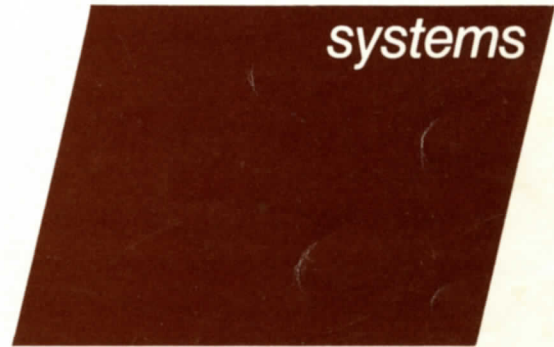


The LP-900 **LOAD PACKER**



by

GarWood



the most complete packer for today's refuse market



*Unit shown with optional color trim stripes



The LP-900™ LOAD PACKER® BY *GarWood*®

**A completely new design for better
control of collection operations
and lower everyday operating costs**

**Bigger Payloads Long-Term Reliability
Higher Route Productivity
Ease of Maintenance Plus Modern Styling**

The Gar Wood LP-900 Load Packer is the best way to help meet the rising demands on your refuse collection services. Whether you're a municipality or a private contractor . . . whether your application is commercial, residential, or both . . . you'll profit by the benefits of greater operating economies on all your routes!

In fact, the LP-900 sets new standards in the refuse collection industry. After an in-depth study of the current state of refuse collection, Gar Wood engineers and designers have applied the latest technology to build a Packer that exceeds present industry performance standards. All LP-900 components were developed to complement one another and tested for their high performance characteristics.

The LP-900 will give you better control of your collection operations and help lower your everyday operating costs by delivering:

BIGGER PAYLOADS

The biggest in the industry. Maximum loads are achieved through DYNA-ACTION—a unique combination of dynamic packing characteristics.

DYNA-ACTION assures maximum refuse reduction, a uniform high density load, faster loading, and better weight distribution.

LONG-TERM RELIABILITY

The LP-900 is built to pack . . . and keep on packing! The body and tailgate are designed to withstand high packing pressures generated through DYNA-ACTION. In addition, SARGELOY, a high strength, low weight, wear resistant steel was engineered for greater structural durability and improved weight distribution.

HIGHER ROUTE PRODUCTIVITY

The LP-900's user-designed operating features encourage more efficient on-the-job performance. A single hydraulic control lever adds flexibility to cycle control and increases loading efficiency.

A deep hopper provides increased loading capacity, thus requiring fewer packing cycles.

Fast cycle and re-load times combine to eliminate waiting and reduce fuel consumption. A hydraulic overload sensing system automatically protects against structural damage from unbreakable objects.

EASE OF MAINTENANCE PLUS MODERN STYLING

The LP-900 features attractive styling, in addition to its minimum maintenance construction. Trouble-free operation is provided by specially protected hydraulic and electrical service lines, a safety engineered lighting system, and greaseless bearings.

Built-in accessibility to working components speeds maintenance procedures, assuring minimum downtime.

Its attractive appearance is further enhanced by a unique design making it one of the quietest Packers in the industry.



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BIGGER PAYLOADS

Achieves at least 30 percent more payload per cubic yard . . . the highest density payload in the industry!

Dynamic churning action breaks up refuse into small particles.

THE LP-900 LEADS THE FIELD IN GREATER DENSITY COMPACTION

In test after test, conducted on all types of refuse routes, the new LP-900 outpacked the competition by an average of 30%. This superior performance is due to Dyna-Action. Gar Wood's answer to constantly higher packing forces with greater uniform density throughout.

"DYNA-ACTION SCIENTIFICALLY CONTROLLED MATERIAL COMPACTION"—AN INDUSTRY FIRST

The Extraordinary high load density produced by the LP-900 results from what we term "DYNA-ACTION"—scientifically controlled material compaction. In addition to the high compaction pressures exerted by the packing panel, the movement of the packing panel along the contour of the hopper creates a rolling (churning) action forcing the refuse to work against itself, as well as the packer, in a self-reducing process. From the initial loading to the final compression within the body, all refuse is forced into a torturous rolling twisting action in which all reducible objects are compressed, broken, crushed and ground into their most compactible state.

