

Rocket Man Plus M1001



User guide



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Mobile Drink Backpack dispensers

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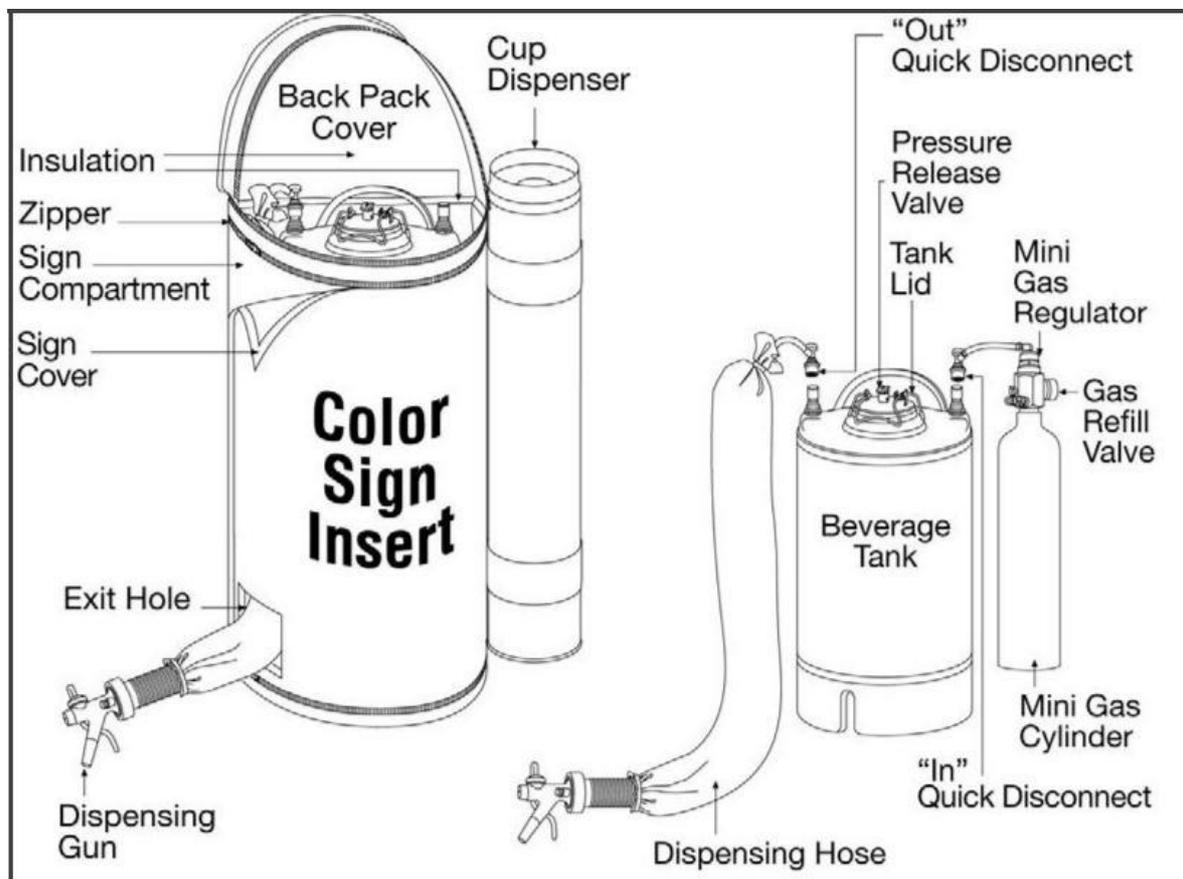
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A) What Is Included

Each **Rocket Man Plus** M1001 Backpack Drink Dispenser comes with the following:

- 3 Gallon (11.4 Liters) Stainless Steel Beverage Tank
- Mini Gas Cylinder & Regulator
- Insulated backpack cover
- Harness assembly with shoulder & chest straps, hip belt and lumbar support
- Sign compartment (clear vinyl)
- Cup dispenser
- Dispensing Hose & Gun



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B)Accessories:

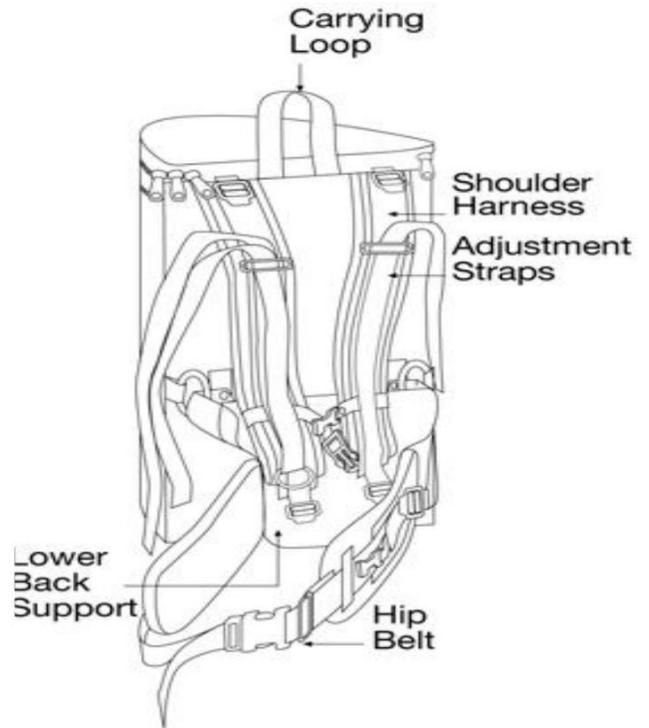
Accessories needed to operate with equipment		
	Ref.1109-03	Stainless steel disconnect for Co2 filling application.
	Ref.1205	SNIFTER valve: Will vent the beverage tank and enable beverage to be transferred .
	Ref.1206 OUT	Quick disconnect fitting (colour black)
	Ref. 1206 IN	Quick disconnect fitting (colour gray)
	Ref.1130	Rocket Pump Used to pressurize the Beverage Tank for serving non-carbonated beverages
Accessories to speed up filling operations		
	Ref.1110	Additional beverage tanks: Minimize downtime by pre-filling spare tanks.
	Ref.1203/1204	Mini Gas Cylinder/Regulator Minimize downtime by pre-filling mini Gas Cylinder.



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C) Fitting backpack harness assembly:



1. Loosen straps on harness assembly.
2. Place backpack over the person's shoulders. Slip shoulder straps over arms.
3. Connect the hip belt around the person's waist and pull straps tight so that the Hip bears most of the weight
4. Tighten shoulder and chest straps (not shown).
5. Tuck in loose straps for a neat appearance.

Conclusion:

- ❖ less stress on the shoulders and without fatigue.
- ❖ absolute comfort of transport
- ❖ adaptable to each user.

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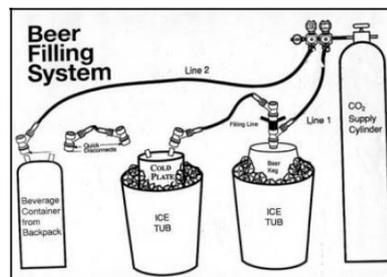
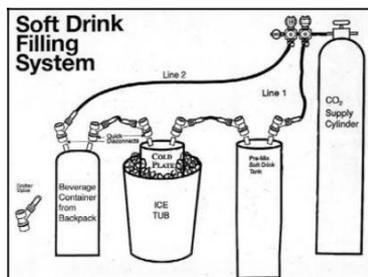
D) Filling Beverage Tank. Carbonated drinks.

To avoid that carbonated beverages do not lose quality, you must make the transfer of the drink from the barrel (keg) of your supplier to the backpack tank, under pressure of Co2 gas and at a temperature below 10° C. The lack of Co2 gas beverage looks dead, and excess of Co2 gas causes foam.

To perform this operation you must take into account the conditions under which you will hold the service:

Isolated location:

Location without access to any equipment to serve drinks. In this case, you will have to use the portable filler Kits from ROCKET MAN, mentioned in the backpacks instructions manuals.



Those kits are not so much used, because they are expensive and not practical, since it is necessary to use ice (blocks) to cool the drink and control his temperature.

Location with access to equipments to serve carbonated drinks:

More frequents events: Up to 10 backpacks in simultaneous operation.

Most used method because is more practical and fast.

You simply plug a direct plastic tube between, the beer tap tower and the entrance **IN** of the backpack drink tank, using a quick disconnect valve. At the exit **OUT** of the backpack drink tank, it must be applied a SNIFTER valve that will remove

(from the interior of tank) foam produced during **OUT** the filling operation.



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Large events: More than 10 backpacks in simultaneous operation.

Faster service is crucial to ensure the profitability of the event.

