



Atlas® 9120K and 9820K Series AST Pumps

# Recommended Spare Parts List

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## Approvals

**Gasboy, Greensboro, is an ISO 9001:2000 registered facility.**

### Underwriters Laboratories (UL):

UL File#	Products listed with UL
MH4314	All dispensers and self-contained pumping units
MH10581	Key control unit, Model GKE-B Series Card reader terminals, Models 1000, 1000P Site Controller, Model 2000S CFN Series Data entry terminals, Model TPK-900 Series Fuel Point Reader System

### California Air Resources Board (CARB):

Executive Order #	Product
G-70-52-AM	Balance Vapor Recovery
G-70-150-AE	VaporVac

## National Conference of Weights and Measures (NCWM) - Certificate of Compliance (CoC):

Gasboy pumps and dispensers are evaluated by NCWM under the National Type Evaluation Program (NTEP). NCWM has issued the following CoC:

CoC#	Product	Model #	CoC#	Product	Model #	CoC#	Product	Model #
95-179	Dispenser	9100 Retail Series, 8700 Series, 9700 Series	91-019	Dispenser	9100 Commercial Series	05-002	Atlas	8700K, 8800K, 9100K, 9200K, 9800K
95-136	Dispenser	9800 Series	91-057	Controller	1000 Series FMS, 2000S-CFN Series			

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# 1 – Introduction

## Purpose

This manual provides information to help stock spare parts. Review this information, and stock the recommended parts and quantities for the corresponding Gasboy® Atlas® equipment in your service area.

## How to Use This Manual

This manual provides spare parts information in a tabular form. The tables have parts that are recommended for Authorized Service Contractors (ASCs) and distributors.

## Parts Tables

The tables in this manual are set up as follows:

Part Description	Part Number	Where Used	Critical	ASC		Distributor	
				100	100	500	500
Assembly, Meter Check Valve	N23619-G4	All	Medium	1	2	5	5

Definitions for each column are provided below:

### Part Description

The part description column provides a detailed name for each recommended part. Other information such as colors, dimensions, or other details are also provided, wherever applicable.

### Part Number

The part number column indicates the current Gasboy part number for each item.

### Where Used

The where used column helps to identify specific units or areas where a part is used and avoid ordering of parts already in stock.

The where used key at the bottom of the table provides definitions for the where used column.

## Critical

The critical column indicates how important a part is to the operation of a unit. Definitions are as follows:

Importance	Description
High	Loss of this part will shut down a system.
Medium	Loss of this part will cause the loss of console, and some pump or dispenser control or service.
Low	Routine service part significantly affecting the usage of the unit.

## ASC and Distributor

The ASC and Distributor columns indicate how many units of each part must be stocked for both ASCs and distributors. The 100 and 500 columns indicate recommended quantities for ASCs and distributors with either 100 or 500 of a particular unit in their service area.

Quantities shown in this manual are for reference only. The actual quantities that must be stocked by an ASC or distributor are dictated by the business conditions for the area (such as the age of equipment, number of technicians, and distance between the ASCs and distributor).

## Remanufactured Board Express

We encourage you to use genuine Gasboy boards repaired through Gasboy's remanufactured board express service for replacements during warranty. This is approved within Gasboy's warranty policy.

## Abbreviations and Acronyms

Term	Description
ASC	Authorized Service Contractors
IC	Integrated Circuit
I/F	Interface
LCD	Liquid Crystal Display
OIML	International Organization of Legal Metrology
PCA	Printed Circuit Assembly
PCB	Printed Circuit Board
TB	Terminal Block

## Warranty

For information on warranty, refer to *MDE-4255 Gasboy Warranty Policy Statement*. If you have any warranty-related questions, contact Gasboy's Warranty Department at its Greensboro location.

## 2 – Commercial Parts

### Base and Motor Shaft

Part Description	Part Number	Where Used	Critical	ASC		Distributor	
				100	100	100	500
Motor 3/4HP 220/380V (3 Phase, 50/60 Hz) 220V Relay	M01068B303	All	High	1	3	5	
Belt Adjustable (45" Length)	M07022B003	All	High	1	3	5	
Electric Motor (1 Phase, 50 Hz)	R14213-33	All 50 Hz Applications	High	1	3	5	
Electric Motor (1 Phase, 60 Hz)	M13377B102	All 60 Hz Applications	High	1	3	5	

