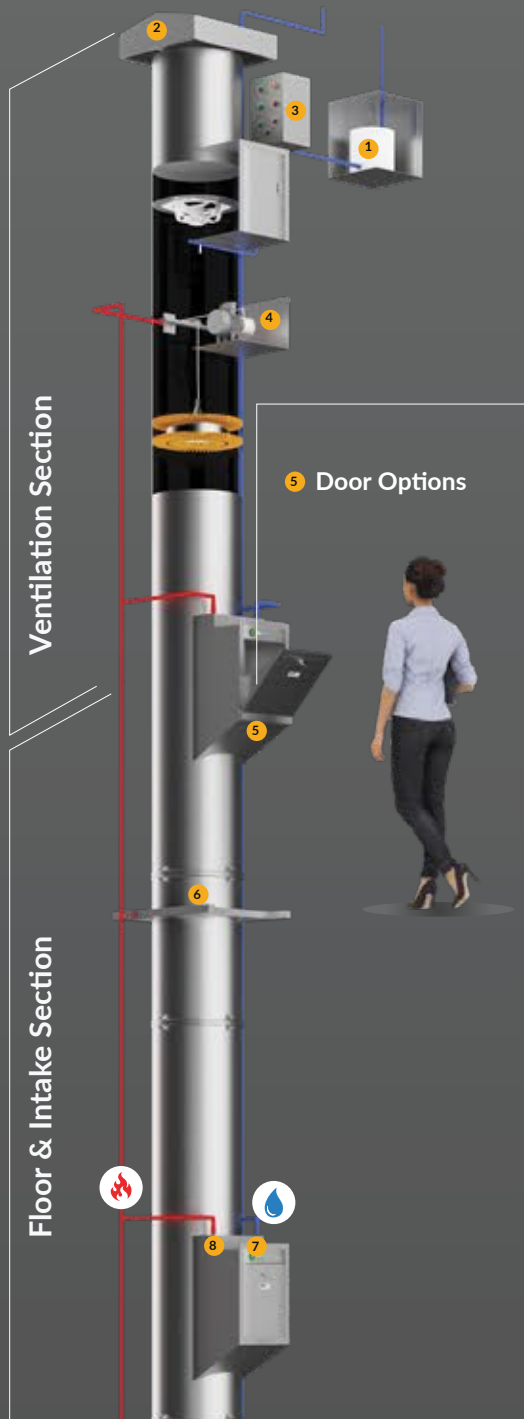
kleanchute

Revolutionary waste disposal and management systems

Garbage Chute



1 Disinfectant & Sanitation Unit (D&S)

- Central Cleaning Sprinkler
- Gravity-based Operation Bar pressure - 0.5 to 1

2 Ventilation

- Same/Reduced Diameter canopy/cowl
- 20 Air changes per hour

3 Electrical Control Panel:

- Rugged heavy-Duty panel
- CE accredited Approved parts

4 Automatic Brush Cleaning System

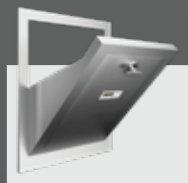
- Nylon Bristles
- Pully System

NEW

Hydro Jet Cleaning System

- Jet Spray Nozzles
- Detachable Cleaning for Maintenance

5 Door Options



Standard Door

- Self-closing & positive latching
- Imported Handles with master key lock

Interlocking Door

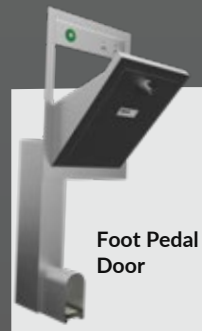
- Standard Door
- \+ one user at a time
- \+ Power efficient design -240 VDC

Recycling Door

- Interlocking Door
- \+ 2/3 WAY waste selection

Touch Free Door

- Interlocking Door
- \+ Touch-free soft closing mecha-nism



Foot Pedal Door

- Pivot enabled Doors
- All the options are available

6 Supports / Brackets

- Hot dip galvanised Metal Brackets
- H Type and L type brackets
- Clamping of Pipes.

