



**INNOVATIVE
ENGINEERING**

Go Green there is no planet B'

Our Products :

- **Garbage Chutes**
- **Debris Chutes**
- **Organic Waste Composter**

CONTACT US:

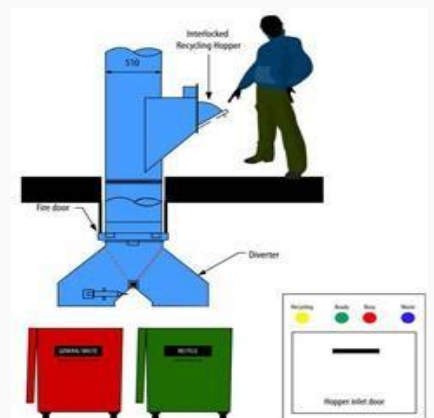
+(91) 869 802 8683

+(91) 879 386 7942

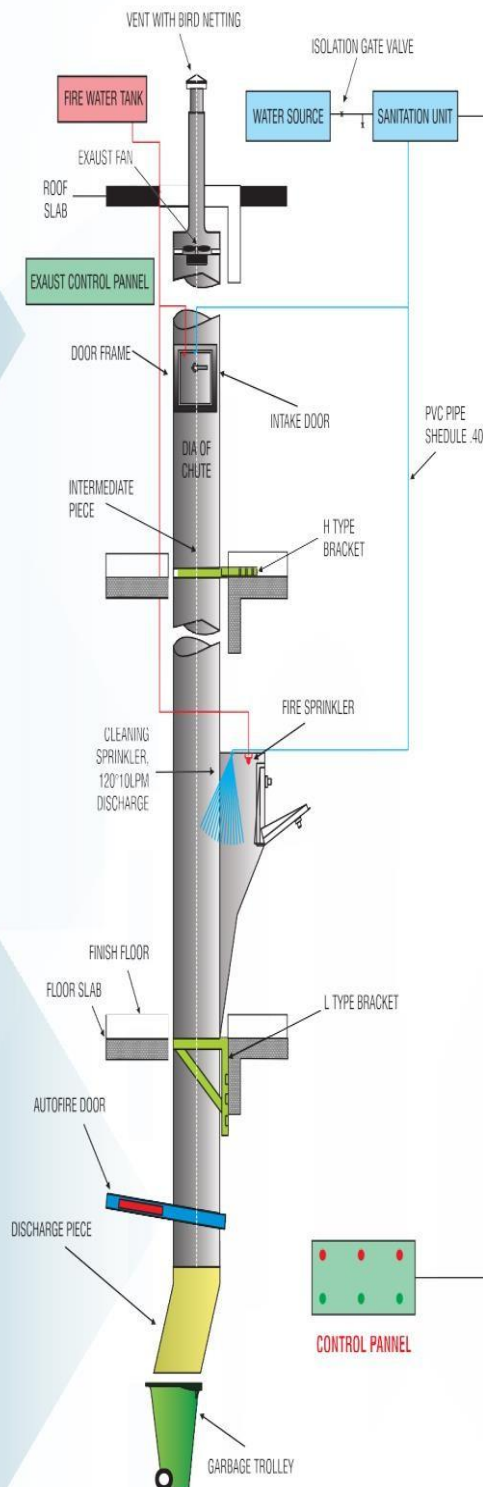
Email : innovativeengineering.project01@gmail.com

Factory Address:

**Survey No.-37, Behind Neelambari
Traders, Walhekarwadi Road,
Chinchwad, Pune-411033**



STANDARD GARBAGE CHUTES



ABOUT US

Founded in 2018 with specific focus on waste management solutions, Innovative is considered as the most trusted brand in garbage chutes. Our garbage chutes are manufactured in compliance with National Building Code of India (NBC 2005) and manufactured in stainless steel. Innovative garbage chutes are highly durable and robust. It also includes fire safety features like auto-closing fire door at bottom of chute, fire sprinklers and fire-rated intake door.

BENEFITS OF GARBAGE CHUTE

1. Garbage from all the floors gets collected at a single point on the ground floor.
2. Garbage could be disposed at any time and multiple times in a day.
3. Allows segregation of garbage into "DRY" and "WET".
4. It makes garbage disposal safe and hygienic.

GARBAGE CHUTE SYSTEM

In large buildings, it is not practical for residents or housekeeping staff to move large quantities of garbage from floor to floor on elevators and stairways. Garbage Chute provides an easy and convenient method of garbage collection in multi-storied buildings. Garbage chute is the best way to consolidate garbage from around the building into a single location for easier collection.

MATERIAL OF CONSTRUCTION

In manufacturing of chute, we use stainless steel SS 430 / SS 304 grade having thickness of 1.2 / 1.5 / 2 mm depending upon the diameter of chute. Also, stainless steel is corrosion resistant, hence gives maximum durability.

As per customer and market requirement, we also manufacture Garbage Chutes in FRP and GI.

INTAKE DOORS

Intake doors are as shown in the figure; they have a bottom-hinged and self-closing hopper-type door. The door is fitted with a hydraulic rod which ensures a smooth and silent closing of the door. Also, the door has side checks to avoid spillage.

