



Wilkinson Chutes

Wilkinson Company Inc., Subsidiary of Hi-Rise Recycling Systems, Inc.
Established 1923

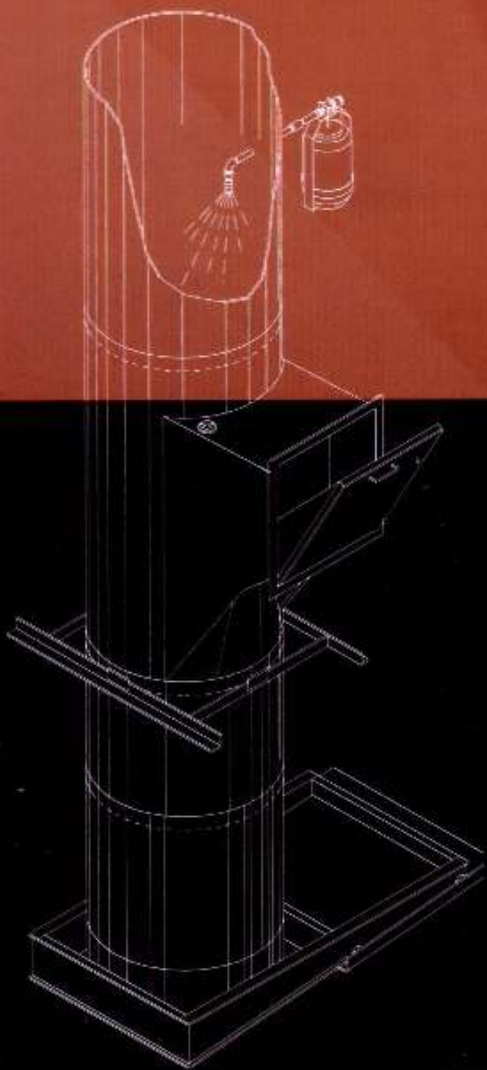
Superior, Safety Rated Intake Doors

Patented Intake Throat Construction

Automatic Sprinklers

Sanitizing System and Wilkinson Odor Control

Compactors and Automated Recycling Enhancements



The world's leader in trash, linen and debris chutes, garbage compactors and automated recycling enhancements.

For our latest, downloadable drawings and CSI formatted specs visit our websites:

www.hiri.com
www.wilkinsonchutes.com

Rubbish or Linen Chutes Specifications

Typical Specifications: Furnish where shown on plans 24" diameter Rubbish and Linen Chute as manufactured by Wilkinson Chutes and specified below:

Chute Material: The Chute shall be fabricated of #16 U.S. Gauge Aluminized Steel.

Sound Insulation: Wilkinson standard sound coat vibration dampening compound on exterior of chute only. Include Korfund sound isolator pads at each floor support frame. Other sound dampening compounds are optional.

Rubbish Intakes: 15" wide x 18" high, stainless steel, self-closing, positive latching, bottom-hinged, hand operated doors carry the UL 1 1/2 hour "B" Label designation and are rated for a 250° F maximum temperature rise in 30 minutes. Intake door to pivot on a concealed 1/2" steel pivot shaft zinc plated to prevent corrosion and build-up of debris. (Specify masonry or drywall installation.) Intake doors to be furnished with removable stainless steel door trim with embossed letters (RUBBISH). All parts shall be replaceable through a side mounted mechanism housing which eliminates the necessity of removing the door from the wall for service.

Linen Intakes: 21" wide x 21" high, stainless steel, self-closing, positive latching, side-hinged, hand operated doors carry the UL 1 1/2 hour "B" Label designation and are rated for a 250° F maximum temperature rise in 30 minutes. (Specify masonry or drywall installation). Intake door to have 180° swing operation and be furnished with removable stainless steel door trim with embossed letters (SOILED LINEN). All parts shall be replaceable through a side mounted mechanism housing which eliminates the necessity of removing the door from the wall for service.

Cylinder Locks: To prevent unauthorized use of the chute, intake doors can be furnished with keyed-alike locks or master-keyed to the building.

Rubbish Discharge: Wilkinson Type "A", normally open, inclined rolling door with fusible link. Discharge door panel to be fabricated to "B" label construction (1" thick insulation).

Linen Discharge: Type "H" Hopper with 24" wide and 30" high, top-hinged, counter-balanced stainless steel door carry the UL 1 1/2 hour "B" label designation and are rated for a 250° F maximum temperature rise in 30 minutes, with fusible link. Reinforced bottom with #13 gauge impact plate.

Hopper to be supported with a 2" pipe pedestal and

equipped with 2" IPS drain flange for connection by plumber.