7 Cleaning Sprinkler:

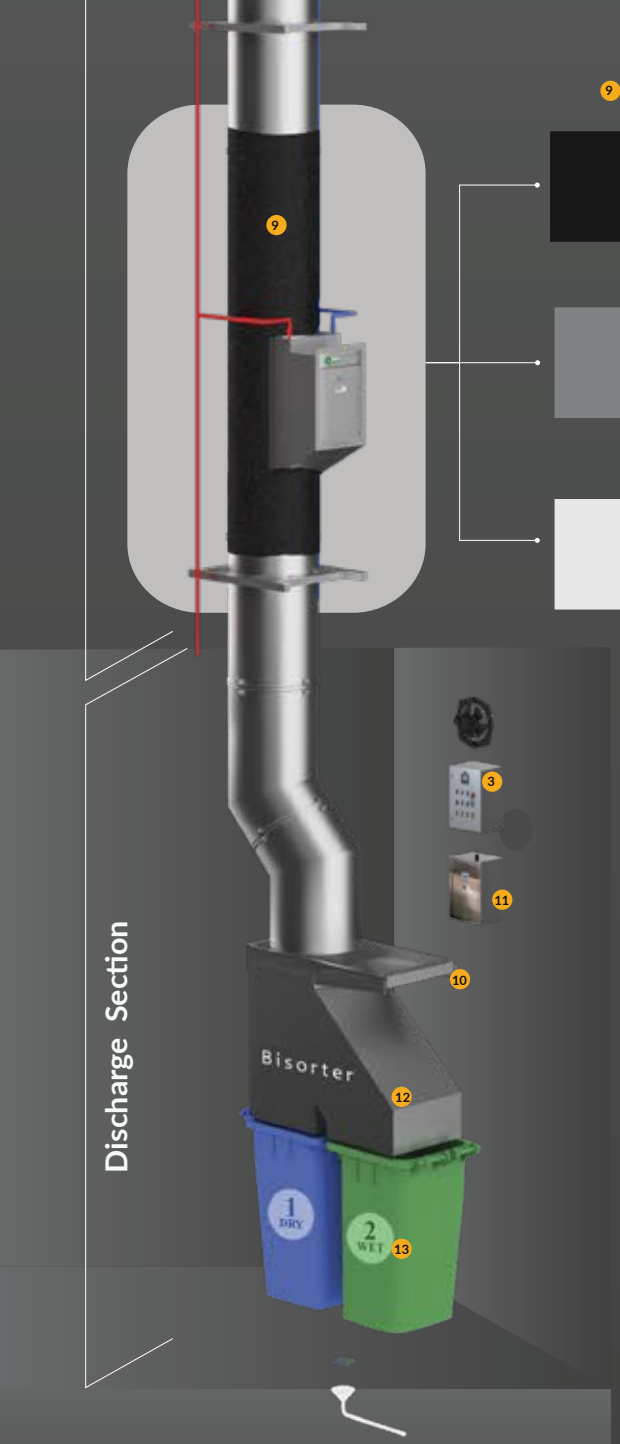
- Full Cone Open Spray Nozzle
- MOC-PP/Brass

8 Fire Sprinklers:

- UL Rated- Pendent Type
- Standard Response

CLASSIFIED UL R27494
90 mins

CBRI
120 mins



9 Coating Options

Sound Dampening Coat
- Reduces Sound level between 5 to 15 db

Minwool Insulation
- Sound reduction and fire safety

Custom Coat
- Lacquer, Bitumen Paint, Epoxy Paint

10 Fire Discharge Gate – FDG
- Horizontal Rolling fire shutter door

Opt: Accordion Fire Damper
- Scissor Contract Spring Loaded System

11 Odor Control Unit
- A Vaporized liquid to neutralise Odor

12 Waste Segregation System
- Bisorter : 2 way Multi Sorting System
- Trisorter : 3 way Multi Sorting System

13 Trolley And Containers
- MOC – HDPE/Metal
- Capacity – Standardized sizes 360 ltrs, 660 ltrs, 1100ltrs
- Customized Static Containers and trolleys for compactors

