

WILKINSON CHUTES CANADA



Recycling Systems For

- **Single Chute
2 & 3 Sort Models**
- **3 Compartment
Multichute®**

Chute Systems For

- **Linen**
- **Rubbish**

Compactors For

- **Industry**
- **Apartments**

Bins and Recycling Totes For

- **Industry**
- **Apartments**



WE RECYCLE!



WILKINSON CHUTES

CHUTE EQUIPMENT for

- Linen
- Rubbish
- Recycling

PRODUCTS

Three Models for Recycling

Single Chute 3-Sort Model,
Single Chute 2-Sort Model,
3 Compartment MULTICHUTE® 3

Recycling System

Single Chute – Three-Sort Model 4

Single Chute Recycling System

Three-Option Discharge Unit
Three-Option Discharge Unit 5

Recycling Units

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MULTICHUTE® Recycling System

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Disinfectant and Sanitizing Unit 11

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Standard Linen Chute for Loose Laundry

Standard Linen Chute for Laundry Bags

Standard Rubbish Chute – 610mm 13

Compactors for
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Wilkinson Chutes Canada incorporates many years of design and development improvements and the finest equipment available for the collection of soiled linen, rubbish, dust or any material that can withstand dropping from upper floors to collection areas. Exact engineering and design combined with skilled tradespeople to manufacture a product second to none. Wilkinson Chutes Canada chutes are installed in multiple recycle projects. Chute equipment is fully assembled at the factory, for erecting. All vertical seams are welded, risers are completely fabricated, horizontal seams are tapered or slip jointed (raw crimping is prohibited for horizontal connections in the riser), all doors are attached to the chute throats and each chute is delivered to the job site with a maximum of two sections per story based on standard height.

TWO MODELS FOR RECYCLING

Single Chute 3-Sort Model and
3 Compartment MULTICHUTE®

Wilkinson Chutes Canada manufactures 3 models for recycling trash in high rise buildings. Two systems are suitable for sorting 3 separate groups of waste:

PAPER / CARDBOARD

BOTTLES / CANS

RUBBISH

The Two-Sort Model is suitable for sorting 2 separate groups of waste:

RECYCLABLE MATERIALS

RUBBISH

The MULTICHUTE® system consists of 3 separate chutes, accessible through a single door, the second system has a single chute with a discharge unit that can be directed to one of three separate and distinct containers, to satisfy both, corner and end feed site conditions.

ADVANTAGES of the Recycling systems:

- Recycling Units take up reduced floor space
- No floor space is required for recyclables on each floor
- Residents can dispose of waste and recycle from a single source on each floor
- Labor is less – superintendents don't need to pick up and transport recyclables from each floor
- Cost of disposal is reduced – since volume of trash is reduced by recycling.
- Both recycling systems are easy to use
- 4 configurations can be satisfied: STRAIGHT POSITION, CORNER POSITION, END POSITION and Two-Sort Model

