

BINPAK®

COMPACTORS

Safer • Simpler • Smarter

Owner & Operator Manual

NOTE: FOR ULTIMATE SAFETY AND PERFORMANCE, THIS MANUAL MUST BE READ BY INSTALLATION, OPERATING AND HAULER PERSONNEL, PRIOR TO USE OF EQUIPMENT.

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support@binpak.com



Welcome to the *BINPAK*® Team! BINPAK Compactors has engineered the *BINPAK*® compactor with safety, productivity and efficiency as vital components. This manual contains all the information for you to understand the operation of the equipment from electrical hook-up to how a BINPAK is emptied. As a result, the manual should be read carefully before using your equipment.

If you have arranged for a BINPAK Compactors representative or agent to be present during commissioning and training, it is still important to be thoroughly familiar with this manual for a complete understanding of the equipment and its operation.

To request a service call or to order parts – there are three ways to contact us.

- ✓ call 1-855-953-5333 – select 2
- ✓ email us at support@BINPAK.com
- ✓ request a service call from our website or from your browser, type [Support Inquiries | BINPAK](#)

This manual contains the following BINPAK models:

1. BINPAK (Regular)
2. BINPAK with keypad
3. BINPAK with single handle (top lid)
4. BINPAK with double handles (top lid)
5. BINPAK SMT

We have highlighted your model for future reference.

BINPAK Compactor Serial Number:



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BINPAK®
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BINPAK® Front Fill Compactor



BINPAK® Rear Fill Compactor



1.0 General Information

1.1 Electrical Preparation

The customer has the responsibility of ensuring that the electrical hook-up for the compactor is in compliance with all national and local electrical codes and ordinances and that the installation is completed by a licensed electrician. Please refer to the *BINPAK*® electrical installation guide.

1.2 BINPAK Compactors One Year Limited Warranty

BINPAK Compactors guarantees to the original purchaser only that its product is free of defects in material and workmanship, under normal use, for a period of one year (1) from the date of customer receipt from an Authorized BINPAK Dealer. To be entitled to the benefits of this warranty, the equipment must be properly installed and in compliance with the manufacturer's recommendations and/or design applications as agreed upon at the point of sale. This product is not recommended for use with the following waste: (i) construction and demolition debris including drywall, wood, concrete and metal, (ii) stone and stone-related products, (iii) general materials already in a non-compactable form. Should this product prove to be defective for any reason (other than those listed below, the product will be serviced or replaced at BINPAK Compactor's sole discretion at no charge.

Warranty coverage does not extend to theft, loss, or damage due to accident, abuse, tampering, vandalism, negligence including poor maintenance or deteriorating chemicals. Service or modifications by any person or persons other than an Authorized BINPAK Service Provider voids the warranty. BINPAK and its Authorized Dealers make no other warranties, either expressed or implied, orally, or in writing, with respect to any other warranty coverage except those expressly stated within the preceding paragraphs. BINPAK Compactors will not be held responsible for any agreements orally or in writing except for those expressly included in this warranty statement. This warranty information and the terms contained herein supersede all statements contained in earlier versions, instruction sheets, or other equipment literature or catalogs. In no event will BINPAK Compactors and its Authorized Dealers be held responsible or liable for any personal injuries resulting from the use of this equipment, or for any other damages, whether direct, indirect, incidental, or consequential, even if BINPAK Compactors has been advised of such damages.

In no case, shall this warranty apply outside Canada and the continental United States unless the purchaser has a written agreement from BINPAK Compactors.

1.3 Safety Decals



DANGER - Moving Parts Can Crush and Cut. Operate Carefully. NEVER ENTER THE FILL CHAMBER OR PLACE ANY PART OF YOUR BODY WITHIN THE FILL CHAMBER PRIOR TO DISCONNECTING THE COMPACTOR AS PER LOCAL WORKPLACE SAFETY GUIDELINES.



WARNING - Electrical Hazard. Disconnect Power Before Lifting This Bin. THE COMPACTOR USES AN ELECTRICAL CONNECTION. THIS MUST BE DISCONNECTED BEFORE UNLOADING THE COMPACTOR IN ORDER TO AVOID PERSONAL INJURY OR DAMAGE TO THE COMPACTOR.



WARNING – Drivers release handle before lifting. HEAVY COMPONENTS LIKE COMPACTORS CAN CAUSE SERIOUS PERSONAL INJURY AND EQUIPMENT DAMAGE IF HANDLED IMPROPERLY.