Permitted Waste & Weight Limits:

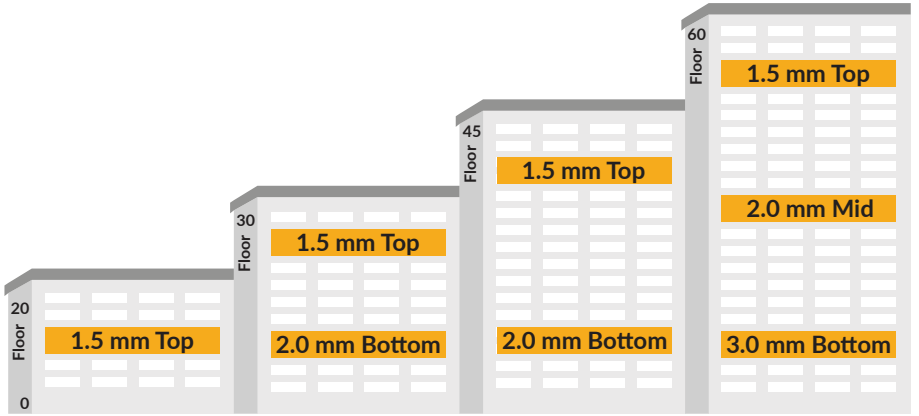
Permitted Waste	Kg
Cardboard stacked flat or baled, folded newspaper	500
Food Waste, well compacted	600
Vegetable Waste, Uncompacted	200
Empty Bottles	300
Mixed General refuse, Similar to domestic	150
General office Waste and Paper	50
Waste Paper Loose in sacks	20

Correct Chute Size – Door Size – Plastic Bag Size:

Chute Diameter (mm)	Correct Door Size (inches)	Correct Plastic Bag Size (L)
450	12 × 15	30 – 40
500	15 × 15 / 15 × 18	40 – 60
600	16 × 24 / 20 × 20	60 – 80
700	24 × 24	80 – 100
Custom	Custom	As per design

- Sizes selected to ensure smooth gravity drop without jamming or rebound.
- Final selection depends on waste type and project-specific requirements.

Chute Wall Thickness as per Floors:



- Minimum 16 U.S. gauge (~1.5 mm) as per NFPA 82; thicker sections recommended based on building height and engineering design.
- Material: SS 304 (standard) / SS 316 recommended for coastal, wet-waste intensive, or high-corrosion environments.

Automatic Handing

Rotary Trisorter NEW

- 3way Multi Sorting System Customized as per the size of the chute

Linear Carousal

- Linear/Straight line motion of bins
- Sizes 240ltrs to 1100ltrs

Rotary Carousal

- **Rotate 360 Deg**
- **Sizes 240ltrs to 1100ltrs**

Compaction

Compactors:

- Vertical & horizontal compaction options

Vacuum Systems

Pneumatic Systems

- Vacuum-based suction system

Applicable Standards:

NFPA 82: 2024
BS 1703:2005
NBC 2005, BIS
BIS 6924:2001

Certificate:

UL10 B for Fire Rating
CBRI - EN 476 Part (20 & 22)

Chute Sizes:

400mm to 900mm diameter.

MOC:

SS316 / SS304 / SS430 / Gi / Pe

www.kleanchute.com

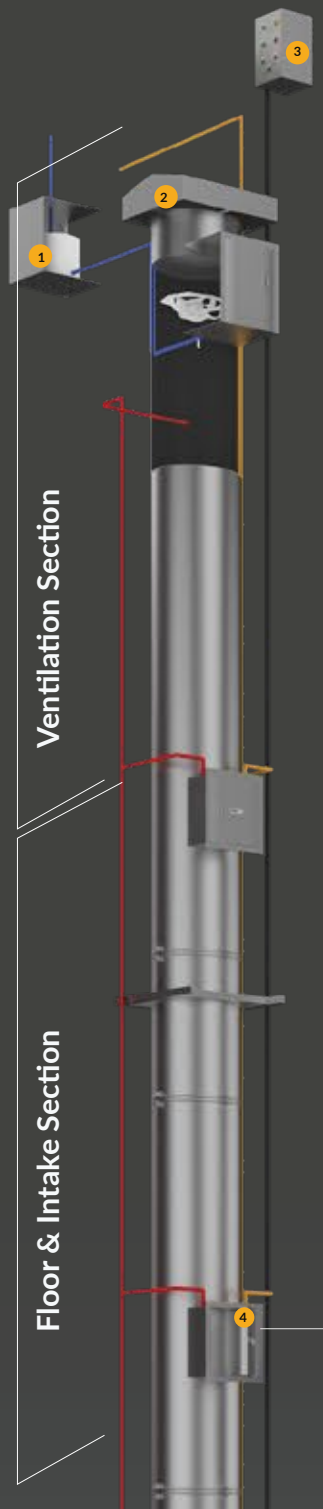
Kleanchute offers high quality & technologically advanced stainless steel chutes to assist in this centralized collection & disposal of waste or linen. Advanced solutions such as electronic interfaces, automatic cleaning systems, fire security alarm integration etc have made such chutes very safe to use and widely accepted worldwide.

Kleanchute Debris Chutes are made from High Molecular High Density Polyethylene (HMHDPE) to provide effective solution to safe and pollution free disposal of debris in contruction sites.

Features of Garbage chute

- Safe & Secure
- Quick, Simple & convenient disposal of waste
- Low Cost method of disposing waste
- Timely Waste Collection
- Resistance Microbic

kleanchute



Linen Chute

1 Disinfectant & Sanitation Unit (D&S)

- Central Cleaning Sprinkler
- Gravity-based Operation- 0.5 Bar pressure

2 Ventilation

- Same/Reduced Diameter canopy/cowl
- 20 Air changes per hour

3 Electronic Control Panel

- Rugged heavy-Duty panel
- CE accredited Approved parts

4 Door Options

Standard Door

- Side opening door
- Manual-closing & positive latching
- Optional : Self closing with Industrial Grade Gas springs & damper.

Interlocking Door

- Standard Door
- Allows one user at a time

TOUCH FREE

Touch-free Interlocking Door

- Interlocking Door
- Touch free soft closing mechanism

Debris Chute

Features of the Kleanchutes Debris Chutes

- Larger 24" inside diameter
- Thicker, more resilient HDPE
- High Abrasion Resistance
- Easy to install/Dismantle
- Reusable Multiple times

