

BIO SERIE
140/170/220

ECOSIR
GROUP

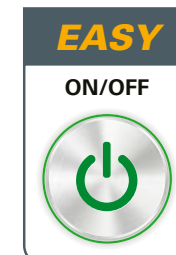
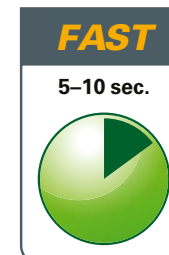
Automatic
vacuum food
waste transfer
solution



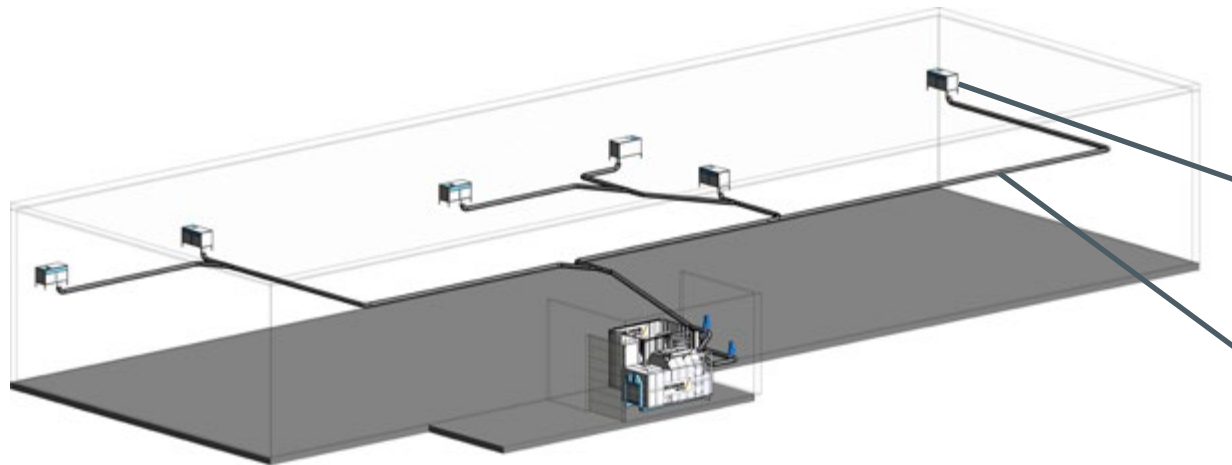
Fresh food – happy people

BIO vacuum waste system series

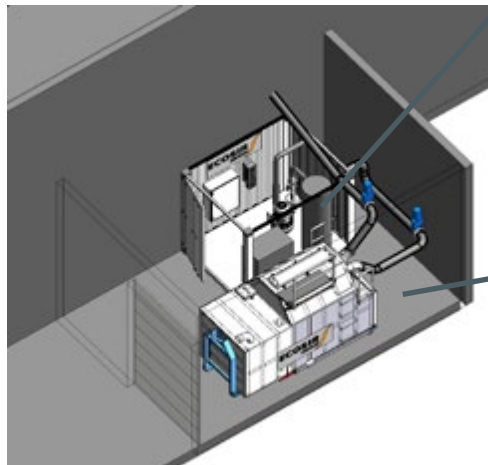
- Provides a good professional kitchen environment – waste logistics is inline with food processing automation
- More time for making food – the automatic waste transfer system minimizes disturbances and release time for valuable work
- It Is the most hygienic solution for today's food waste handling



System illustration



- A) Drop&Go -inlets (1–50 pcs.)
- B) Control panels and valves
- C) Sealed vacuum pipeline network with valves
- D) Vacuum blower unit
- E) Filter unit
- F) Frequency converter
- G) System control cabinet and program
- H) Air compressor with pipes
- I) Food waste vacuum container



BIO SERIE 140/170/220

Drop&Go™

– waste inlets

- Separate waste inlet unit or integrated with control panel and signal lights
- Stainless steel – Easy to use and to keep clean
- No shredders needed
- Highest reduction in used fresh water – transfer by vacuum power



It is so *Easy*
– Just *Drop & Go!*



Machine room and main equipment

- Vacuum system machinery, system control and sealed vacuum container
- Small space needed for vacuum system machines – (2×3×2m)
- Display in control cabinet
- Possibility to communicate with the building main control system via an optional ethernet or WIFI connections
- Remote On-Line system for reporting and remote control (optional)
- The sealed vacuum container can be located indoor / outdoor – sizes 6m³, 8m³ or 10m³



Vacuum system control unit with frequency inverter (VLT)



Compact™-machine room module



Waste vacuum container (outdoor)

Technical data and options

SYSTEM MAIN PARTS	Standard	Option
Waste inlets cone, lid, lid open/close sensor, stand alone legs	•	—
Inlet user control panel - led indicators	•	—
Inlet discharge valve for batch release and line cut-off	•	—
Pipe network - Stainless steel D140/170/220mm	•	—
System internal control wiring	•	—
Waste vacuum container 6m ³ with guiding rails, in/out flow connection closing valves	•	—
Sealed design fine particle filter unit	•	—
Vacuum power blower 35kW with inverter and program	•	—
Control cabin for BIO-serie	•	—
System program for BIO-serie	•	—
Optional features		
High vacuum power unit 45kW with acoustic hood in vacuum power cabin for large systems or demanding applications, including flow control inverter 55kW.	—	•
Sealed odor filter unit to clean odors from exhaust air	—	•
Waste vacuum containers 8m ³ and 10m ³	—	•
Motorised sewage water separation unit	—	•
Air compressor and compressed air pipe for system components	—	•
Installation supervision	—	•
ROLS Remote-On-Line-Monitoring	—	•
Service contract		•



Several tens of vacuum food waste
BIO-serie references worldwide in
university hospitals, central hospitals,
care centers, educational units
and military campuses in Asia/
China, the EU- Denmark, the Baltic
countries, Finland





www.ecosir.com

CAREMASTER

CARE 220

BIO 140/170/220

SHAFTLINE

CITYMASTER

SERVICE CARE

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