Vent: Provide full diameter vent 4'-0" above roof with metal explosion cap. Bird screen and/or curb are optional.

Floor Frames: Fabricate floor frames of 1-1/2" x 1-1/2" x 3/16" angles and 1-1/2" x 3/16" bar stock welded assembly.

Sprinklers: 1/2" IPS 165° sprinkler head with shield at top intake. Additional 1/2" sprinklers and shields at every second intake (or as required by Code). 3/4" IPS flushing spray head centered in chute above top intake ready for connection by plumber.

Rubbish Chute Cleaning: A Disinfecting and Sanitizing (D&S) unit equipped with adjusting screw to regulate the strength of disinfectant introduced into the flushing water, connected to flushing head spray head. On-off valve on unit permits ability to bypass disinfecting and sanitizing unit when desired. All D&S units require 15" X 15" high side-hinged stainless steel access door bearing a U.L. "B" label.

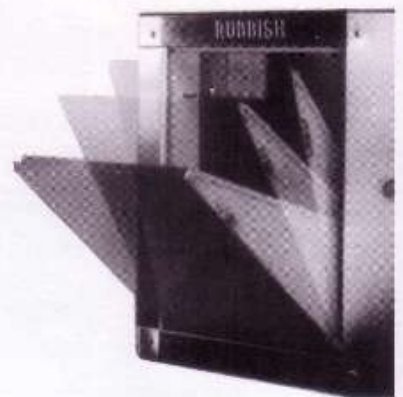
Intake Doors

Wilkinson ADA Compliant chute access doors resolve the conflict between Life Safety and Accessibility Codes. The patent-pending design maintains UL B-Label requirements while satisfying Accessibility requirements for control height/reach, opening force, and the grab, pinch or twist guidelines. ADA Compliant Doors can be retrofit into existing chute installations without adding electrical service. Interlocking doors are available with the Recycling System version.



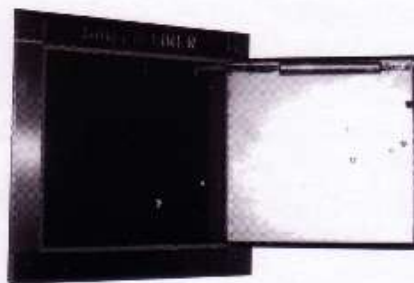
ADA Compliant Automatic Doors for standard chutes and recycling systems installations:

The Standard and Recycling System versions of the Wilkinson fully pneumatic ADA Complaint Door are bottom hinged, requiring only the touch of a button to begin the adjustable, timed open/closed cycle. For use in any application where fiduciary responsibility dictates accomodation of both Life Safety and Accessibility Codes.



180° Side Hinged Door/Linen

Recommended for all chutes handling bagged or bundled linen. The door can be opened a full 180° giving enough space to deposit larger bags if needed. With the door completely open a full 180°, the clear opening into the chute is equal to the door's nominal size. The door is furnished either left or right handed.