INTERMEDIATE PIECE

It's also called as Shaft of Garbage Chute. It's the main part of the system and runs through out the system. It is manufactured in stainless steel (SS 430/304/GI /FRP). The standard diameter of shaft is 390mm/450mm/600mm. However, it can be manufactured in required diameter.

SANITATION UNIT

It is the automated cleaning system of the garbage chutes. In which all system are clean from inside from one control panel which is fixed into the garbage room. Cleaning sprinklers are provided at every intake opening. These cleaning sprinklers are 120 degrees, full cone and solid profile high pressure water jet sprinklers which ensures proper cleaning of surface from within.

AIRVENT

It removes foul smell and harmful gases generated from garbage. It is provided at roof level and operated by timer based control panel to save power. Vent diameter is reduced at top and gives 20/40 air changes per minute.

FIRE SPRINKLER

It is installed at top and bottom floors and every alternate floors. In case of fire as temperature rises beyond 79-degree Celsius fire sprinklers open and release water.

SEGREGATED GARBAGE CHUTE SYSTEM :

Latest Municipal and Environmental rules mandate separate disposal of DRY i.e. recyclable waste and WET i.e. biodegradable waste. Segregated Garbage Chute allows collection of DRY and WET separately using single chute. It also helps to save cost and space for installing multiple chutes.

HOW IT WORK

- All doors are electronically locked at any given time.
- User selects Dry or Wet options on selection panel next to door.
- Chute converts to respective mode Dry or "Wet" by rotating flap door in the garbage room.
- Only door where selection is made is unlocked and Garbage bag goes into respective trolley.
- Meanwhile all other doors are electronically locked flashing "Busy" indicator.
- Once the door is closed system is reset for next use.

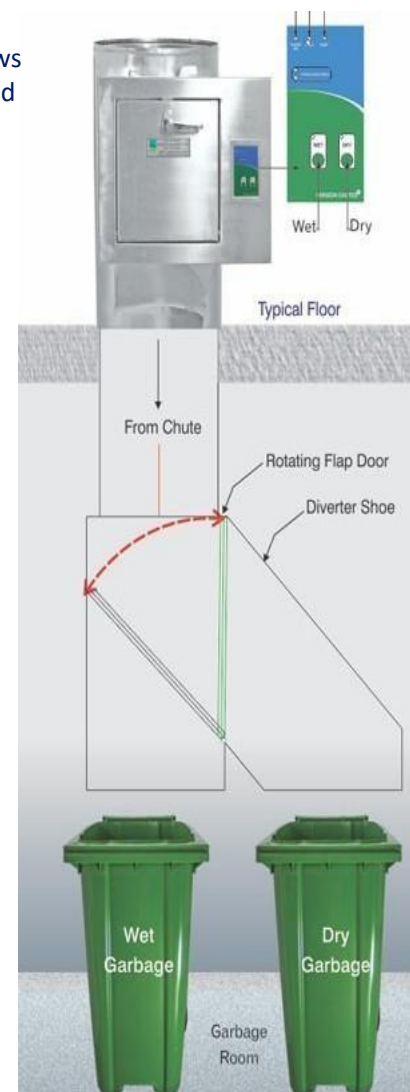
INSTALLATION REQUIREMENT

Our Garbage Chute can be easily installed in any duct, common lobby, mid landing, staircase, mid landing, utility duct, dry balcony or kitchen.

Garbage room size: IN MTR

- Standard Garbage chute (1.5 MTR * 1.5 MTR * 2.5 MTR height)
- Segregation Garbage chute (2 MTR * 1.5 MTR * 2.5 MTR height)

Type of Building	Chute Diameter	Duct Size
Residential	390/450 mm	600x600 mm
Commercial	600 mm	750x750 mm
Commercial	750 mm	900x900 mm



DEBRIS CHUTE SYSTEM :

(MS – PVC, HDEP – FRP)

Getting Debris off the under construction site is basically a material handling problem which not only results in loss of time and cost but it is distress for project engineer. Our Debris Chute is most efficient and cost effective solution for above problem. Our Debris Chute eliminates dust and danger of flying debris on site, thus providing occupation safety to workmen. We have expertise to create drum debris chute for removal of construction debris safely. Removing of debris is harder task for site in-charge. The material of chute is made of MS or HDPE (empty Chemical Drums) and installed with strong holding support of MS frame which is fastening on every floor.

FEATURE & SPECIFICATION

- Removing of debris safely.
- Single point collection of debris.
- Reduces accidents due to falling debris & provides safe working atmosphere for staff, visitors & workers.
- Reduces use of manpower for removal of debris.
- Hassel free installation and dismantling.
- Cost effective and reusable.

PROVISIONS FOR INSTALLATION

- Clear open front space (700mm) from floor to slab for installation.
- Scaffolding should be provided if required Electricity required for drilling and welding.
- Any civil or demolition work will be in your scope (if required).
- Material space and safety will be provided at site

MATERIAL TO BE USED

- Material of construction for it is FRP, MS or HDPE empty drums which having diameter 600mm.
- Use "L" or "H" type brackets for installation at every floor lever for higher holding capacity At the time of erection we use Solid Square bar for holding two units of drum.
- Use high tensile fastener for bracketing at each floors.
- Appropriate opening will be provided for debris through (Approx.450 X 450)

FRP CHUTE



MS CHUTE



HDEP/PVC CHUTE