WARNING – Drivers release both handle before lifting. Pull both handle forward so that lid springs open (if there is no pressure on handles, continue with emptying). HEAVY COMPONENTS LIKE COMPACTORS CAN CAUSE SERIOUS PERSONAL INJURY AND EQUIPMENT DAMAGE IF HANDLED IMPROPERLY.

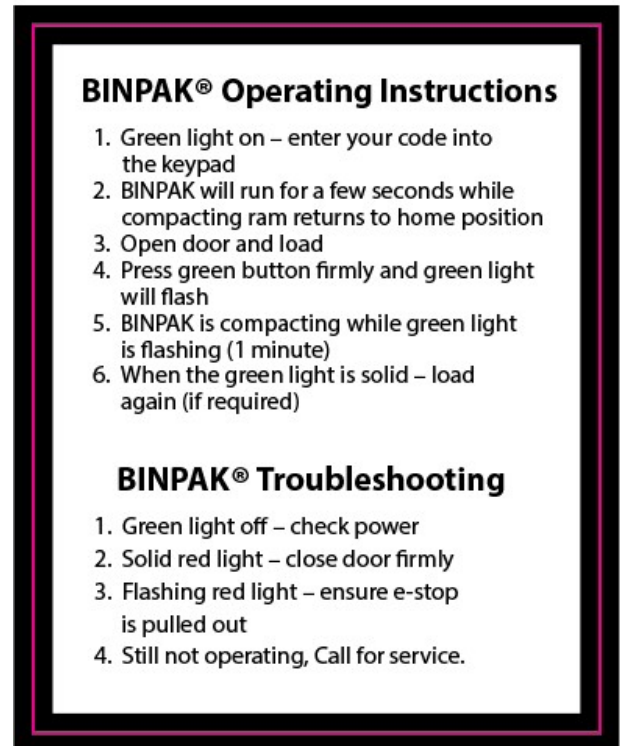
2.0 Compactor Operation

2.1 BINPAK® Operating Procedure

BINPAK (Regular)

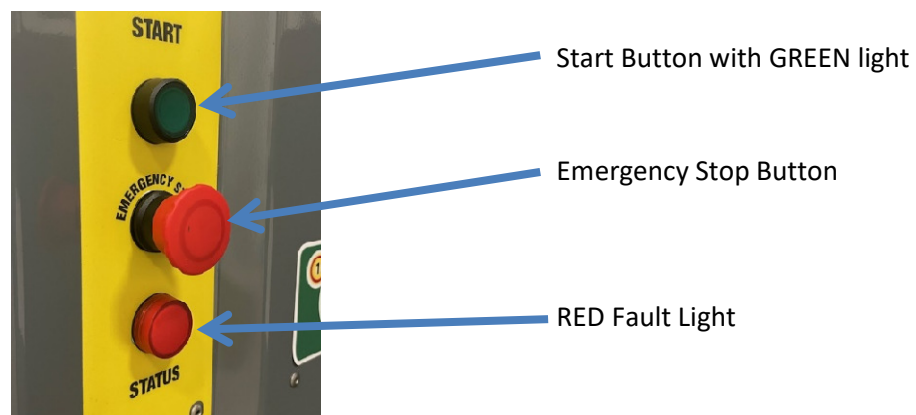


BINPAK with Keypad



2.2 EMERGENCY STOP BUTTON

To stop operation of the compactor at any time, press the RED emergency stop (E-Stop) button located directly below the start button. The GREEN start button light will turn off, indicating that main power has been shut off.



2.3 Emergency Stop Button Reset Procedure

If the RED E-Stop is depressed, the system must be reset. To reset the system, pull the E-Stop button out fully and then press the GREEN start button once. The compactor is then ready to start. Wait at least 2 seconds and then press the GREEN button again to start the cycle. Depending on where the compaction plate was when the E-Stop was depressed, the GREEN start button may have to be pressed once again after waiting another 2 seconds. This will then activate the machine. When the machine stops, the door can be opened.

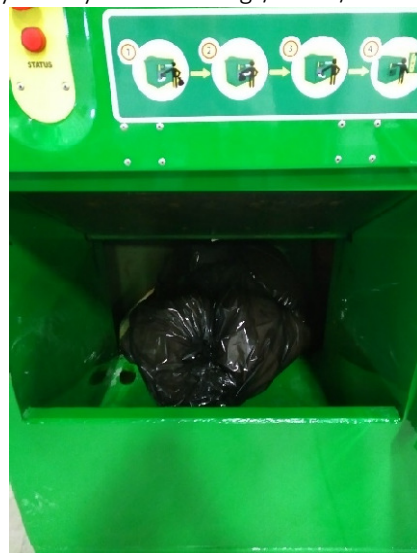
2.4 Bags Hanging Out (anything hanging out!)

