

**new
series**

'VERTIPAK' SYSTEM



the stationary compactor from



Shelvoke and Drewry Limited . Letchworth . Hertfordshire



now a static compactor from the Refuse collector people

'Vertipak' is a new idea from Shelvoke and Drewry Limited.

The 'Vertipak' compactor together with the two cubic yard refuse containers and vehicle mounted container loader form a completely integrated refuse handling system.

Intended primarily for industrial and public service applications, the Vertipak compactor requires a floor space of only 4'6" deep (1372mm) by 6'3" wide (1905mm). This is achieved by positioning the compression mechanism above the loading aperture, thus giving completely uninterrupted access to the refuse container while loading.

To aid rapid unloading, the 'Vertipak' refuse containers are purpose-built to fit both the compactor and the vehicle mounted container loader.

'Vertipak' operating sequence...

Designed primarily for one man operation, the Vertipak compactor is both fast and safe to operate.

The basic operating sequence can be broken down into four parts :

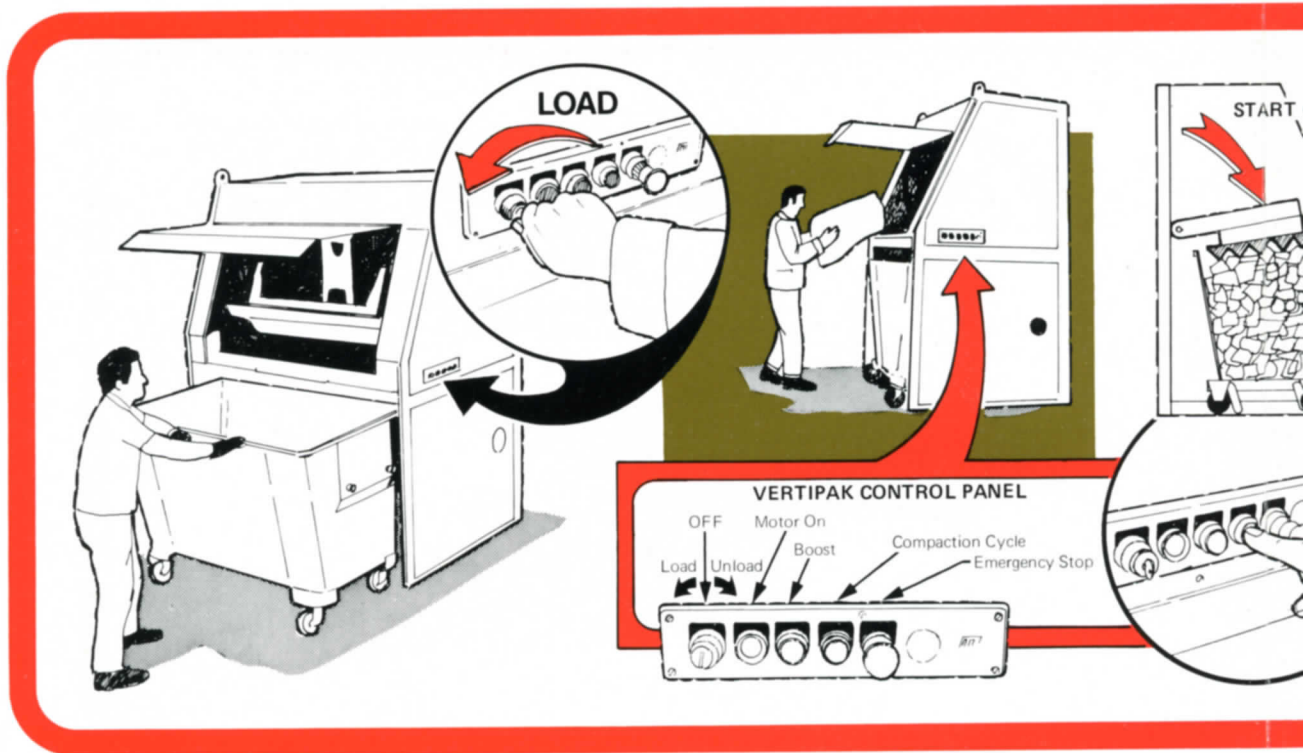
Locating the empty container and clamping it in position.

