

1.0 LINER SECTIONS / SYSTEMS

TM® supplies primary intake liners featuring a fully welded "sloping throat area" at the Intake door, insuring materials drop easily to the bottom. Variable height tube liners and frame, complete the sections for each floor. The Standard Chute diameter is 600 mm. Liner systems may upgrade to a 710 mm for bagged laundry. Diameters are available up to 800mm. The system integrates other components for fire rating compliance.



Chute systems are both available in Galvanized Steel or Stainless Steel

2.0 DOORS

T.M. supplies, certifies, installs & repairs Stainless Steel Chute doors, all of which "Self-Close & Positively Latch"

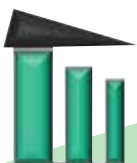
We carry basic Bottom Hinged Garbage; Disposal; Recycling & Side Hinged Liner doors. Some are also used for "Thru the Wall" TTW Ground floor Waste Management Systems. Additionally, we carry a range of specialized & replacement doors.



Our Recycling door has a low voltage electrical interlock feature providing superior system access control, integrated with our advanced Control Panel - this system may appeal to projects seeking LEED certification.

3.0 UNIQUE FEATURES

All supplied chute parts comply with stringent German industrial code VDI2162, those codes specify the optimum installation heights, fixation methods and vibration reducing techniques. Additionally, 3-4 mm noise insulation with Pyrmo Hell 145-70 provides a silent application and fire retardant property.



4.0 FIRE RATED COMPONENTS

All our systems are supplied with a fire sprinkler and fire cut off door, insuring your system is kept in Code compliance. Also, we carry all integrated Fire Rated components and provide Emergency Service OR certified Preventative Maintenance programs.

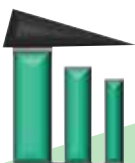
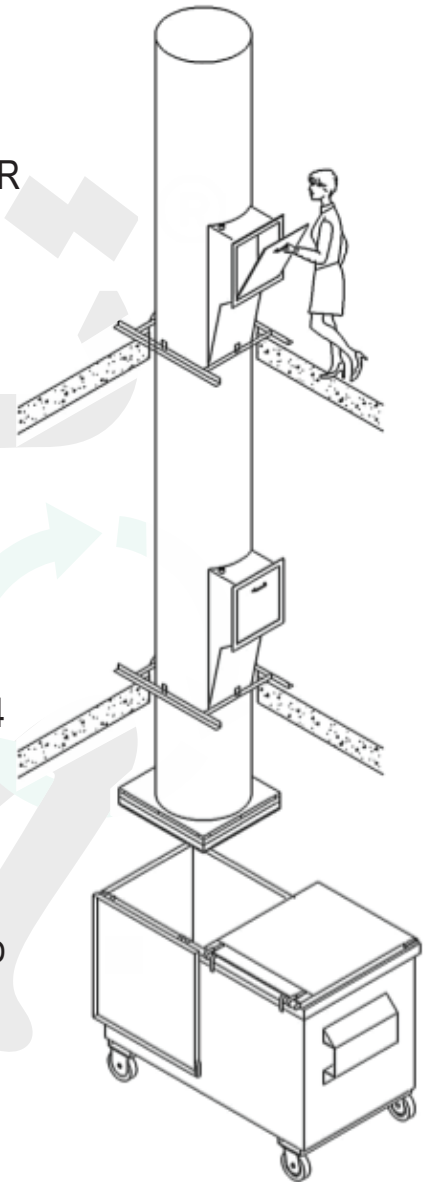
5.0 SANITIZATION AND VENTELATION

As a standard features, all installed systems include an exhaust fan that ensures a continuous air circulation inside the chute. Additionally, a sanitization dosage device and optional motorized brush ensure the control of refuse residues inside the chute.

6.0 COMPACTORS

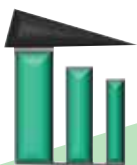
Depending on the provided access and room area, T.M. can provide 4 different refuse disposal options:

- I. Standard four wheel DIN standard receptacles, to collect the refuse directly.
- II. Fixed chute refuse pushers, that compacts refuse with a ratio of 1 to 2, then ejects into an open bin.
- III. Mini compactors served with mini hook loaders or chain loaders for low height clearance.
- IV. Large Hook Loader compactors with up to 5 to 1 compaction ratio