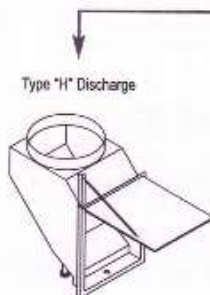
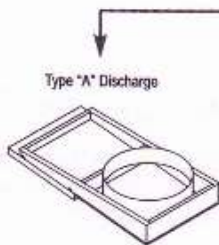
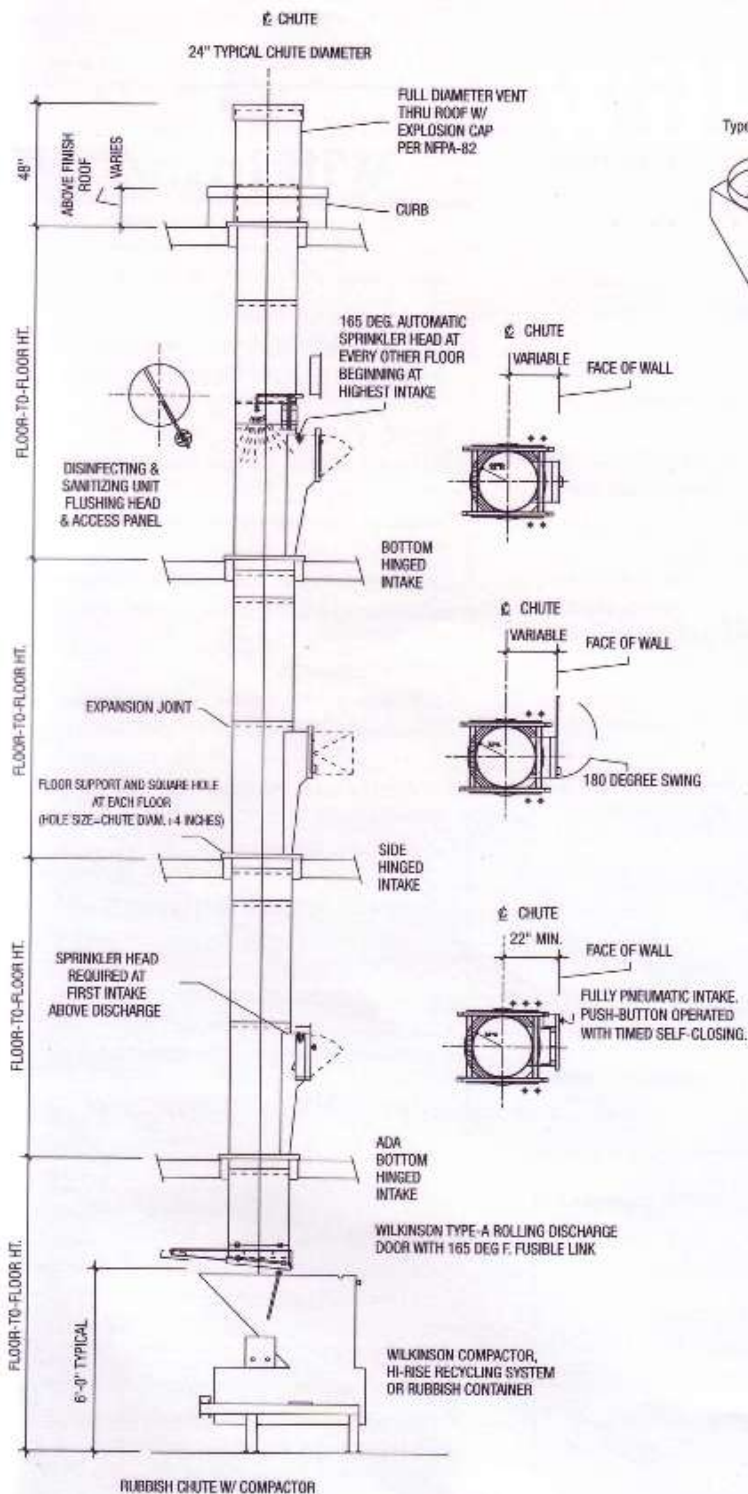


Hi-Rise ICD 2000/ Rubbish/Recycling

The Wilkinson bottom hinged door enhanced with controls for all Hi-Rise Recycling Systems. The integrated door system enables multi-story building developers to comply with recycling regulations. Contact your Wilkinson or Hi-Rise Recycling Systems' representative for assistance with waste stream circulation sizing and design.



Chute Details:



Discharge Doors

Type "A": The "A" horizontal rolling door is used for rubbish chute installations or any chute with open end discharge. The door is of "B" label construction with 1" thick insulation enclosed in an aluminized steel cover, but it does not bear a label. The door is supported by four rollers riding in inclined tracks and is held normally open with a fusible link. When the link is opened by excessive heat, gravity causes the door to roll shut.

Type "H": The hopper discharge is normally used when the discharge is to be built into the wall. The sides and top of the hopper are made of 16 gauge aluminized steel, the bottom (or impact area of the hopper) is made of 13 gauge aluminized steel. The discharge opening is formed onto a structural angle door frame. The sloped bottom is supported on a 2" pipe pedestal. When the material dropped is exceptionally heavy or when the height of drop is great, the thickness of the impact area can be increased and a structural steel support frame can be substituted for the pipe pedestal. A 2" drain at the low point of the hopper permits flushing down the chute with the door closed. The discharge door is furnished with a top hinged counterbalanced assembly that holds the door open unless closed manually. The counter balance has a fusible link that permits the door to automatically shut in case the link is opened by heat or fire. The door also has a lever latch at the bottom to draw the door tight against the gasket. This latch is only to be used when the chute is being flushed down. Doors carry the UL 1 1/2 hour "B" Label designation and are rated for a 250° F maximum temperature rise in 30 minutes.

Chute Diameter	Side Hinged Doors		Bottom Hopper Doors	
	General	Limited	General	Limited
24	12x12	18x18	15x18	21x18
28	15x15	21x21	18x18	21x18
30	15x15	21x21	21x18	21x18
36	18x18	21x21	21x18	24x24

Limited access : either vestibule door or chute door is lockable. General access : no lockable doors. Smaller sizes are available

Discharge Door Options