THE MOST EFFECTIVE LOAD PACKING PRINCIPLE ON THE MARKET

Another important feature, unique to the LP-900, is the constant packing pressure control. Control that maintains maximum packing pressure on each packing cycle to assure high load density. This action is accomplished through a specially developed hydraulic sensing valve that works in conjunction with the system relief valve. Only when the hydraulic system reaches maximum working pressure during a packing cycle will the ejector cylinder be released to move forward in the packer body. This ensures higher, more constant density loads from the front of the Load-Packer to the rear. The result is better weight distribution and bigger allowable payloads!

High compaction pressure obtained through superior hydraulic system

A SINGLE-HINGED PACKING PANEL—IT DELIVERS A PUNCH ALL ITS OWN!

The LP-900 packing panel is composed of two sections that are hinged in the center to form a single operating unit. This delivers the power, flexibility and control which gives this unit its tremendous packing characteristics. The panel has exceptional shearing strength and durability due to its SARGELDY steel construction. Two sets of hydraulic cylinders actuate the packing panel, the set inside the gate at the rear of the panel causes the lower section of the panel to sweep in and out. The external cylinders under the side covers move both panels upward and inward to pack the load.

*Unit shown with optional color trim stripes





Computer-aided stress analysis used for body design

A FUNCTIONALLY CAMBERED ROOFLINE

The LP-900's cambered roof is designed to equalize the body side forces while the unit is packing. Compaction pressures which would tend to deform the body are offset by the structural configuration of the roof. The result is almost zero body deflection! This design contributes to higher density compaction, better balanced loads, trouble-free packing action and maximum payloads. In addition, the roof's curvature provides an excellent water-shed.

ANGLED BODY SIDE BEAMS

The forward sweep of the body side beams gives the LP-900 a dynamic appearance! But that's just a small part of the story. These side beams are set at the same angle as the tailgate, supplying the added strength to withstand greater unit loading. The spacing and location of the body side beams are strategically placed closer together toward the rear of the body, where the severest packing conditions are encountered.

LONG-TERM RELIABILITY

**Engineered and built for structural
and operational integrity**

Stronger body construction

ALL-NEW BODY CONSTRUCTION

The entire LP-900 body is manufactured from high tensile steel. Special emphasis has been given to the elimination of water pockets that cause rust and early body deterioration.

EFFICIENT FOUR-POINT DISPERSION OF PACKING STRESSES

The packing mechanism of the LP-900 is designed so that its panels are carried on four links. These links disperse the high distribution forces to all four corners of the Packer body. This efficient distributing action eliminates the damaging one-way forces normally transmitted directly into the tailgate structures found on most competitive units.

UNIQUE FLOOR CONSTRUCTION

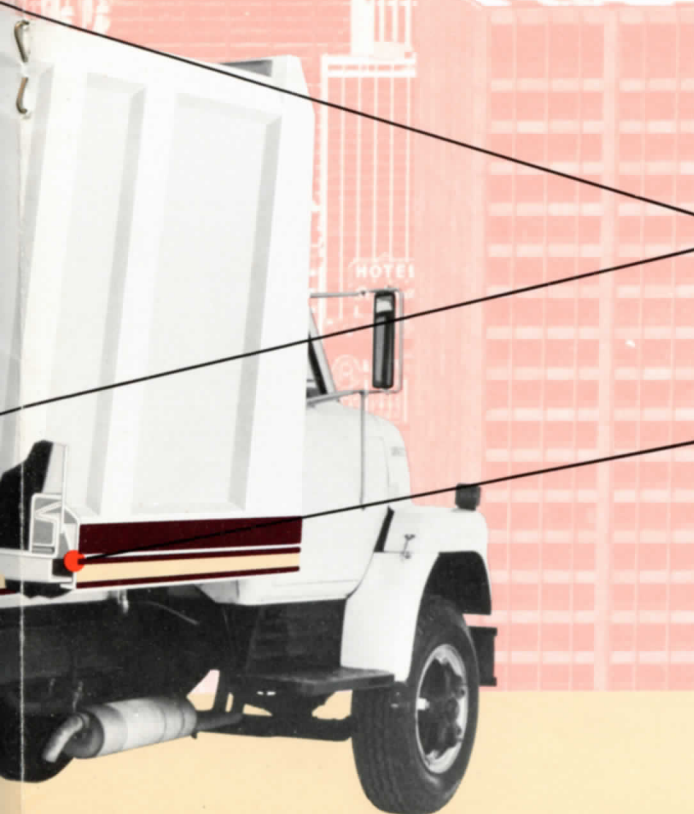
The durability and weight-to-strength ratio of the body floor construction ensure total unit compatibility. Unlike most refuse units today, the LP-900 does not depend on welds alone for water tightness. Instead, the floor edges are rolled at a 90 degree angle, to form sides 10 inches high . . . At this point the floor sides are shaped into channel sections and welded to the body sides. This welding is well above the fluid level normally present when compacting refuse, eliminating objectionable leakage!

