LOW-ENERGY BOTTLE WASHING MACHINE

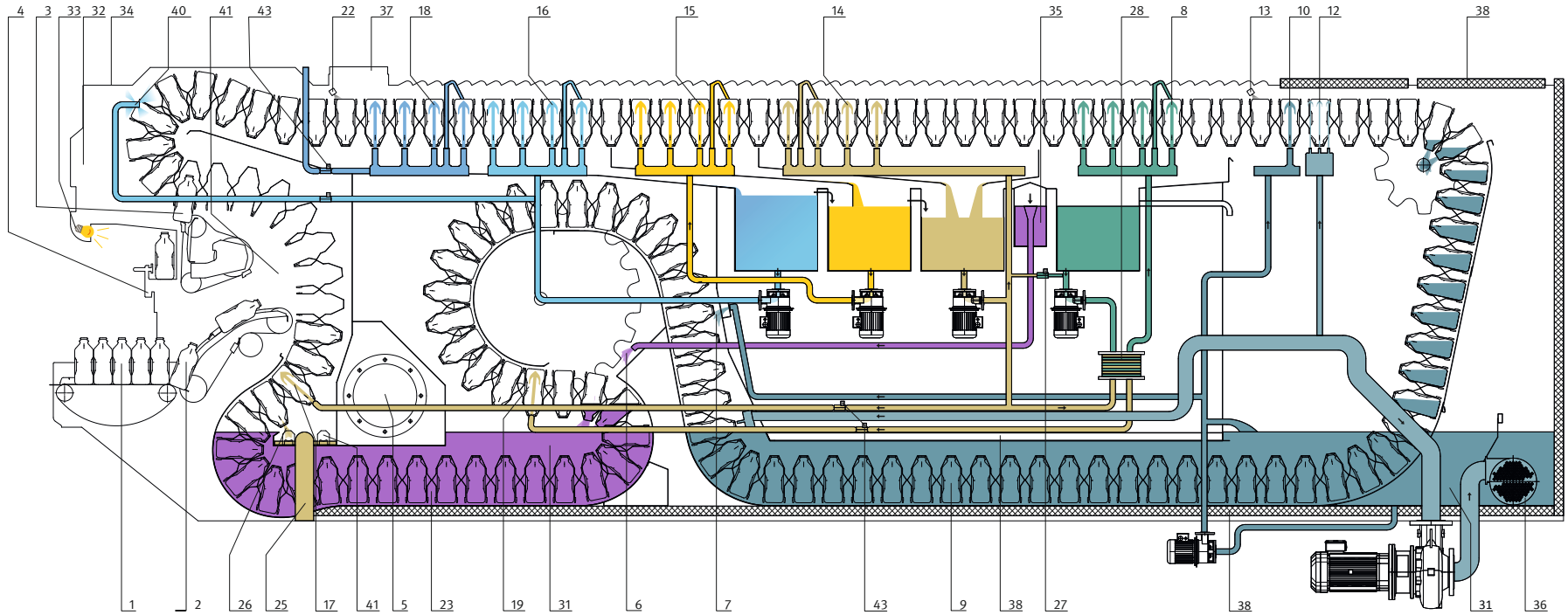
PAC ZIMMERMANN

Machine Schematic

Bottle Washer with residual liquid discharge and pre-soaking. 64 oz half gallon glass bottles

4,000 b/h CB 9-1.89-RV-8.2 Mi ng

4,000 bottles/hour



1 Bottle infeed table
2 Bottle infeed
3 Bottle discharge
4 Bottle discharge conveyor
5 Central gear drive
6 Flushing
7 Caustic pre-spraying
8 Caustic-II spraying
9 Caustic I-soaking
10 Caustic-I spraying
12 Hot caustic spraying
13 Residual caustic blow off
14 Warm-water spraying I
15 Warm-water spraying II
16 Cold-water spraying
17 On/off warmwater pre-spraying
18 On/off freshwater spraying
19 On/off heated warmwater pre-spraying
22 Residual water blow off
23 Pre-soaking
25 Drain
26 Residual liquid discharge
27 Dosage for caustic soaking tank
28 Plate heat exchanger heat recovery
31 Shards removal drain
32 Control cabinet
33 Lighting
34 Control cabinet ventilation
35 Overflow
36 Heat exchanger
37 Vapor exhaust
38 Foam insulation
40 Headspace sanitize
41 Vapor extraction for bottle infeed
43 Solenoid valve

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