For events that take place e.g. in stadiums (football games or music concerts), it is necessary to ensure logistics conditions which minimize the waiting time of the walking vendors, in the refueling operations.

Photo caption:



(A) Drink Barrel (KEG)



(B) Beverage cooler



(C) Rocket Man M1001 Backpack beverage tank



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For faster drink refilling operations, backpack beverage tanks are previously filled and stored in coolers, until they are needed.



Importante: There is a great diversity of barrels (KEG). Each beverage producer uses its type of barrels and specific connection accessories.



Ask your supplier the keg tap coupler valve, compatible with provided barrel (KEG), as well as technical support in the assembly of the circuit required to perform the transfer of drink from the barrel into the backpack beverage tank.



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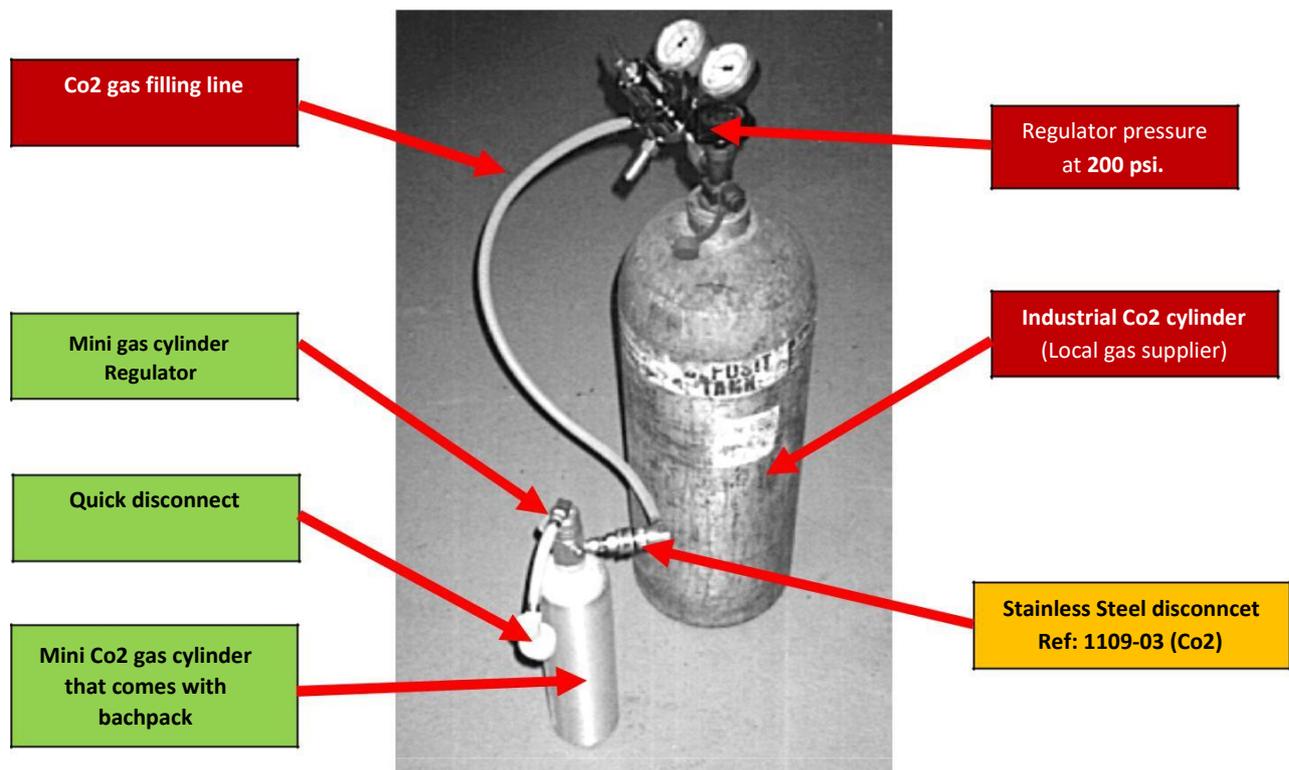
E) Filling Mini-Gas Cylinder:

The Co2 mini gas cylinder that equips the backpack aims to keep the drink with gas, so that they are served on the same terms as those recommended by the manufacturer.