Space age SARGELOY metal prevents breakdowns!

EXTRA STRENGTH TAILGATE CONSTRUCTION

The new LP-900 tailgate is designed to operate as an integral unit with the body. It offers the best compaction and weight-to-strength ratios in the industry! Stronger lighter weight steel, coupled with the deep close-to-the-body-contour of the hopper, eliminates more than a ton of dead weight from the tailgate! This superior design provides the best weight distribution and overall handling characteristics currently available!

The lightweight tailgate sides, and the entire hopper, are manufactured from SARGELOY—a special heat-treated steel that provides the strength of armor plate! This extra strength makes possible the tremendous packing and carrying capabilities of the LP-900. In addition, the tailgate sill is constructed of SARGELOY, to resist the shearing and breaking forces of larger objects. The use of SARGELOY offers yet another major advantage. Repeated packing operations reduce surface friction with moving refuse as the hopper “polishes” to a mirror-like finish. The self-polishing SARGELOY surface also reduces the possibilities of sharp or abrasive objects piercing the tailgate and hopper during trash loading operations.



HIGHER ROUTE PRODUCTIVITY

User-designed features speed the collection process

Fast cycle and fast reloading time with single lever operation

A SIMPLE, SINGLE LEVER HYDRAULIC CONTROL

The new LP-900 has a mechanical over hydraulic control system. It is actuated by a single lever!

A FAST CYCLE TIME

The LP-900's fast cycle time and fast reload time improves route productivity. Reloading time is only 9 seconds, minimizing crew waiting time. The complete cycle takes only 28 seconds!

Packing operation can be short-cycled for greater loading flexibility

SHORT-CYCLE OPERATION

The packing cycle is completely automatic; once actuated, however, it is simply a matter of moving the operating lever to short-cycle the panel operation in order to pack any portion of the hopper the operator desires. This feature reduces the possibility of panel hang-ups.

A HYDRAULIC OVERLOAD SYSTEM

The LP-900 hydraulic system is designed to protect itself against damage. A hydraulic relief valve automatically operates when packing forces at the loading sill exceed its design strength. The flexibility of the hydraulic system provides jam-proof operation.

Designed for fast unloading

A SIMPLIFIED, NO-STOP EJECTION SYSTEM

At the dump, the rugged dozer-type ejector panel pushes out the load in one swift move! No fuel-wasting, time-wasting "start and stop" operation. With the Gar Wood 900 Load-Packer, you get complete clean-out fast!

The ejector panel moves along channel supports located at the sides of the body, while the floor is unobstructed and has no center guide to hinder the free outflow of material.

Big 3-yard hopper when equipped with optional container attachment

A LARGE HOPPER TAKES ABOUT ANYTHING!

Refrigerators, desks, 55-gallon drums, large crates, upholstered furniture, washers and dryers, metal scrap . . . The LP-900 hopper takes just about everything you might encounter on residential or commercial pick-up routes. Now you can collect everything the first time around, eliminating special or return pickups and provide a more complete service to the customer, more efficient service for you. And the bigger loads produced by DYNA-ACTION means fewer trips to the dump site. The hopper itself is designed deep, rather than long and shallow, providing improved weight distribution and ease of loading.





Choice of three container lifts

THREE DIFFERENT CONTAINER HANDLING ATTACHMENTS ARE AVAILABLE

The container attachments you need to perform your work are available with the LP-900. These include: a cable panel container lift attachment; a completely independent, hydraulically controlled lift arm attachment for containers up to 4 cubic yards; and an 8000 lb. capacity overhead winch mechanism for handling containers up to 10 cubic yards. Your local Gar Wood distributor will assist you in making the proper selections for your needs.