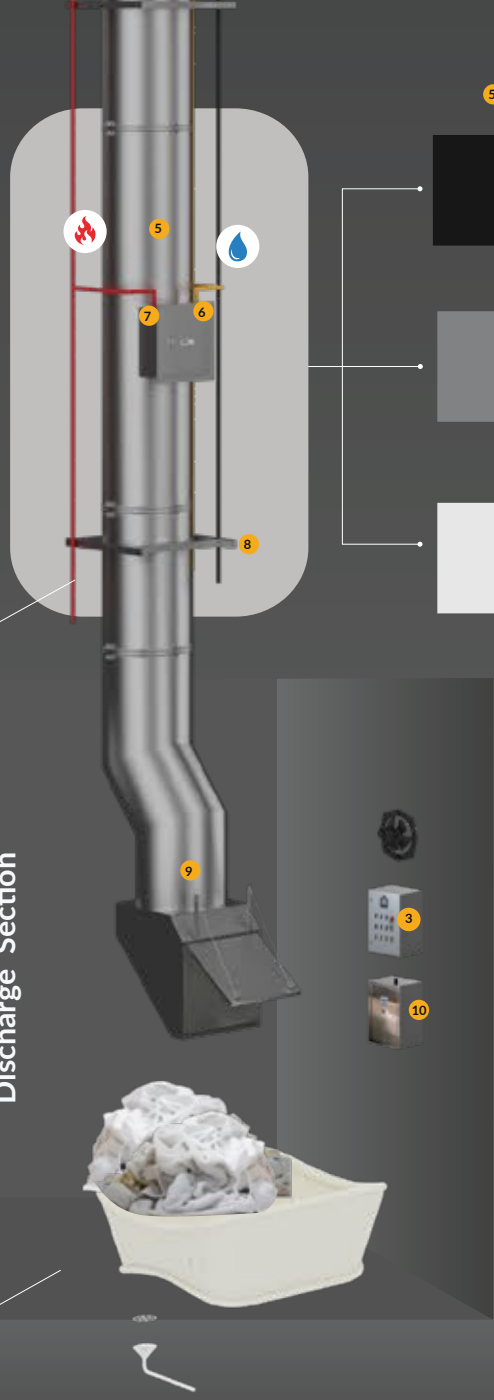
Premium Debris Chutes

- HDPE pipes - PN6
- Used for High Rise Buildings
- Intake Hoppers are made of MS-galvanized with cage grills
- Robust MS supports/Brackets/angles for installation

Modular Debris Chutes

- Roto Molded HDPE modular tubes
- Telescopic Chute body
- Intake Section is made of MS-galvanized with cage grills
- Robust MS supports/Brackets/angles for installation

>20 Floor



5 Coating Options

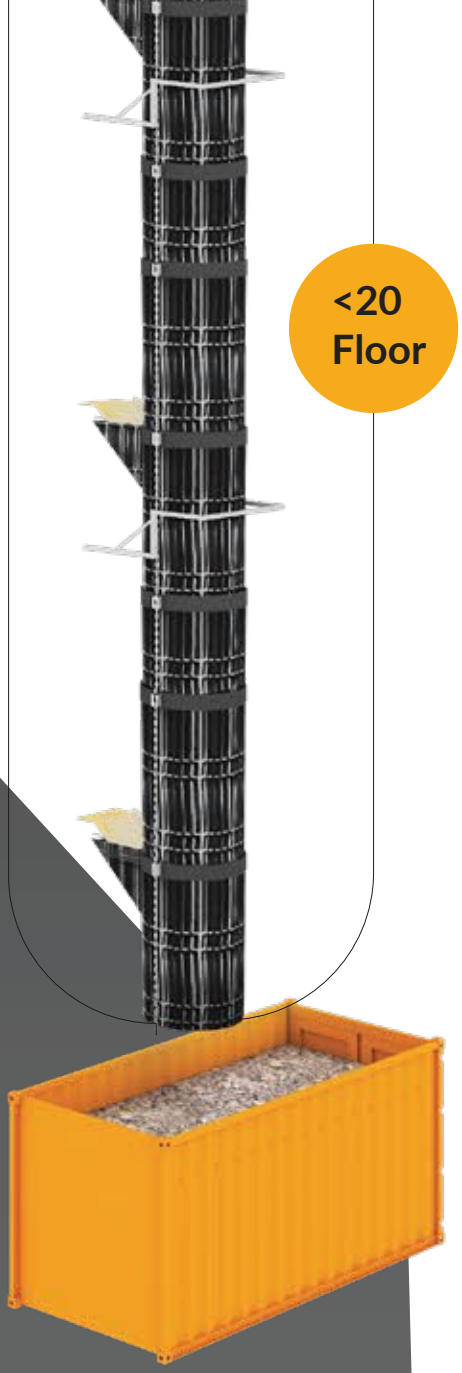
Sound Dampening Coat
- Reduces Sound level between 5 to 15 db

Minwool Insulation
- Sound reduction and fire safety

Custom Coat
- Lacquer, Bitumen Paint, Epoxy Paint

Application Area

- Roofing
- Renovation
- New construction



6 Cleaning Sprinkler:
- Full Cone Open Spray Nozzle
- MOC-PP/Brass

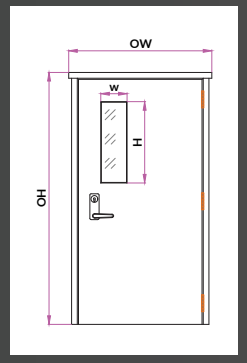
7 Fire Sprinklers:
- UL Rated- Pendent Type
- Standard Response

