

# DEHYDRA

recycling technology 

## WASTE STATION "SC1B"

**MADE IN ITALY**



### FEATURES AND BENEFITS

The SC1B bench waste station has a solid construction in stainless steel. It has been designed to reduce the mass of the food waste by up to 55/60% and its volume by up to 80/85%. Thanks to the fine mesh of its screen filter (1,5 mm. Ø holes) it allows the collection of greater waste levels improving, at the same time, the quality of the "grey water" going to drain (less suspended solids), aiding local water authority approval. The unit has a self cleaning operation controlled by the PLC (LOGO Siemens) which undertakes a thorough clean ensuring that no food and grease stays in the unit, reducing the labour time required to operate it. The cleaning operation can be also activated by the staff at the end of each shift working or when required.

### TECHNICAL SPECIFICATION

- STAINLESS STEEL ( AISI 304) BENCH UNIT CABINET
- DIMENSIONS: ( WxDxH mm): 1000x700x900
- WEIGHT: KG. 200
- MACERATOR: kW 2,2 ( 3 hp ) - 1430 r.p.m.
- DEWATERER : kW 1,1 (1,5 hp) - 930 r.p.m.
- ELECTRICAL SUPPLY: 400 V 50 Hz
- TOTAL POWER SUPPLY: 3,3 kW
- PLC CONTROL PANEL WITH EMERGENCY BUTTON
- STAINLESS STEEL ( AISI 304) HOPPER EQUIPPED WITH 2 MAGNETS TO BLOCK ANY ACCIDENTAL DROP OF FERROUS METALLIC ELEMENTS
- GRINDING SYSTEM IN STAINLESS STEEL ( AISI 420) FOR LONG-LASTING LIFETIME
- INTELLIGENT ELECTRONIC SENSOR TO DETECT WHEN THE WASTE OUTLET BIN (16 l CAPACITY) IS FULL
- HAND HOSE SPRAY FOR KEEPING THE UNIT CLEANED
- IP55 COMPLIANCE
- UNIT CAPACITY: 300 KG PER HOUR
- WATER CONSUMPTION: < 2l PER KG



The unit is equipped with a photoelectric cell which prevents the running of the unit if the waste outlet bin is not positioned within the footprint. The SC1B waste station is designed to process food leftovers of any kind and biodegradable and recyclable items in typical "table quantities". Papers, cardboard and small bones should be collected separately, but in small quantities can be processed. Large bones cannot be processed by the unit.

The unit is designed to operate in continuous feed working cycle in clean-up area of commercial establishments' kitchens.

### CONNECTIONS

- cold and hot water inlet line: 3/4"
- minimum pressure 2,5 bar
- overflow drain line required
- drainage line required: Ø 50 mm.
- electrical socket outlet: 3P+Earth - 16 AMP

### APPLICATION

Restaurant and hotel kitchens, canteens and refectories of schools and medium size commercial establishments.

### ENVIRONMENTAL FRIENDLY UNIT

Through centrifugal action, the SC1B waste station forces out the excess liquid from the ground waste. This "grey water" is fed directly to the drain while the dewatered solid waste is collected in small, easily managed bin, ready for onward processing.



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