**Where Used key:**

All = all unit models

Mechanical = all models with a mechanical computer or non-computer

Electronic = all units with an electronic readout

I/F Option Only = optional Pulser Interface Board

Pumps = all units with pumping units

### GPU M04920B003 Assembly (Through 2023)

Part Description	Part Number	Where Used	Critical	ASC		Distributor	
				100	100	100	500
O-ring 2.237 X 0.103	Q10067-31	All	Medium	1	1	2	
Bypass Valve	M04920K100	All	High	1	1	2	
Strainer	M04920K101	All	Low	1	1	2	
Master Seal	M04920K102	All	Medium	1	1	2	
Blades	M04920K116	All	Low	1	1	2	
Control Valve	M04920K104	All	High	1	1	2	
Shaft Seal	M04920K105	All	Medium	1	1	2	
Pumping Element Field Rebuild	M04920K117	All	High	1	1	2	
Sump Float - International Organization of Legal Metrology (OIML) (B005)	M04920K107	All	Medium	1	1	2	
Pumping Element Shop Rebuild	M04920K118	All	Medium	1	1	2	
Inlet Check Valve	M04920K109	All	Medium	1	1	2	
Overflow Check Valve	M04920K110	All	High	1	1	2	
Sump Float - Non-OIML (B001)	M04920K107	All	Medium	1	1	2	

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I/F Option Only = optional Pulser Interface Board

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## GPU M09593A102 Assembly (Starting Late 2023)

Part Description	Part Number	Where Used	Critical	ASC		Distributor
				100	100	500
Complete Pumping Unit	M09593A102	M09593 GVRI GPU+ Pump	High	1	1	2
Bypass Valve	M09593K100	M09593 GVRI GPU+ Pump	Medium	1	1	2
Strainer	M09593K101	M09593 GVRI GPU+ Pump	Medium	1	1	2
Master Seal	M09593K205	M09593 GVRI GPU+ Pump	Medium	1	1	2
Control Valve	M09593K101	M09593 GVRI GPU+ Pump	Medium	1	1	2
Lip/Shaft Seal	M09593K206	M09593 GVRI GPU+ Pump	Medium	1	1	2
Sump Float	M09593K107	M09593 GVRI GPU+ Pump	Medium	1	1	2
Inlet Check Valve	M09593K207	M09593 GVRI GPU+ Pump	Medium	1	1	2
Control Valve Cover	M09593K210	M09593 GVRI GPU+ Pump	Medium	1	1	2
Bypass Valve Cover	M09593K211	M09593 GVRI GPU+ Pump	-	-	-	-
Filter Cover	M09593K212	M09593 GVRI GPU+ Pump	Medium	1	1	2
Pumping Element - Field Rebuild	M09593K208	M09593 GVRI GPU+ Pump	Medium	1	1	2

### Performance Concerns with M09593A102 Pumping Units

In cases of extreme inlet conditions or excessive power runs, pumping performance may be too loud or power drawn may be too high. The following parts can be ordered to improve either or both:

- 1 60 Hz power- Motor Pulley R18900-30 and adjust belt links to tighten the belt.
- 2 50 Hz power- Motor Pulley R18900-34 and adjust belt links to tighten the belt.



## Reset/Register Module

Part Description	Part Number	Where Used	Critical	ASC		Distributor	
				100	100	100	500
Drive Register Assembly 9120 Gallon	G022834	Mechanical	Medium	1	2	5	
Drive Register Assembly 9120 Liter	G022835	Mechanical	Medium	1	2	5	
9120K Reset Assembly Elec Unli 115/60 Hz	M09919A101	Mechanical	High	1	2	5	
9120K Reset Assembly Elec Unli 230/50 Hz	M09919A201	Mechanical	High	1	2	5	
9120K Reset Assembly Elec Unli 230/60 Hz	M09919A203	Mechanical	High	1	2	5	

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Pumps = all units with pumping units

## Pulser Module

Part Description	Part Number	Where Used	Critical	ASC		Distributor	
				100	100	100	500
Contactora 10 to 1	G021788	Mechanical	Medium	1	3	6	
Pulse Transmitter (100:1)	G047648	Mechanical	Medium	1	3	6	

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I/F Option Only = optional Pulser Interface Board

Pumps = all units with pumping units

## Meter Assembly

Part Description	Part Number	Where Used	Critical	ASC		Distributor	
				100	100	100	500
Assembly, CFT and VFT Meters	T20150-G9 (Gal.) T20150-G10 (liters)	All	High	2	3	5	
2-stage Sol Valve and Filter Manifold	M04607B002 (220V) M04607B001 (115V)	All	High	1	3	5	
Strainer Insert High Capacity (see note)	R19457	All	Low	3	5	10	
Assembly, Meter Check Valve	M13257A001	All	Medium	1	2	5	
Assembly, Drive Gear US Gallon, Brass	M07296A001	All	High	2	5	10	

**Where Used key:**

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Electronic = all units with an electronic readout

I/F Option Only = optional Pulser Interface Board

Pumps = all units with pumping units

Note: This part is sold in bags of 50. No longer sold as individual pieces.

