

## SECTION 118226

### EXTRUDING WASTE COMPACTOR

This section is based on equipment produced by:

Chute Source, LLC  
525 Kennedy Road  
Akron, Ohio 44305  
1-330-733-3996

#### Part 1 – GENERAL

##### 1.1 DESCRIPTION

- A. Furnish and install waste compactor Model: EP1-C5 and ancillary equipment manufactured by CHUTE SOURCE, LLC as indicated on the Drawings and as specified within.

##### 1.2 RELATED WORK SPECIFIED ELSEWHERE

- A. Concrete work - Section 03300 “Cast in Place Concrete”
- B. Rubbish Chute - Section 11175 “Chutes and Collectors” See CHUTE SOURCE, LLC
- C. Floor drains and hose bibs - Division 15 “Mechanical”
- D. Electrical wiring to control panels, and wiring from control to disconnect box panels - Division 16 “Electrical”

##### 1.3 QUALITY ASSURANCE

- A. The equipment shall comply with the National Electric Code, ANSI-Z245.21 and NFPA-82.
- B. Manufacturer shall have at least 5 year Chute Source experience in the manufacture of the specified equipment and shall maintain a servicing and replacement parts system for at least 3 year Chute Source after installation of equipment.
- C. The work in this section shall be subject to all applicable provisions of governing building codes and ordinances.

##### 1.4 SUBMITTALS

- A. Product Data: Submit manufacturer’s product specifications, performance data sheets and installation instructions.
- B. Shop Drawings: Submit plans, elevations, and details for work not fully shown by published product data; include rough in dimensions and service connection.

##### 1.5 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Protection: Equipment shall be protected at all times from physical damage, dirt, water etc.
- B. Under no condition shall compactor be used for construction trash, or any other use other than it’s intended use as a trash compactor for building tenants after the issuance of a Certificate of Occupancy or similar such certification.

## Part 2 - PRODUCTS

### 2.1 COMPACTOR

- A. General: A Stationary, Extrusion/ Bagging Compactor: CHUTE SOURCE, LLC Model **EP-1-C5** is a fully automatic, electric eye controlled, hydraulically operated, tubular ram compactor. The compactor body, sides and top are 3/8" steel plate of integral design. The ram is of similar construction and features a ram face of 1" steel plate. The front hopper is 3/8" steel plate with 12 gage side walls. The EP1-C5 produces 38,500 pounds of packing force.
- B. Operation: The operation shall be automatically controlled when the compaction chamber fills to the level where the photo sensor activates the compaction ram. The compactor ram shall continue to cycle until all refuse is cleared. When the bag is full, compactor will automatically shut down and activate the full indicator light.
- C. Hydraulic System: The hydraulic system shall include a 5 gpm pump, 5 HP motor, 10 gallon reservoir and directional control valve. System shall be rated for 3000 psi operation.
- D. Electrical System: The electrical system shall include 5 hp, 1725 rpm motor, 200-208v, 30 amps, three phase, four wire w/neutral for ground, 60Hz (other voltages on special order). Furnished with motor starter, overload protection, and 115v control and Programmable Logic Controller (PLC) circuitry capable of optionally tying into the supervision and monitoring functions of the building's electronic fire alarm system. All components are to be U.L. labeled.
- E. Photo Sensor: The compactor shall be fitted with a reliable photoelectric sensor. Wiring to control panel shall be in "sealtite" plastic coated sealed conduit.
- F. Control Panel: The control panel shall be mounted remotely or on the compactor body and shall include a reverse switch, emergency stop and 100% full light.
- G. Safety Features: Compactor door shall be fitted with captive switch not easily defeated to shut the machine down when the access door is opened. Said switch shall be approved by OSHA as a Safety Door Switch. Compactor shall automatically shut down to prevent damage from oversize or uncrushable objects.

## Part 3 - EXECUTION

### 3.1 INSPECTION

- A. Inspect the areas and conditions under which units are to be installed. Do not proceed with the work until conditions are satisfactory.

### 3.2 INSTALLATION

- A. Compactors shall be installed in accordance with approved drawings.
- B. Field assembly work: Perform minor field assembly work to install certain fragile or projecting parts that were not installed at the factory.
- C. Set each component of work securely and accurately, level and properly aligned with other components and other work. Anchor as required for secure operation.

### 3.3 TESTING AND INSTRUCTIONS

- A. Test each item of operational equipment. Provide maintenance manual.
- B. Instruct Owner's operation personnel in proper use and maintenance of equipment.