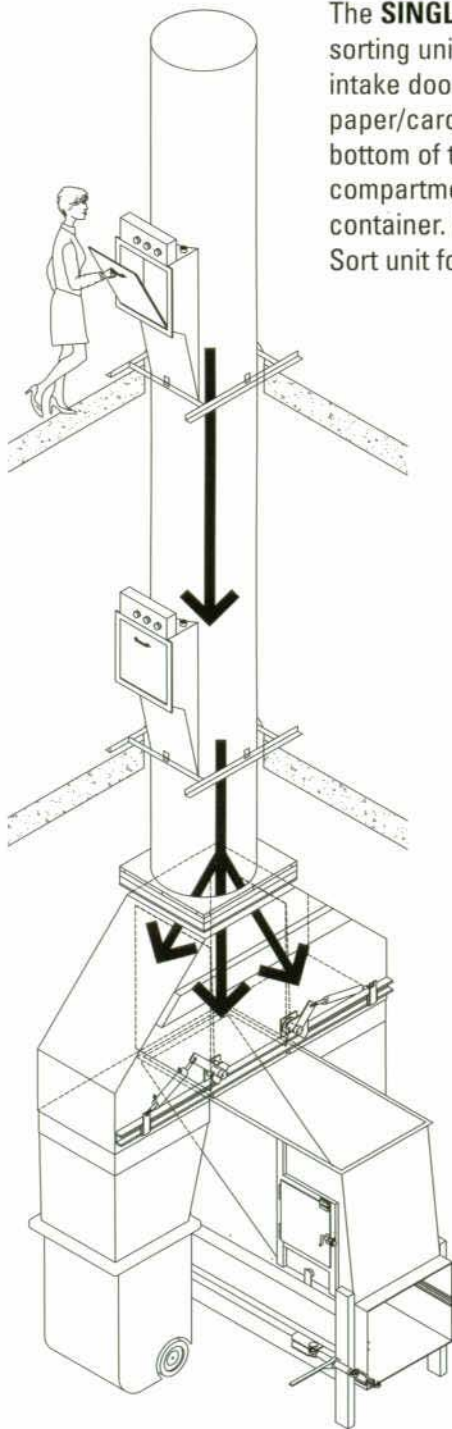


WILKINSON CHUTES

RECYCLING SYSTEM

Single Chute - Three-Sort Model

The **SINGLE CHUTE THREE-SORT MODEL** consists of one vertical chute, with an automatic sorting unit at the bottom of the chute where the waste is discharged. Each floor has one intake door, equipped with option buttons that can be set for one of three categories: paper/cardboard, glass/cans and rubbish. The default position is set for rubbish. At the bottom of the chute an automatic sorting unit discharges waste into one of three separate compartments. Hydraulically supplied cylinders move sorting flaps into the selected container. Wilkinson Chutes Canada designs and manufactures the Single Chute, Three-Sort unit for each specific application, considering room size and height conditions.



SINGLE CHUTE Three-Sort Model

Physical Properties

Capacity

Compactor bins suit 1.8 metre and 2.7 metre capacity.

Bin Totes capacity ranges from 431 Litres Gallons to 1363 Litres.

Unit Configurations

Straight drop
Corner Position
End Position

Height Requirement

Discharge Room Minimum Height required is 2591mm (102").

Structure

The system is manufactured with 14 gauge steel.

All seams are fully welded.

Mounted on own support frame.

Power Supply

To suit customer need.

Components

Chute

Discharge Unit

Hydraulic Tank with 31 Litre capacity.

Sorting Flaps, operated by Hydraulic Cylinders.

Intake Door with Control Panel:

Controls operated by a PLC Program Software.

Noise Reduction

16mm belting mounted on sorting flaps of discharge unit

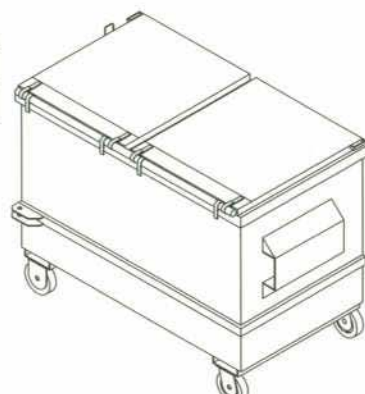
Safety Features

Doors are ULC listed, electrically operated, one door operation at a time.

Discharge room: manual lock-out when replacing bins

Bottom of sorting unit is equipped with rubber skirts for safety

Electronic Interlock Doors: ULC Rated



NEW FEATURE

When the Rubbish indicator light is "in use" additional residents on other floors may dispose of Rubbish.

This feature will work on rubbish only

RECYCLING SYSTEM

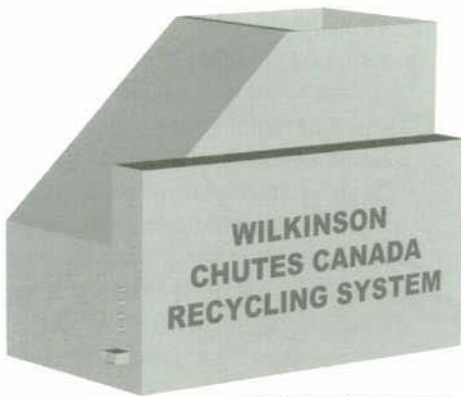
Single Chute - Three-Sort and Two-Sort Models

DISCHARGE UNITS – 4 positions available

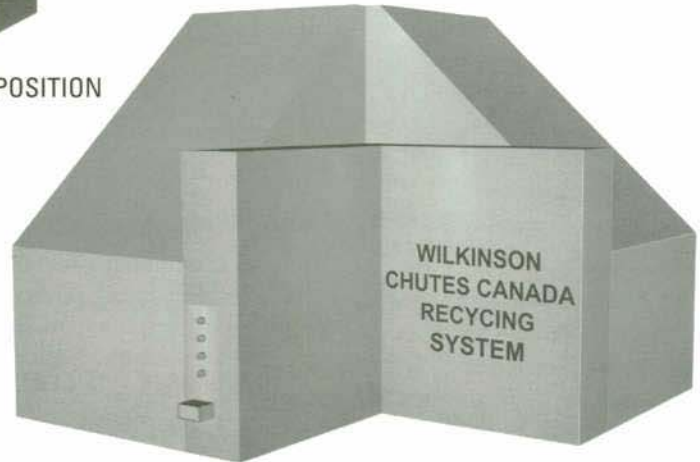
Located at the bottom of the chute, an automatic sorting unit discharges waste into one of four separate compartments. Hydraulically supplied cylinders move sorting flaps into the selected container. Wilkinson Chutes Canada designs and manufactures the Single Chute Three-Sort unit or the Single Two-Sort unit for each specific application, considering room size and height conditions.