Loading the container.

The compaction cycle.

The un-clamping and removal of the fully loaded container and emptying into the collection vehicle.

(Loading of the container and compaction is repeated until container is full).



1

Locating empty container

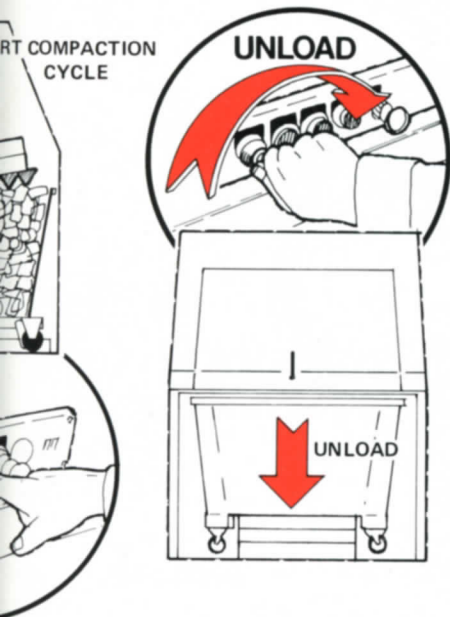
Empty container is located into the compactor. Operator then clamps container into place by key-operated control. This is a three-position unit calibrated for 'Load', 'Off' and 'Unload' operations.

2

Loading container—controls

Container can now be manually loaded until sufficiently full for compaction. Loading door must be closed before compaction cycle is started. All controls are side mounted for safety. These include key-operated container locating switch, 'Motor on' warning light, compaction boost control, compaction cycle control and emergency stop control.

RT COMPACTION
CYCLE



3

4

Compaction cycle

Operator starts compaction cycle by push-button control. Cycle completed in 25 seconds. Container can now be re-loaded. Compaction cycle then repeated. These two operations continued until container is full. If necessary, a further 'Boost' can be given before container is removed. Operator selects 'Unload' position and container is unclamped.

Container removal-discharge

Loading door may be opened and shear-bar raised to give additional clearance. Container removed from 'Vertipak' unit. When emptying into refuse collector (equipped for two-cubic yard container handling) container pins should be first located into lifting unit. After emptying, bin returned to 'Vertipak'.

the 'Vertipak' compactor unit...

Coming from SD you would expect robust, maintenance-free construction and care in the design and positioning of controls. Also, being designed for installation in industrial and public service premises, safety is a prime consideration. With the 'Vertipak' you've got them all – and more.

Using experience gained in over fifty years of Refuse Vehicle manufacture, Shelvoke and Drewry Limited have incorporated several systems into the 'Vertipak' to ensure ease of operation and maximum possible safety.

A 'Failsafe' interlock is employed to prevent the unit operating while the container loading door is open.

All controls are side mounted, thus ensuring that the operator must move away from the loading aperture before operating the unit. These controls are key operated to prevent use by unauthorised staff. A side mounted emergency stop is also fitted.

fast refuse compaction and handling

Having a total compaction time of only 25 seconds, a large amount of refuse can be compacted in a very short time. And with a large wide loading door there is plenty of room for those awkward items. When the refuse container is fully loaded it is a simple one-man operation to remove and replace the container or empty it into a vehicle equipped for two cubic yard container handling. Silent operation is also a feature. This is obviously important, particularly in residential areas or hospitals etc. Power is by an electric motor from a three-phase 440 volts supply.

Controls are hydraulically operated. All these features combine to ensure that the 'Vertipak' Refuse Handling System saves space, time and damage to the environment through unsightly industrial rubbish tips.

'Vertipak'/'Revopak' container loader

The container loader is ideally suited to the 'Revopak' range of Refuse Collectors.

