AutoWasteCollect
Compact automated pneumatic collection system for solid waste and laundry

www.urd-awc.com
URD provides technology for the automatic collection of solid waste and laundry, through its AutoWasteCollect Compact Plant, which requires minimum area and no major civil works for installation. Designed to solve waste collection up to 5 tonnes per day.

How it is operated: The user separates the waste into conventional bags, depending on the waste stream. The bags are placed in an airtight inlet. Waste is conveyed through a piped vacuum operated network, up to the Central Compacting Plant. Once there, bags are automatically stored and compacted into sealed containers, ready to be collected and brought to their destination.

This system is also suitable for the transportation of laundry, in this case without the final compaction of the bags.
• Operates 24 hours a day, 365 days a year, without designated personnel.
• Fully automated: AI software determines the optimum time to empty the inlets, depending on the capacity, the demand, the cost of the power, among other factors.
• Sealed system: avoids odours, pests and leachates.
• It eliminates the manual waste handling and movement, improving the image and cleanliness of the building.
• It is a very effective solution during high demand and occupation hours.
• Sustainable: Allows selective waste collection, increasing recycling rates.
• Control of users: by optional RFID access, users are registered and the quantity and quality of waste monitored, suitable to implement pay per generation strategies.
• Safe system for users, operators and others.
• Significant reduction of waste management costs, up to 50%.
• Frees up space for other activities, such as commercial and recreational, among others.
TECHNICAL DETAILS AND SPECS

Service range:
Up to 800 meters from the plant

Number of streams:
Depending on the requirements, up to 4

Availability:
24 hours per day, 365 days per year

Inlet emptying system:
Automatic, with interior volume sensors

Material of pipes:
Carbon or stainless steel

Air speed:
25 m/s (90 km/h)

Power of fans:
Variable, depending on the demand

Container types:
Individual or double-chamber

Required surface for the plant:
From 40 to 100 m², depending on specifications

Capacity:
Up to 5 Tn/day

USERS:

• Shopping malls
• Hospitals and Nursery homes
• Hotels and Resorts
• Ports and Airports
• Sport zones
• Theme parks
• International events
• Residential areas and Markets
• Industries
• Others