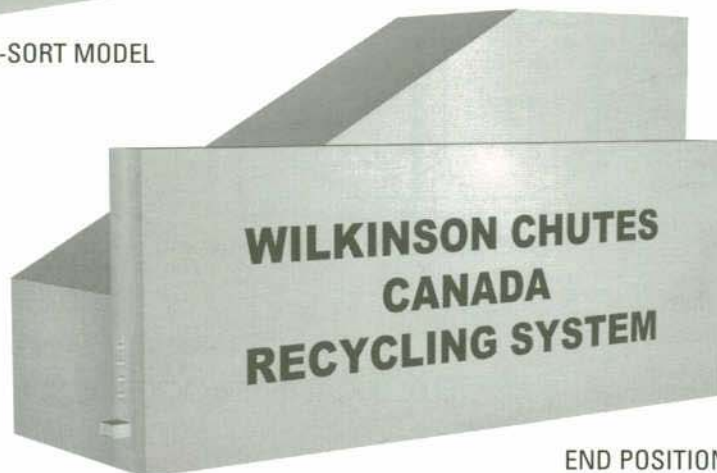
STRAIGHT POSITION



TWO-SORT MODEL



CORNER POSITION



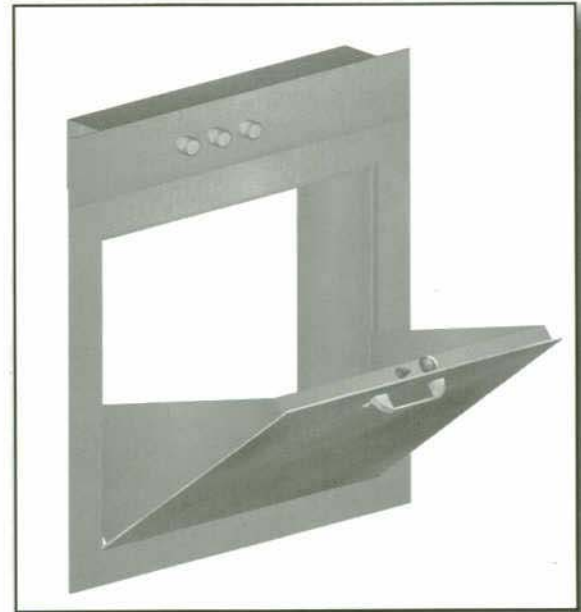
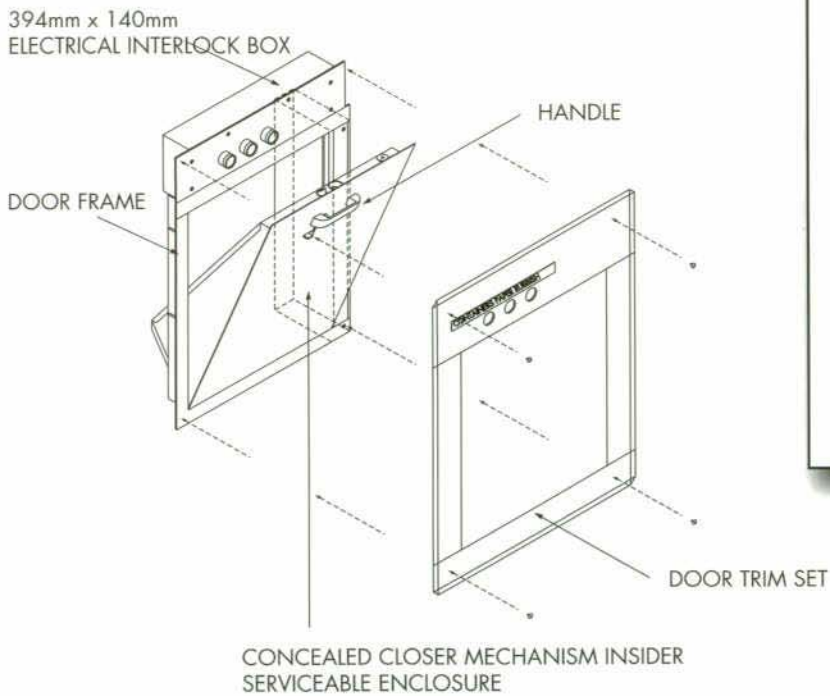
END POSITION