Before you close the door, ensure nothing will be caught in it.



2.5 Waste in Chute

When using the BINPAK, you may see some bags/waste/cardboard in the chute towards the rear—this is normal.





3.0 Hauler Instructions for Emptying the BINPAK Compactor

The following operations are to be performed by the hauler's driver.

3.1 BINPAK Front Load Truck Emptying Steps

BINPAK (Regular)	BINPAK with Keypad
1. Press GREEN start button firmly (this starts compaction cycle). 2. After 25 seconds - press E-Stop button. 3. Disconnect power plug on side of unit. 4a. Pull single lid handle forward so that lid springs open. 4b. Pull both handles forward so that lid springs open. (if there is no pressure on handle, then proceed to next step). 5. Insert truck forks into side pockets until truck bumpers contact unit. 6. Lift and dump contents into truck. 7. Lower BINPAK and lid handle automatically latches. 8. Plug in power cord, turn collar nut on hand tight (water seal). Pull out E-Stop button. Press GREEN start button firmly (this starts compaction cycle).	1. Disconnect power plug on side of unit. Please do not leave plug end in snow or water for safety purposes as this is an electrical connection. 2a. Pull single lid handle forward so that lid springs open. 2b. Pull both handles forward so that lid springs open (if there is no pressure on handle, then proceed to next step). 3. Insert truck forks into side pockets until truck bumpers contact unit. 4. Lift and dump contents into truck. 5. Lower BINPAK and lid handle automatically latches. 6. Plug in power cord, turn collar nut on hand tight (water seal).

3.2 Winter Tips

Winter weather settles in across much of Canada and the US with colder than normal temperatures at times, affecting many different machines and lubricants that have practical limits when it comes to operating temperatures.

At extremely cold temperatures, here are some tips to keep your BINPAK working:

- keep door seals clean & free of debris and liquids which may freeze and prevent the door from opening
- if you normally lock your loading door, keep de-icer on hand
- if your loading door is frozen closed - please do not pour warm/hot water on it ... find a way to thaw it by using de-icer or a source of dry heat
- when having your bin dumped, ensure the plug end does not get dropped in rain puddles or snow as this can cause issues when trying to plug it back in
- keep electrical cables clear of ice and prevent them from being frozen to the ground

- ❖ **CYCLING THE COMPACTOR:** Run the compactor more frequently in the extreme cold – example: when staff are taking out cardboard, on a break etc. - push the button to cycle the compactor

- ❖ **FROZEN BAGS:** We recommend that the waste bags be allowed to freeze outside the BINPAK before being cycled through the compactor; for example – place the waste bags beside the compactor for an hour or two and when frozen – cycle through the BINPAK

- ❖ **LITHIUM GREASE:** The option exists to spray the inside of the chute with lithium grease which will deter frozen waste/liquid from sticking to the inside of the chute in extreme cold weather. The general process, which would have to follow your own H&S guidelines, would be to power down the compactor after a lift, while it is empty, and spray the inside of the chute as far back as can be reached.





3.3 Electrical Installation Guide Model: BINPAK® Self-Contained Compactor

Follow all applicable electrical codes - to be installed by a licensed electrician.

	Single Phase	Three Phase
Electrical Feed	Minimum #10 AWG copper conductors, depending on voltage drop calculation	Minimum #10 AWG copper conductors, depending on voltage drop calculation
Master Disconnect	a) Wall mounted near compactor b) 30 AMP 2 Pole Breaker c) Lockable disconnect switch with a minimum of 30 AMP rating d) NEMA 3R or IP65 rated	a) Wall mounted near compactor b) 30 AMP 3 Pole Breaker c) Lockable disconnect switch with a minimum of 30 AMP rating d) NEMA 3R or IP65 rated
Plug (Cord) End (supplied by BINPAK Compactors)	Manufacturer: Appleton – POWERTITE Part number: ACP3023BCRS	Manufacturer: Appleton – POWERTITE Part number: ACP3034BCRS PHASING - Verify the plug end is installed with CW (clockwise) phasing
Cord	a) Minimum 10/3 SOOW Cab Tire b) Cord hanger bracket attached to wall	a) Minimum 10/4 SOOW Cab Tire b) Cord hanger bracket attached to wall
Panel Breaker	30 AMP/208-230 VAC	30 AMP/208-230 VAC