Modern styling and noise control

OPTIONAL COORDINATED COLOR STYLING—AN EXCLUSIVE FIRST FROM GAR WOOD

Besides having the muscle to do the job, the LP-900's angled body side beams give it a forward look that will add to the pride you take in your fleet. Optional distinctive color-coordinated striping distinguishes its styling from all other packers on the market. In demonstrations across the country, units bearing these distinctive markings received the enthusiastic approval of contractors, municipal officials and housewives. If you would like to incorporate this optional special color combination to your fleet, your Gar Wood dealer will be happy to assist you.

THE NEW LP-900 IS CREATING A LOT OF NOISE IN THE INDUSTRY . . . BUT VERY LITTLE ON THE ROUTE!

Gar Wood engineers placed major emphasis on designing a packer that muffled many of the annoying sounds that accompany any type of mobile refuse equipment. New LP-900 design incorporates a quieter pump, better sound-insulating mountings, more rigid body structure, and a larger hopper that requires fewer packing cycles. These, and other built-in sound muffling elements make the LP-900 THE QUIETEST UNIT ON TODAY'S MARKET!

EASE OF MAINTENANCE

Cost-saving ideas assure maximum time on the route, minimum time in the shop.

Built-in accessibility to working components

THE FRONT WALL CAN BE OPEN OR CLOSED

The open front of the body offers quick access to hydraulic components for ease of maintenance. All hydraulic control valves are easy to reach for servicing or replacement. If you prefer a closed front, optional panels are available. The front wall incorporates double upright supports that serve a multiple purpose. (1) They securely anchor the base of the ejector blade's telescopic cylinder. (2) They serve as the oil reservoirs for the hydraulic system. The use of the upright supports for oil reservoir tanks permits an increased oil head on the pump. These supports also act as large, highly efficient heat exchangers to maintain low oil temperatures—even during continuous packing operations.

SAFETY-ENGINEERED, HIGH INTENSITY LIGHTING

The clearance and marker lights used on the LP-900 feature modern styling. They employ the latest advances in lighting technology. Their size is smaller than most conventional designs, but their higher candle power rating makes these lights visible from a greater distance. All light covers are molded from Cycolac ABS plastic, and are virtually unbreakable! They are shock mounted for greater impact resistance. For further protection, all stoplights, tail lights, back-up lights, and license illuminators are safely protected in a recess beneath the Packer's loading sill. Also, all LP-900 lights are easily serviced or replaced.

Lifetime lubrication for bearings

GREASELESS LUBRICATION—ANOTHER FIRST IN THE INDUSTRY

All pivot points in the new LP-900 are equipped with a new type of bushing. The bushing is composed of a woven Teflon fiberglass material that provides greaseless lubrication! All troublesome grease fittings are eliminated. The hydraulic cylinders that activate the packing panels feature a urethane seal and chrome piston rods that are designed for long, trouble-free operation.

Hydraulic and electrical service lines protected inside metal raceways

SPECIALLY PROTECTED HYDRAULIC AND ELECTRICAL SERVICE LINES—AN INDUSTRY EXCLUSIVE

The top of the LP-900 is unobstructed! There are no exposed pipes, hoses or wiring that could be damaged by tree limbs, causing expensive down-time. Instead, hydraulic and electrical service lines are shock mounted and protected within a metal raceway that is fabricated as part of the packer roof.



**GAR WOOD-BOSTON
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**DYNA-ACTION . . . RUGGED BODY
CONSTRUCTION . . . USER-DESIGNED
OPERATING FEATURES . . . EASE OF
MAINTENANCE . . . ATTRACTIVE STYLING
. . . ALL REASONS WHY THE NEW
GAR WOOD 900 LOAD-PACKER**

**OFFERS ALL THE QUALITY AND PER-
FORMANCE YOU NEED FOR
EFFICIENT AND ECONOMIC REFUSE
COLLECTION. CONTACT YOUR
LOCAL GAR WOOD DISTRIBUTOR FOR
A DEMONSTRATION TODAY!**



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