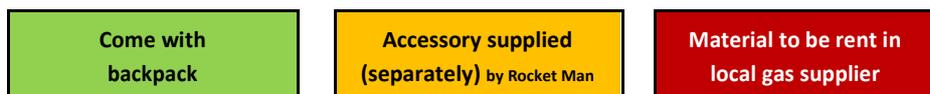
Each time you fill a backpack drink tank, you must reload the Co2 tank.

The Co2 mini gas cylinder after full, contains enough pressure to serve a full beverage tank of drink (11.4 Lts).

To proceed to the loading of the Co2 mini gas cylinder you should rent a Co2 industrial gas tank in a local supplier. This tank is identical to those used in industrial branches of hospitality, or in various industrial equipments. You must explain to your supplier the operation you want to perform, in order that he gives you some background about useful techniques to you perform this operation on security and assist you on the connections and accessories you may need.



Summary of equipment required for the operation:



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Step by step explanation:

1. Attach the gas filling regulator to the Co2 or nitrogen supply cylinder (see gas filling system).
2. Remove the mini-gas cylinder from the backpack drink dispenser.
3. Pull back the black ring on the steel quick disconnect with your thumb and two fingers. (Ref. 1109-03) (see photo #1).



4. Push the female steel quick-disconnect onto the male stainless steel fitting attached to the Mini Gas Cylinder and Regulator.



5. Press firmly (see photo on right). Be sure that the black ring snaps into place. Within a few seconds, the hissing sound will stop and the mini-gas cylinder will be automatically filled to 200 psi.
6. Remove quick disconnect. Insert mini-gas cylinder into the backpack rink dispenser. Connect the gas **IN** quick-disconnect fitting to the beverage tank **IN** valve.

Important: If the mini-gas cylinder is already partially filled, it may be difficult to attach the gas filling line due to the backpressure. In this case, unscrew the regulator from the mini-gas cylinder and SLOWLY release excess pressure.

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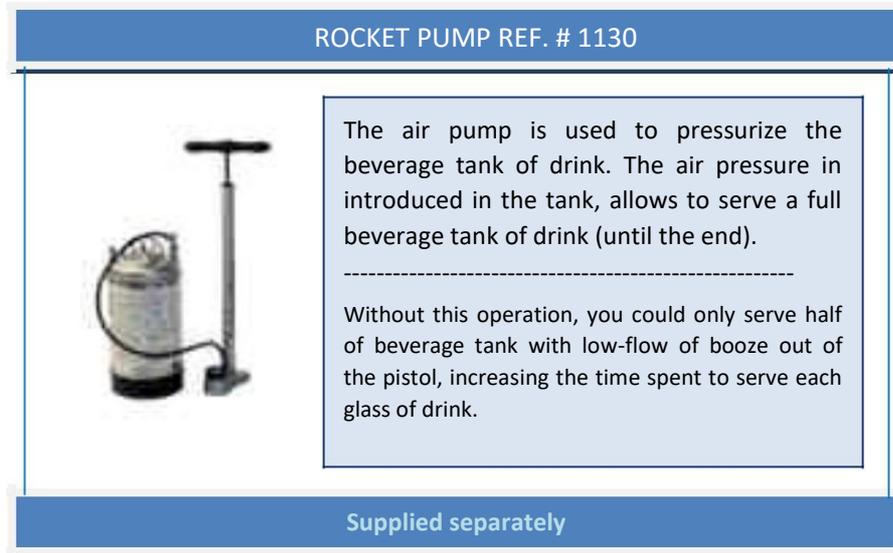


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F) Filling Beverage Tank . Non-Carbonated Beverages

The backpack Rocket Man M 1001 PLUS can also serve drinks without gas. (It becomes M 1002). To do this, simply remove the Co2 mini gas cylinder from the backpack and use the air pump ROCKET PUMP REF. # 1130 supplied separately (accessory).