Recommendation to attach Plug End

- Wire connection with cab tire
- Ensure sealing ring is on plug side of alignment screw
- Screw base and plug together firmly, hand-tight
- Install cab tire clamp brackets in alignment and ensure bracket screws are tight

3.4 BINPAK Electrical Connections



Plug End (Pic shown Plug End is plugged in)



Receptacle (on BINPAK)

3.5 Lid Handle (Hauler Use Only)



Single Lid Handle



Double Lid Handle

4.0 Troubleshooting Guide

This basic troubleshooting guide is to assist the operator to solve basic issues with the unit. If any of these procedures do not solve the issue, please CALL for service.

No Power
Make sure that plug is fully inserted, and collar is threaded hand tight. Make sure E-Stop button is pulled out (follow reset procedure if E-Stop was depressed) Make sure Disconnect is in ON position
RED light on
Make sure that door is closed tightly and latched. Make sure E-Stop is pulled out. Bin may be full. Red light not on due to bin full.
RED fault light is flashing continuously
Call for service.



Serial Number Plate (Adjacent Power Connection)



5.0 Basic Maintenance Manual

5.1 Washing & Cleaning

The BINPAK® may be washed with a mild soap and water using a cold-water pressure washer with a pressure not greater than 1500 psi. When using the pressure washer, take care not to remove any decals. The buttons and lights on the front may be washed with a pressure washer if the pressure is not greater than 1500 psi. Ensure that the electrical connector cord end nut is tightened to the receptacle prior to washing.

5.2 Door Hinges and Latches

Gease all door hinges and latches yearly

5.3 Hydraulic System

The BINPAK compactor has been designed to avoid the necessity of regular maintenance. The manufacturer recommends that once per year there should be a visual inspection of all hoses and hydraulic components. At this time, it is recommended that the hydraulic oil level be checked, and oil added if necessary. All inspections must be done with compactor disabled and by a BINPAK Compactors approved third party inspector.

Only a qualified technician (authorized by BINPAK Compactors) should service any components in the hydraulic system.

5.4 Electrical System

Only a qualified technician (authorized by BINPAK Compactors) should inspect and service any components in the electrical system.



6.0 Safety Features

Every BINPAK Compactor is equipped with dual safety features – electronic and mechanical – that prevent the operation of the unit with the loading door open.

6.1 Door Sensor (electronic)

- BINPAKS are designed such that the unit will not power up if the loading door is not properly closed. There are two door sensors – one on the loading door and the corresponding partner sensor on the body of the unit in the door frame area – if these electronic door sensors do not match up, the BINPAK will not operate. Therefore, your BINPAK will not run with loading door open.

6.2 Door Latch (mechanical)

- Every BINPAK has a mechanical latch that holds the loading door closed during an operating cycle.

6.3 Locking Lid Handle (Optional)

- Will hold top lid locked in the closed position. This is an optional precautionary feature for unwanted entry by unauthorized persons. This option requires a hauler-provided lock that allows the front-load truck driver the ability to unlock and relock the top lid after each service.

6.4 Specifications

Dimensions		
Width (overall)		83 in
Depth		64 in
Height		83 in
Load Height		26 in
Load Door Opening Size		19 x 32 in
Weight (approx.)		2760 lbs
Volume		6 cubic yards
Electrical Requirements		
Voltage	208-230 VAC	208-230 VAC
Current	30 AMPS	30 AMPS
Phase	Single	Three
Hydraulics		
Pressure (max)		2400 psi
Pressure (working)		2000 psi
Hydraulic Oil		ATF
Reservoir Capacity		9 Litre
Performance		
Cycle Time		52 seconds
Compaction Ratio (approx.)	waste	up to 6:1
	cardboard	up to 4:1
	recyclables	up to 8:1

7.0 Keypad Entry System Coding



SHORT-FORM KEYPAD CODE CHANGE INSTRUCTIONS

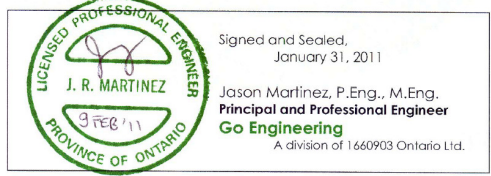
To Reprogram Keypad including removing old code

