustic soak	min.	3.7
Cooling down area:		
Total residence time	min.	3.9
Treatment time effective	min.	1.9
Spraying time effective:		
Hot caustic	sec.	7.2
Caustic I	sec.	3.6
Caustic II	sec.	14.4
Warm-water I	sec.	14.4
Warm-water II	sec.	14.4
Cold-water	sec.	14.4
Fresh-water max.	sec.	14.4
Container contents:		
Pre-soaking	m <sup>3</sup>	1.4
Caustic I	m <sup>3</sup>	3.3
Caustic II	m <sup>3</sup>	0.3
Warm-water I	m <sup>3</sup>	0.3
Warm-water II	m <sup>3</sup>	0.3
Cold-water	m <sup>3</sup>	0.3
Water consumption for 0,5 l bottles	m <sup>3</sup> /h	2.0
Water consumption for 1 litre VdF bottles	m <sup>3</sup> /h	3.5
Water consumption for 1 litre VdF bottles with hot bottle discharge 55°C	m <sup>3</sup> /h	2.0
Heat consumption while heating the caustic from 15°C to 80°C	kJ x 1000	960
Heat consumption while operating, caustic 80°C	kJ/h x 1000	650
Heat consumption while operating, caustic 80°C for 1 litre VdF bottles with hot bottle discharge 55°C	kJ/h x 1000	720
Power connected load	kW	19.7
Operating weight	t	16

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