1. Release pressure in the *Beverage Tank* by opening the *Pressure Release Valve* on the *Tank Lid* (You will hear a .hissing. noise as air escapes). Close the valve back after pressure has been released.
2. To remove the *Tank Lid*, pull the latch up. Then, push the *Tank Lid* down and turn it 90 degrees. Pull *Tank Lid* up and out.
3. Pour up to 2 ½ gallons (9.4 Liters) of liquid into the 3 Gallon *Beverage Tank* **four inches from the top**. Replace the *Tank Lid* and pull down on the latch to lock into place. Make sure the lid and gasket are properly aligned and tightened.
4. Connect the *Grey Quick Disconnect .IN.* from the *Rocket Pump* to the .IN. valve on the *Beverage Tank*.
5. Place foot on bottom of *Rocket Pump* and begin pumping.
6. Once the gauge reaches 60 p.s.i. the *Beverage Tank* is fully pressurized. Disconnect the *Rocket Pump*.
7. Insert the *Beverage Tank* **upright** into the Backpack.
8. Thread *Dispensing Hose* (Black Quick Disconnect .OUT. first) up through *Exit Hole*.
9. Connect the *Black Quick Disconnect .OUT.* from the *Dispensing Hose* to the .OUT. valve on the *Beverage Tank*.
10. Dispense liquid from the *Dispensing Gun* by squeezing the trigger. Turn the adjusting screw clockwise to decrease the flow or counter-clock wise to increase flow.

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G) Cleaning and Sanitization of the Equipment:

The backpacks must be rinsed properly, every time they have been used.

Remember that 90% of the complaints are related to the lack of cleaning of equipment.

Drink waste block the hose and especially the dispensing gun. To prevent this happening we recommend the following:

1. Rinse out the *Beverage Tank* with hot water (60° C).
2. Pour ½ gallon of hot water into the *Beverage Tank* and add a cleaning concentrate (suitable for stainless steel foodservice equipment).
3. Replace the *Tank Lid* and pull the latch down to lock into place.
4. Shake the *Beverage Tank* vigorously for ten seconds. Allow solution to remain in the *Beverage Tank* for an additional three minutes.
5. Pressurize to the *Beverage Tank* 50 psi with the *Rocket Pump* or Gas Filling Line.
6. Connect the *Dispensing Hose* to the .OUT. on the *Beverage Tank*.
7. Flush all of the liquid through the *Dispensing Hose* by squeezing the trigger on the *Dispensing Gun*.
8. Remove the *Tank Lid* and rinse out the remains of the cleaning concentrate. Pour an additional ½ gallon of hot water into the *Beverage Tank* (Do not add cleaning solution).
8. Repeat Steps 5,6 & 7 (above). Flush all of the water through the *Dispensing Hose* and *Gun*.
10. Cleaning and sanitation is complete. Allow *Beverage Tank* to dry before replacing lid.

Cleaning Five or More Dispensing Hoses:

1. Gather four beverage tanks or premix soft drink tanks.
2. Fill the first tank with water. Fill second tank with several ounces of a cleaning solution mixed with water. Fill third tank with water. The fourth tank is empty.
3. Pressurize all four tanks at 50 psi with Co2, compressed air or nitrogen.
4. Connect the dispensing hose/gun to the first tank (water). Squeeze trigger until clean water runs through, then disconnect.
5. Connect dispensing hose/gun to the second tank (cleaning solution mixed with water). Squeeze trigger and flush until solution runs through. Disconnect and pause for 60 seconds, or more.
6. Connect dispensing hose/gun to the third tank (water). Squeeze trigger and flush until clean water runs through; disconnect.
7. Connect dispensing hose/gun to the fourth tank (nitrogen, air or Co2). Squeeze trigger and flush until no more liquid comes out; disconnect.

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H) Troubleshooting:

1. NO LIQUID COMES OUT

- Check the connection of the Dispensing Hose (Black Quick Disconnect OUT Fitting) on the OUT. valve of the Beverage Tank to be sure its properly connected.
- Increase the flow by turning the adjusting screw on the Dispensing Gun counter-clockwise. DO NOT REMOVE ENTIRELY.
- Do not increase pressure.
- Be sure the latch on Tank Lid is shut tightly and the Pressure Release Valve is closed to prevent compressed air from escaping.
- Check the dilution of beverage concentrates as improperly mixed syrups, powders, and concentrates can clog the Dispensing Hose and Gun. Remove coffee grounds, if necessary.

