

# The CTI 60 Series Compactor/Crusher

The Best Way to Reduce Your Disposal Costs

The CTI 60 Series is our most popular model. It is the easiest to operate and the most flexible because of its Programmable Logic Controller. The CTI 60 Series offers the highest compaction ratios and is designed to compact either hazardous or low-level radioactive, solid or saturated wastes.

NEMA Rated Electrical Enclosure

Programmable Logic Controller for all Standard and Optional Functions

Easy to Operate Controls & Indicators

Drum Containment Ring avoids unsafe drum lift

Precision Zero Tolerance Compaction Chamber avoids drum damage

Quick Chute for safe & speedy loading

Two-Stage Hydraulic system uses less fluid

Main Power Disconnect Switch

#304 Stainless Steel Exterior for easy cleanup

2" Platen

Electrical and Mechanical Safety Interlocks

Drum Support Anvil

2" Solid Steel Base Plate



## SPECIFICATIONS:

### Dimensions

34" W x 37" D x 96" H  
(108" H with the optional  
Drum Crusher Package)

### Recommended Clearances

Back: 12"  
Sides: 36"  
Weight: Approx. 3000 lbs.

### Maximum Drum Dimensions

Diameter 23.625"  
Height: 36.00"

*Quality engineered, heavy-duty construction throughout for many years of affordable service.*

# Standard Features

## Programmable Logic Controller (PLC)

Governs operating and safety features, controls compaction cycle times, and timing of the options. Provides the operator with on-panel controls (Main Power Disconnect Switch, Control Power Key, Hold Down Cycle Control and Auto Stop), complete operating status indicating lights (Control Power On, Door Closed, Ram Up, Ram Down, Barrel Full) and one-touch operation (Auto Start) providing the greatest degree of operator convenience and work efficiency.

## "Continuous-Push" Cycle

A sustained push at full pressure for a programmed amount of time destroys the "memory" (spring-back) of the waste, maximizing both compaction ratios and your savings.

## Zero Tolerance Compaction Chamber

The Zero Tolerance Compaction Chamber and the Drum Support Anvil perfectly centers the drum while providing lateral support to minimize drum distortion. (Distorted drums can become leaking drums, making disposal more costly.) The Internal Drum Containment Ring prevents the drum from being picked up by the Platen on the return stroke, avoiding drum lift and potential foot injury.

## Quick Chute

Allows for convenient, easy and fast loading. Minimizes operator's exposure to the waste.

## 60,000 lbs. Of Compaction Force

Allows excellent waste compaction in conjunction with the "Continuous-Push" timer in the Zero Tolerance Compaction Chamber.

## Two-Stage Hydraulic System

Energy-efficient, two-stage 7:1 gear pump requires less oil and operates cooler, prolonging the life of the motor, pump, seals and hoses. A specially designed, smaller oil reservoir contains 70% less than competitive products- less potentially contaminated oil to dispose of during periodic maintenance.

## Precision Cylinder and Platen System

Hydraulic cylinder is 6" bore with a 4" rod. The compacting Platen is a 2" thick chromed steel, supported by two (2) 2" diameter chromed steel guide rods. These Rods provide even loading and prevent damage to the cylinder seals and Platen. A 1/8" clearance between Platen and drum is designed to minimize the waste rising above the platen.

## NEMA 4 Enclosed Electrical System

All UL listed components come in a standard NEMA 4 enclosure (weatherproof and dust resistant) for safe outdoor operation. An Emergency Disconnect shuts the power off automatically if the main door is opened, complying with OSHA lockout/tagout procedures, per OSHA CFR1910.147. Connects to most voltage sources (230/460V, 60Hz, 3Ø).

## Stainless Steel Exterior

Fully encloses the compactor, protecting the operator from wastes and unit operations. #304 Stainless Steel also reduces corrosion and allows for easy cleanup and maintenance.

## Operator Safety Interlocks

Compactor will not operate if either Quick Chute or drum door are open or slightly ajar. A Main Power Disconnect switch is readily available.

## Motor Starter and Disconnect Included

No need to buy separate and costly motor starter and disconnect.



# Optional Features

## NEMA 7 Explosion Proof Components

Equipped with components to meet the codes governing equipment used in hazardous atmospheres (Class I Division I Group D).

## Fire Extinguishing Fittings

Equipped with fittings to allow for hook-up to the customer-supplied dry chemical fire extinguishing system. An electric heat detection circuit activates the user's fire system.

## HEPA Filtration System

This nuclear grade filtration option removes particles to 0.3 microns with 99.97% efficiency. Timed and interlocked with the PLC, the compactor will not operate if the filter is blocked.

## VOC/Carbon Filtration System

If Volatile Organic Compounds are present in your waste, this option absorbs them. This system, timed by the PLC, operates when the compactor is in use and does not allow compaction if the system is blocked.

## HEPA and Carbon Filtration System Combination

This filtration system removes both dangerous vapors and particles. Cycled by the PLC, it operates when the compactor is in use. The PLC does not allow compaction if the filter system is blocked.

## NEMA 4 or NEMA 7 Liquid Removal System

These unique options allow safe and efficient removal of non-explosive or explosive liquids during compaction, for separate disposal or recycling. A powerful, chemical resistant pump can efficiently remove over 14 gallons of liquid waste per minute. Great for filters, rags soaked with solvent, containers with liquid residue, etc.

## 85,000 lbs. Of Compaction Force

Allows superior waste compaction, while minimizing drum distortion.

## Drum Crushing Package

Includes custom hydraulics and a crushing insert that will crush drums to approximately 4 inches. Switching from in-drum compacting to drum crushing is easy and safe, and takes only seconds.

## Stainless Steel Platen and Stainless Steel Chamber

The stainless steel components (sold separately) allow for easy cleanup and decontamination. Recommended for corrosive or radioactive applications.

## Inert Gas Purge for Fire Prevention

Equipped with fittings and valves allowing hook-up to the customer's inert gas supply. The PLC floods the chamber prior to and during compaction.

## Drum Lift Cart

The drum lift cart easily allows removal of drums weighing up to 1000 lbs. It features:

- Heavy-duty tubular construction
- Specially designed feet to reach into compaction chamber and slide under drum
- Extended handle and four (4) wheel design providing extra leverage for removing heavy drums

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