<i>Follow all steps below exactly on the keypad on a powered on compactor:</i>	Enter exactly what you see in the left column
725	This is the programming code
111111	Overall system code
1	Pause for 1 or 2 seconds max
11	Index to remove old codes
1	Pause for 1 or 2 seconds max
4	Number of digits in new code (or 5 if you prefer)
XXXX	This is your new code but no 1's or 9's
0	Ends reprogramming

To Add A Code

<i>Follow all steps below exactly on the keypad on a powered on compactor:</i>	Enter exactly what you see in the left column
#111111	Overall system code – include the #sign
1	Pause for 1 or 2 seconds max
12	Door timing-relatch code
1	Pause for 1 or 2 seconds max
4	Number of digits in new code (or 5 if you prefer)
XXXX	This is your new code but no 1's or 9's
0	Ends reprogramming

8.0 Certification and Compliance

CSA This equipment meets or exceeds CSA SPE-1000 standards.	
UL The equipment is certified as compliant with specific ANSI/UL safety standards.	
ESA This equipment is evaluated to the model code SPE-1000. Such evaluation is an accepted form of approval of electrical products by the authority having jurisdiction.	
TUV This equipment complies with the specific ANSI/UL standard(s) for safety noted in the Field Evaluation report, limited to electrical fire and shock hazards.	
NEMA The Appleton plug end and receptacle utilized by the BINPAK Compactor are NEMA certified under NEMA 4X (30, 60, 100, 150 and 200 Amp) and NEMA Configuration FB11.	
OSHA The U.S. Occupational Safety and Health Administration (OSHA) enforces regulations designed to keep the workplace safe. The BINPAK Compactor complies with OSHA standards.	
NLTE Approved in compliance with CSA Z432-04 and the general safety requirements of R.R.O. Regulation 851 Occupational Health and Safety Act for Industrial Establishments. The legal requirement which defines the scope of this Certificate are is Ontario OHSA 54.1.(k) Ontario Regulation 851. This equipment does meet the indicated requirements and is 'Not Likely to Endanger.'	
ANSI The equipment complies with ANSI Std Z245.2-2013.	

Black Bear Resistant Certified Grizzly Bear Resistant Certified

The BC Bear-Resistant Product Group is a partnership between WildSafeBC and the BC Wildlife Park in Kamloops, BC. Having certified bear-resistant containers is one way to reduce access by bears to garbage and food waste. It is also a viable option for communities seeking to become Bear Smart.

Products are tested at the BC Wildlife Park to determine their resistance to the forces from either black bears or grizzly bears. Our testing follows protocols similar to those established by the Interagency Grizzly Bear Committee. If a product can withstand one hour of contact time with the specified bear species, without presenting a food reward, the product is deemed to have passed.



North American Bear-Resistant Products Testing Program

Official Test Results

Test File # 17-03

Testing Date: July 13, 2017

Product Supplier: BinPak Compactors

We are pleased to inform you that on July 13th, 2017, your BinPak 6 yard self-contained compactor passed the captive bear test for bear-resistant products at the BC Wildlife Park in Kamloops, British Columbia. During the duration of this test your bin was not breached and therefore withstood the forces exerted by 60 minutes of black bear contact time. The BinPak 6 yard self-contained compactor is therefore certified black bear resistant.

If there are any questions you may have regarding the testing please do not hesitate to contact us. Thank you for participating.

BC Wildlife Park
Kamloops

Glenis Grant,
General Manager
BC Wildlife Park

Frank Roney
Provincial WildSafeBC Coordinator
BC Conservation Foundation

Adrienne Clay
Animal Care Supervisor
BC Wildlife Park



North American Bear-Resistant Products Testing Program

Official Test Results

Test File # 17-01

Testing Date: June 15, 2017

Product Supplier: BinPak Compactors

We are pleased to inform you that on June 15th, 2017, your BinPak 6 yard self-contained compactor passed the captive bear test for bear-resistant products at the BC Wildlife Park in Kamloops, British Columbia. During the duration of this test your bin was not breached and therefore withstood the forces exerted by 60 minutes of grizzly bear contact time. The BinPak 6 yard self-contained compactor unit is therefore certified grizzly bear resistant.

If there are any questions you may have regarding the testing please do not hesitate to contact us. Thank you for participating.

BC Wildlife Park
Kamloops

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