## 9823 Totalizer

Part Description	Part Number	Where Used	Critical	ASC		Distributor	
				100	100	100	500
Kit-Totalizer 9820 Liter Factory	G025936	9823K Liter	Low	2	4	6	
Kit-Totalizer 9820 Gallon Factory	G025934	9823K Gallon	Low	2	4	6	

**Where Used key:**

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Mechanical = all models with a mechanical computer or non-computer

Electronic = all units with an electronic readout

I/F Option Only = optional Pulser Interface Board

Pumps = all units with pumping units

## 9123K and 9823K Windows

Part Description	Part Number	Where Used	Critical	ASC		Distributor	
				100	100	100	500
Window, Bezel 9120Q	G028811	Mechanical	Low	1	3	5	
Window, Totalizer 9-digit (with Vapor)	G069076	Mechanical	Low	1	3	5	

**Where Used key:**

All = all unit models

Mechanical = all models with a mechanical computer or non-computer

Electronic = all units with an electronic readout

I/F Option Only = optional Pulser Interface Board

Pumps = all units with pumping units

## Remote Register

Part Description	Part Number	Where Used	Critical	ASC		Distributor	
				100	100	100	500
Panel, Top Cover, 9820 Register	G040996	Electronic	Low	0	1	2	
Standoff, 5/16-18 M/F 7/8 LG HEX	C09585	Electronic	Low	1	3	5	
Sleeve, Handle Stop	C09584	Electronic	Low	0	1	2	
Lever, Control, 9820 Machining	G003771	Electronic	Medium	1	3	5	
Panel Weld Assembly, Sides/Back 9820	G040999	Electronic	Low	0	1	2	
Hood	G029416	Electronic	Low	1	2	3	
Hood, Support Assembly	G063507	Electronic	Low	1	2	3	
Bearing Plate Assembly	G045988	Electronic	Medium	1	2	3	
Bracket Nozzle MNTG Cover-9820	G015760	Electronic	Low	1	2	3	
Bracket Hook Support-9820	G015694	Electronic	Medium	1	2	3	
Roll Pin, 1/8 X 1-3/8	G042657	Electronic	Medium	1	2	3	

**Where Used key:**

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Electronic = all units with an electronic readout

I/F Option Only = optional Pulser Interface Board

Pumps = all units with pumping units

# Remote Register Chassis Assembly

Part Description	Part Number	Where Used	Critical	ASC		Distributor
				100	100	500
Weld Assembly, Chassis	C35584	Electronic	Low	0	1	2
Cable Assembly, DC Power	C06679	Electronic	Medium	1	3	5
Printed Circuit Board (PCB) Assembly, Power Supply without Battery, 115 V	M15579K001	Electronic	High	1	3	5
Bracket Assembly, RH Hinge	C35538	Electronic	Medium	0	1	2
Relay Assembly	C06681	Electronic	High	1	3	5
Cable Assembly, 5-positions Terminal Block (TB)	C06674	Electronic	Low	0	1	2
Cable Assembly, 10-positions TB	C06675	Electronic	Low	0	1	2
Fuse Holder, Quick Connection	C09546	Electronic	Low	1	3	5
PCB Assembly, CPU	M06333K9800AQ	Electronic	High	2	3	5
Reflector, Liquid Crystal Display (LCD) Backlight	C35399	Electronic	Low	1	3	5
Assembly, Main Display	M12158A004	Electronic	Medium	1	3	5
Bracket Assembly Display Door	C35543	Electronic	Low	1	3	5
Cable Assembly Totalizer with Bracket	C06673	Electronic	Low	1	3	5
Actuator, Totalizer	Q12514-02	Electronic	Low	1	3	5
Integrated Circuit (IC) RAM 2K X 8	C01383	Electronic	High	2	3	5
PCB Assembly, Sale Backlight, Green (old, see note 1)	C06372	Electronic	Medium	1	3	5
Cable Assembly Backlight Power	C06668	Electronic	Medium	1	3	5
Cable Assembly, Ground Strap	C06454	Electronic	Medium	1	3	5
Bracket Assembly, LH Hinge	C35539	Electronic	Medium	1	3	5
RS-485 Interface (I/F) Board	M06725A001	I/F Option Only	High	2	5	7
Pump I/F Pulse Out Board	M06587A001	I/F Option Only	High	2	5	7
Printed Circuit Assembly (PCA), Display Backlight, White (new, see note 2)	M12019A001	Electronic	Medium	2	3	5

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I/F Option Only = optional Pulsar Interface Board

Pumps = all units with pumping units

**Notes:**

1. Units made before April 2011.

2. Units made after April 2011.

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