7.0 PARTIAL LIST OF CHUTE PROJECTS

S.No	Project	Contractor	Consultant
1	G+5 & G+8 Harvard Medical School Dubai – Dubai Health Care City,	Al Naboodah Contracting Company	Arif & Bintook Consultant Architects & Engineers
2	G+4 bldg at Baraha, Dubai	Al Naboodah Contracting Co.	Adam Bureau for Design
3	4 no - G+5 Building for Dubai Festival City	Al Naboodah Contracting	Khatib & Alami Consolidated Engineering Company
4	3B+G+18 Floor Residential Building Ms.005 Imp2 Dubai	ANC Contracting LLC	BDPL Gulf Architects & Consultants
5	3B+G+7 Res Building No Plot 317-532 Block Al Mankhool (Sheraton hotel at Bur Dubai)	ANC Contracting LLC	ARENCO
6	3B+G+23+PENTHOUSE OFFICE & COMMERCIAL DEVELOPMENT, at Business Bay, (BILHAB TOWER)	ANC Contracting LLC	Arkiteknik International Consulting Engineers
7	(B+G+6+R) ACSS Office Building, On Plot No. DOZ/31 Dubai Outsource Zone	United Engineering Contracting	Khatib & Alami Consolidated Engineering Company
8	3B+G+12+Health Club Building at Al Barsha First (Chelsea Hotel)	Al Mazrouei Bowyer Building LLC	Arif & Bintook Consultant Architects & Engineers
9	4 NO - B+G+8 Floor Residential Building at Dubai, Silicon Oasis,	Saleh Construction	LACASA Architects & Engineering Consultant
10	5 NO - G+3 Story Staff Accommodation Building on Plot No.359-927 al Quoz For Government of Dubai	Bin Zayed Contracting LLC	ORION Engineering Consultant
11	G+M+5 Floors at Al Barsha (Centro Hotel)	Shapoorji Pallonji Mideast LLC	Nasser Engineering Services
12	G+3P+30 Floors Regal Tower – 2 at Business Bay Dubai	Al Rajhi Projects Contracting LLC	Khatib & Alami Consolidated Engineering Company
13	G+3P+27 Floors IRIS BAY Development @ Business Bay	Al Habtoor Engineering Enterprises	Ws Atkins Partners Overseas
14	4B+G +42+3 service floor on plot 392-296 at Dubai marina Trident Grand Residential Building	CSHK Dubai Contracting	RMJM Architects
15	3B+G+3P+18 +GYM floor Mayfair Residency – on plot BB.A06.047 and 3B+G+3P+17 +GYM Mayfair Tower on Plot BB.A06.049 for DEYAAR DEVELOPMENT at Business Bay, Dubai	Engineering Contracting Co LLC	Arab Expert Engineering Consultant
16	Linen chute for G+9 Floor -Aviation Club Hotel, Al Garhoud, Dubai At Plot No. B214 – 233	Al Rostamani Pegel LLC	RMJM Architects
17	Commercial & Residential Tower, 2B+G+29+Mech. Floor & 2B+G+1 on plot 392-445(5N), ORRA MARINA TOWER at MARSAA Dubai for Global king Technology,	Shinsung Engineering & Construction Co Ltd	Al Hawraa Engineering Consultants
18	B+G+21 Floors Commercial & Residential Development On Plot No. 231-124 Al Nahda First, Dubai	Bin Belalaa Contracting	Arkiteknik International Consulting Engineers



8.0 PROVISIONS FOR CHUTES

Required Minimum Duct Size for Installation

Chute Diameter	Duct/Slab Opening
(450mm)	650 x 650 mm
(600mm)	800 x 800 mm
(750mm)	950 x 950 mm
(800mm)	1000 x 1000mm

1. Front wall should be constructed after the erection of chute.
2. Provide 10 Amps. MCB, earth, neutral, Single Phase power point for exhaust control panel near top must intake level.
3. Provide 600 x 600mm Access door fixed 200 mm above top most intake door.
4. Provide water connection with isolation valve as per chart given below

No. of intake hoppers	Size of water Riser pipe
0-7	25mm ND
0-15	40mm ND
0-25	50mm ND
0-40	65mm ND
0-50	75mm ND

5. 1/2" Ball valve at roof level for sanitation unit.
6. Provide wet riser size 25 mm to 75mm for firefighting system for total building height outside chute duct as per diagram.
7. Connect fire sprinklers provided by us at top portion through socket by 1/2 " NB pipe on alternate floors starting from top.

Garbage Room OR Linen Room

1. Shall be air tight non ventilated room.
2. Provide wall tiles (min 2.0 meter. high) & floor tiles.
3. Floor to have slope towards gully trap and connected to drainage / basement sump.
4. Provide 20 Amp MCB, earth, neutral for cleaning control panel in the Main room.
5. Sufficient Lighting Arrangement.
6. Provide clear min. 2 meter. Wide, outside opening flush door (50 mm) to Main Room.
7. Chute duct slab to be closed after installation of chute.

Main Room Size in Ground floor Meter

Standard Chute	3.0W x 3.0 L x 2.4H+Extra area as per no of container
Segregated Chute	4.0 W x 4.0 L x 3.5 H + Extra area based on no of containers