Basically it consists of two side mounted lifting forks that locate onto pins fitted to the containers. When not in use the complete unit folds into place below the loading rave, allowing the full hopper width to be used for manual loading.

In common with the 'Vertipak' unit, the container loading equipment fitted to the 'Revopak' refuse collector provides for fast silent operation and with the container discharging over the full hopper width, rapid turn-round of containers is achieved.



technical

The 'Vertipak' is a s unit for compacting rectangular contain (approx).

Power Pack
7.5hp Electric Moto power supply 440 v

Compactor
Compaction by rob actuated by hydrau

Hydraulic Control
Hydraulics controlle Circuits fully protec matic compaction c by pressure sensing approximately 25 s



technical data

The 'Vertipak' is a static vertical compaction unit for compacting refuse into 2 cubic yard rectangular containers at a ratio of 3-4 to 1 (approx).

Power Pack

7.5hp Electric Motor coupled to hydraulic pump power supply 440 volts 3 phase.

Compactor

Compaction by robustly constructed packer plate actuated by hydraulic cylinder.

Hydraulic Control

Hydraulics controlled by solenoid operated valves. Circuits fully protected by relief valves. Automatic compaction cycle. Return cycle controlled by pressure sensing switch. Complete cycle time approximately 25 seconds.

Electrical Control

Electrics controlled by push button station. Control voltage 110volts. Circuits protected by mechanical and electrical interlocks to ensure safe operation.

Loading of container into unit can only be accomplished by authorised operator through key switch control.

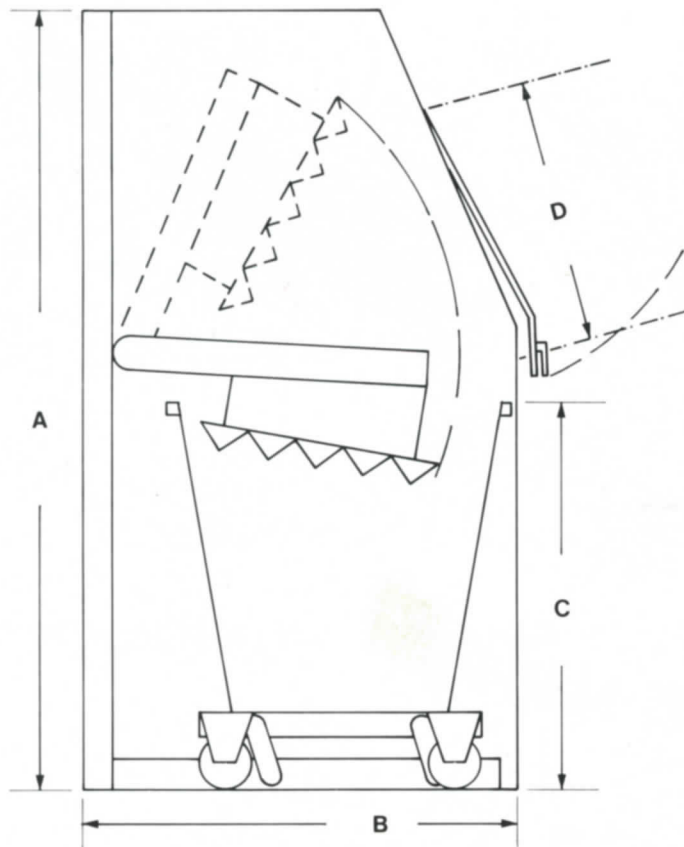
Emergency Stop button provided. Final compaction boost catered for.

Mainframe

Constructed of rectangular hollow section braced for strength.

Container

Fabricated from sheet steel reinforced and stiffened with generous radii on corners. Mounted on full rotational castors for mobility. Large capacity of 2 cubic yards.



- A 8ft (2438mm)
 - B 4ft 6ins (1372mm)
 - C 4ft 4 $\frac{3}{4}$ ins (1340mm)
 - D 31 $\frac{1}{2}$ ins (800mm)
- width 6ft 3ins (1905mm)



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