



**CENTRALISED GARBAGE  
COLLECTION SYSTEM**



**GARBAGE CHUTE  
LINEN CHUTE  
DEBRIS CHUTE**

**Env**  **cure**<sup>®</sup>

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# CENTRALISED GARBAGE & LINEN CHUTES SYSTEM

## DESIGN OF CHUTE

### CHOICE OF MATERIAL

EnvCure strongly recommended the use of **Stainless Steel** for the manufacture of garbage chutes. Stainless Steel is highly resistant to the humidity, acid and alkalis contained within garbage.

### MATERIAL THICKNESS OF CHUTES

EnvCure provides the following material thickness: **1.0 mm / 1.2 mm / 1.5 mm**

### CHUTE & DUCT SIZE

TYPE OF BUILDING	CHUTE DIAMETER	DUCT OPENING
Residential	400 mm / 450 mm	600 mm X 600 mm
Residential	500 mm	650 mm X 650 mm
Commercial	600 mm	750 mm X 750 mm
Malls / Hotels / Hospitals	700 mm	900 mm X 900 mm

- Front wall shall be constructed after the erection of chute.
- Provide single phase power connection at top most level & garbage room, water connection with isolation valve, and 1" wet riser for fire protection system.

## INTAKE DOOR

- Intake doors are designed to discharge garbage directly into a garbage chute or a container.
- Intake door are top opening & bottom hinged.
- Intake door are self-closing with a positive latching / Gas Pump system.
- Fixed with chute throat in face with front wall.

CHUTE DIAMETER	INTAKE DOOR SIZE (STANDARD)
400 mm / 450 mm	300 mm x 350 mm
500 mm	340 mm x 420 mm
600 mm	380 mm x 460 mm
700 mm	520 mm x 520 mm



## VENT

- Air Exhaust Fan installed at the top of the chutes, usually above roof level to remove foul smell and maintain a smooth flow of fresh air within the chute.

## DISCHARGE & GARBAGE BIN

- Garbage chute is directly connected to trolley.
- Conical hopper type discharge end to avoid spoiling of garbage.
- Standard sized plastic trolley provided with the chute.



# CENTRALISED GARBAGE LINEN CHUTES SYSTEM

## CHUTE CLEANING

### ◆ SPRINKLER / MANUAL CLEANING SYSTEM

- PVC piping is used along the length of the chute which is connected to the main water tank of the building.
- Handy sprayer tool is connected to water nozzle and used for deep cleaning of the chute, throat and intake door at each floor.
- Solid cone profile discharge sprinklers located at all floors behind the door opening for cleaning issues.

## DISINFECTING AND SANITIZING UNIT

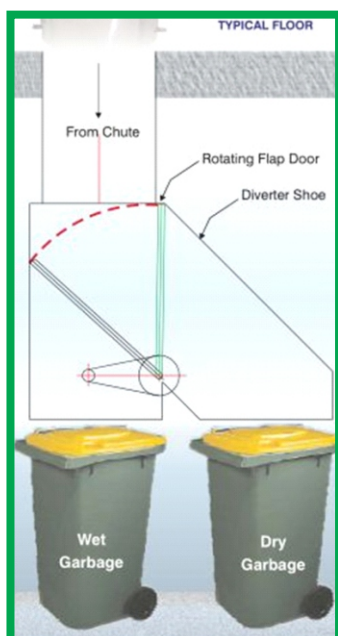
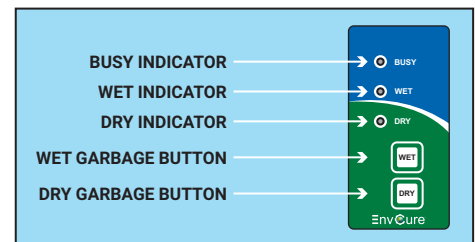
- Disinfectants are added in normal water line by motorized pump during cleaning cycle.
- This unit is installed at roof level which is operated by electrically control panel / manually.
- Disinfectant and sanitizing unit overcomes the problem associated with the chutes-strong odours.

## FIRE SAFETY

- Glass bulb sprinklers installed inside the chute in each floor / alternate floor / lower initial floor.

## SEGREGATED GARBAGE COLLECTION SYSTEM

- More than one user cannot use garbage system at a time.
- Diverter link is set at the discharge end of the garbage chute.
- Mechanically operated rotating arm diverts the Dry garbage and collected in separate bin.
- LED Panel & Waste Selection at each intake door
- Close all intake door while maintenance & cleaning operation.
- Single door access at a time



**SEGREGATION & COLLECTION SYSTEM**



**ACTUAL SITE IMAGE OF GARBAGE CHUTE**

# CENTRALIZED DEBRIS CHUTE

## KEY-FEATURE

- Single point collection of entire building construction and demolition (C&D) waste
- Easy to use , assemble and dismantle as per requirement
- Reusable for multiple sites or projects
- **Material:** Mild Steel
- **Thickness:** 1.5 mm
- **Chute Up-side diameter:** 600 mm
- **Chute Down-side diameter:** 500 mm
- **Length:** 1 meter
- **Chute Inter Locking:** Chain Mechanism
- Spray painting with hardner.
- **Mounting:** Floor support structure, anchor fastener.



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