WILKINSON CHUTES

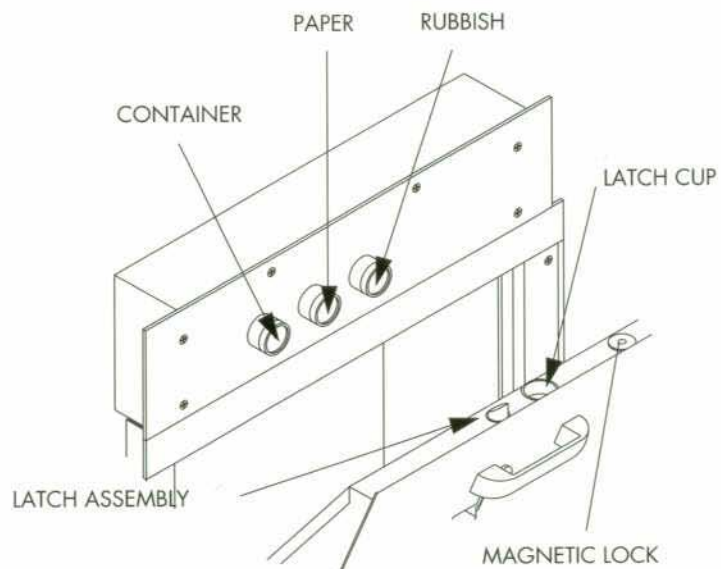
RECYCLING UNITS

Electrical Interlock Door Details



Electrically Interlocked

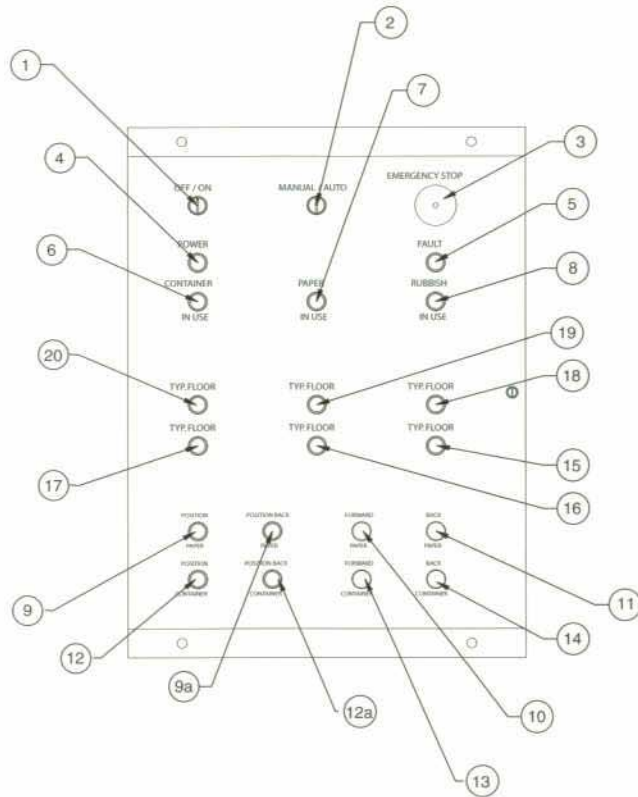
"W" Type Intake Doors can be interlocked electrical, so only one door can be opened at any one time to minimize air movement between floors. Each intake has an "Indicator" light showing when the door is locked, so that personnel will then know the door cannot be opened. (Supplied only when specified)



ELECTRICAL INTERLOCK BOX DETAIL

RECYCLING UNITS

Master Control Panel



- 1. OFF / ON
- 2. MANUAL / AUTO
- 3. EMERGENCY STOP
- 4. POWER
- 5. FAULT
- 6. CONTAINER IN-USE
- 7. PAPER IN-USE
- 8. RUBBISH IN-USE
- 9. POSITION PAPER
- 9A. PAPER BACK
- 10. FORWARD PAPER
- 11. BACK PAPER
- 12. POSITION CONTAINER
- 12A. CONTAINER PAPER
- 13. FOWARD CONTAINER
- 14. BACK CONTAINER
- 15. TYPICAL FLOOR DOOR OPEN
- 16. TYPICAL FLOOR DOOR OPEN
- 17. TYPICAL FLOOR DOOR OPEN
- 18. TYPICAL FLOOR DOOR OPEN
- 19. TYPICAL FLOOR DOOR OPEN
- 20. TYPICAL FLOOR DOOR OPEN