8 Supports / Brackets
- MS Brackets Hot dip galvanised
- H Type and L type brackets

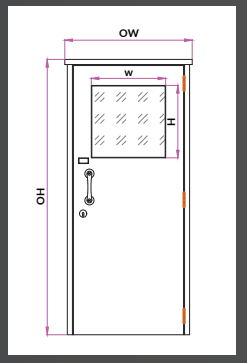
9 Fire Discharge Bend
- TYPE "D" Hung Doors
- Top hinged connected with spring counter balance

10 Odor Control Unit
- A Vaporized liquid to neutralise Odor

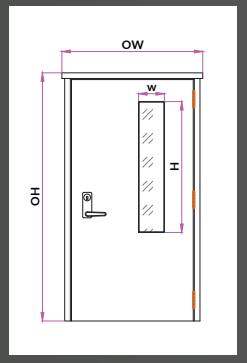
Agnidwar Fire Rated Doors
Prioritizing Protection



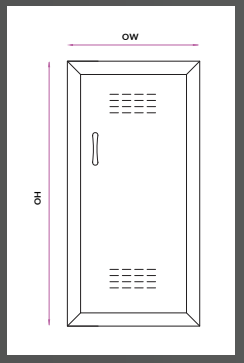
All-purpose Doors



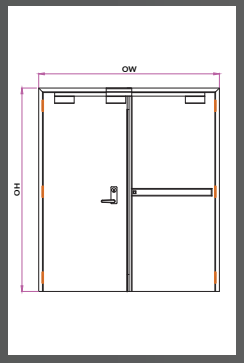
Kleanroom Door



SoundSafe Door



Duct Safety Door



Self Close Door

Why Choose Sangir Agnidwar Fire Rated Doors?

- Certified Excellence: Tested and certified by CBRI to meet the highest Indian Standards.
- Versatile Options: Available in multiple infill materials for both un-insulated and insulated needs.
- High Fire Ratings: Offering protection for 60, 90, and 120 minutes.
- Enhanced Safety: Complements existing fire safety systems for comprehensive protection.

TEMP RISE

120°C Unexposed Side

Insulation **30** Min

AGNIDWAR

CBRI **120** mins

Our Clients

Kleanchute Projects

SANGIR as a group, exports products to over 30countries over the world and even Kleanchute reach several countries around the globe.

Navi Mumbai International Airport (NMIAL)

YOM	:	2024
Total Installation	:	Phase 1-Lines 2
Chute Dia	:	750 mm
MOC	:	SS 304 x 1.5 mm thk
Coating	:	SoundDampening (2.25mm) Special floor-to-floor separation Custom Fire Intumescent Coating

Jio World Centre (DAICEC)

YOM	:	2022
Total Installation	:	23 Locations
Chute Dia	:	600 mm &450 mm
MOC	:	SS 304 x 1.5 mm thk
Coating	:	SoundDampening (2.25mm) PneumaticVacuum System PLC Panel with Keypad/Swipe card

Mumbai Internation Airport
Floor: 30 | Line: 6 | Dia: 750

K Raheja - Vivarea Tower
Floor: 44 | Line: 2 | Dia: 400

My home - Tridasa
Floor: 30 | Line: 9 | Dia: 450

Multi CR - Solaris conchal costa rica
Floor: 33 | Line: 2 | Dia: 450

Mahindra - Antheia
Floor: 46 | Line: 4 | Dia: 400

Syscon - Burhama (Bahrain)
Floor: 36 | Line: 1 | Dia: 600

www.kleanchute.com

Corporate Office

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Branch Offices :

Vadodara I Ahmedabad I Vapi I Bharuch I Kolkata I Bangalore I Delhi I Chennai I Pune I Hyderabad I Visakhapatnam

Manufacturing Sites :

Vapi - Gujarat I Jaipur - Rajasthan I Indore - Madhya Pradesh

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