

# REDEM B2 with SelfClean - scalable, redundant, compact and self-cleaning

Reliability and availability of a reverse vending machine are central requirements of the retail trade. High customer satisfaction and low operating costs are a direct consequence. The innovative self-cleaning technology marks an important milestone on the road to a largely maintenance-free reverse vending machines. The active control of the various cabinets depending on fill level, disposal cycle, material and system status ensures an optimum load profile and maximum availability.

## SelfClean: Highly self-cleaning, minimized maintenance, robust

The SelfClean concept is an important factor in the reliability of the REDEM B2. The patented solution design has been developed in such a way that contamination caused by foreign bodies and small parts are directly transported away and removed. The continuous chain link conveyor prevents the buildup of contaminants within the system. Cleaning by the personnel is reduced to simply wiping off residual liquids. Intensive life-time tests have shown that even with long maintenance intervals a safe transport of empty containers can be provided.



## NoStretch: Innovative technology, a continuous conveyor

The NoStretch concept is based on a design that successfully avoids the disadvantages of common belt link conveyors. For this purpose, the drive and transport. The joint-free conveyor section ensures robust, reliable and fast pack transport. An automatic tensioning system additionally the stability of the transport solution.

## High availability of the entire system due to redundancy and active control of the background modules

The virtually unlimited scalability of the REDEM B2 cabinets, combined with the active non-stop filling ensures maximum system availability. The acceptance is even given when individual containers are being emptied or entire cabinets are deactivated. In this case, the REDEM B2 immediately and automatically switches to the next available container, without any intervention by personnel.

## REDEM B2

### Very good ergonomics and high user friendliness

The transparent maintenance accesses allows a direct view of the LED-illuminated conveyor line along the entire length of the system. The cleaning status and any faults can be quickly recognized and localized. The ergonomically advantageous, highly container flaps (Twin Sheet process) ensure fast, spring-supported and healthy operating workflows. At the same time, the moving components are protected. Intuitive operating sequences minimize operating errors.

### A solution for many applications in handling of empties / flexibly applicable

The REDEM B2 offers solutions for the take-back and DPG-safe destruction of PET, cans and reusable glass. The modular concept allows subsequent changes to be made to the configuration of the overall system. In addition, through integration of a collection table or container at the end of the line, the additional processing of returnable empties can be made possible. The acceptance of beverage crates can also be realized.

### Benefits At-A-Glance

- Minimized maintenance due to SelfClean
- Reliability and safe transport due to NoStretch and automatic clamping system
- High availability of the reverse vending system thanks to the non-stop filling
- Modularity allows subsequent extensions to the system in the event of changing conditions
- Collection capacity per cabinet 600 PET containers\* per cabinet, almost unlimited scalability
- DPG-compliant

\* 70% 1.5 l PET, 30% 0.5 l PET bottles

### Standard equipment

- SelfClean: container residues are automatically via the conveyor belt transported and removed
- NoStretch: no loss of strength of the continuous conveyor belt, reliable and fast pack transport
- Active non-stop filling: depending on fill level, disposal cycle, material and system status
- Container change possible during operation
- Simple decoupling of a single module from system operation
- Bottle collection table/container and crate conveyor technology can be optionally integrated
- Transparent maintenance flaps and LED-lit transport section
- Ergonomic operation and space-saving when open container flap

### System-Options

#### Conformity

- Machinery Directive, EMC, CE

#### Temperature

- 10 °C to 40 °C

#### Power supply

- 2x 3 ~400 V / 50 Hz

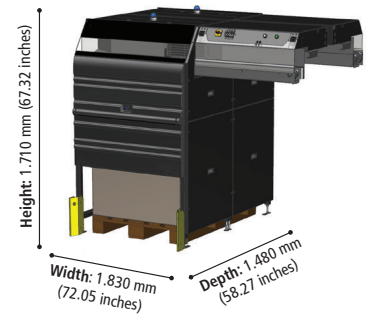
### Swap-Service

The availability of REDEM systems is ensured by the service organization of RE DEPOSIT. Through experienced technicians who have direct access to original spare parts (SWAP service), rapid restoration is guaranteed within the framework of the contractual is guaranteed.

### Dimensions

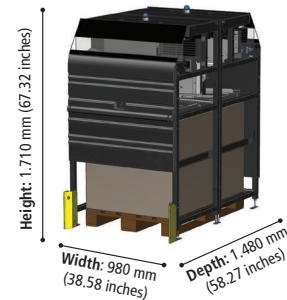
#### Front module

(incl. power supply and extended conveyor line):



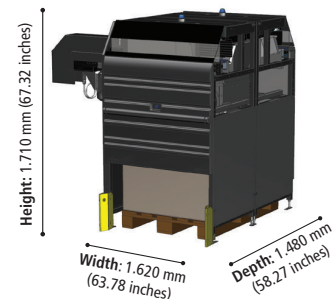
<b>Height:</b> 1.710 mm (67.32 inches)	<b>Width:</b> 1.480 mm (58.27 inches)
<b>Depth:</b> 1.830 mm (72.05 inches)	<b>Weight:</b> 450 kg (3,196 lbs)

#### Middle module



<b>Height:</b> 1.710 mm (67.32 inches)	<b>Width:</b> 1.480 mm (58.27 inches)
<b>Depth:</b> 980 mm (38.58 inches)	<b>Weight:</b> 350 kg (772 lbs)

#### End module



<b>Height:</b> 1.710 mm (67.32 inches)	<b>Width:</b> 1.480 mm (58.27 inches)
<b>Depth:</b> 1.620 mm (63.78 inches)	<b>Weight:</b> 550 kg (1,213 lbs)

Statements, dimensions, functions or other properties of this module may be subject to change