2. BEER OR SOFT DRINKS HAVE TOO MUCH FOAM

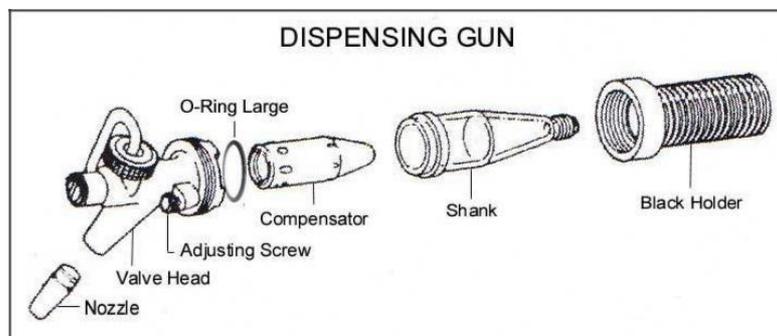
- Foam is caused by either warm temperatures or over pressurization
- Monitor the temperature of liquids sitting idle in the dispensing hose.
Discarding an ounce or two of warm beer or soda may be required if proper serving temperature is not maintained in extreme heat or cold.
- If pre-filled beverage tanks are used, make sure they are kept chilled in a container with crushed ice or refrigerator (see at 33 degrees)
- During filling, continuously drain melted ice from cold plate cooler. Periodically punch ice down on cold plate surface (ice will occasionally bridge up and lose contact with plate)
- Chill beer kegs to 33 degrees prior to filling beverage tank. If an ice tub is used, adding rock salt will contribute to lower temperatures.
- If you are not selling three gallons of beverage product within one hour, you may want to fill the beverage tank halfway in order to reduce the amount of time the liquid spends in the backpacks.

3. THERE IS NOT ENOUGH PRESSURE TO DISPENSE ALL OF THE LIQUID IN THE TANK

- Was the mini-gas cylinder properly pressurized to 200 psi?
- Are all fittings (nuts and bolts) tightened?
- Is the latch and lid securely closed on the beverage tank?

4. THE DISPENSER HOSE/GUN LEAKS

- If leak comes from the base of dispenser gun: Dismantle gun and tighten fittings.
- If leak comes from black quick disconnect fitting: tighten fitting with a wrench.
- If leak comes from inside of the insulation, return hose to Rocket Man for service.



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I) Warranty:

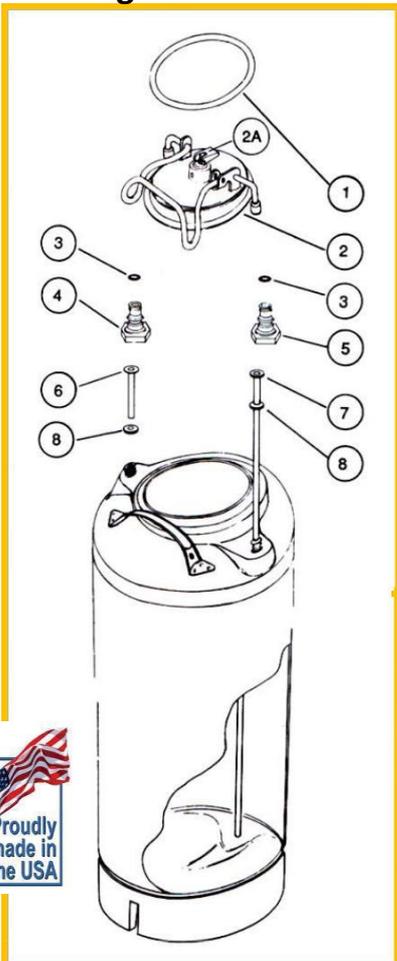
Full Three Year Warranty On All Components

- ❖ From the date of purchase.
- ❖ **Rocket Man Equipment Company** will repair or replace any component, free of charge, if defective in material or workmanship.
- ❖ Repairs necessitated by normal wear, accident, improper care or negligence, are not covered under this guarantee, and products returned under these conditions will be repaired or replaced for a reasonable charge.
- ❖ Warranty registration is not necessary to receive the privileges of the Warranty.

J) Spare Parts:

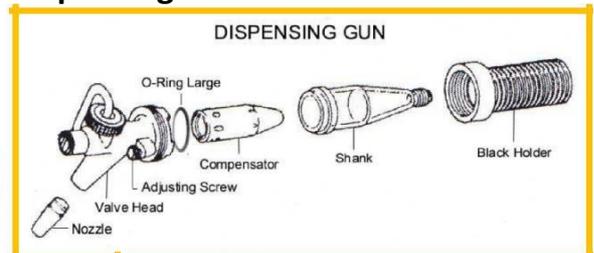
Whenever you need to order any component or know the price please tell us factory codes. Thank you.

Beverage Tank:



SPARE PARTS FOR 3 GALLON BEVERAGE TANK:		
Description	Item #	Diagram #
Complete Beverage Tank	1110	All
Black O-Ring	1110-02	1
Lid	1110-12	2
Purge Device	1110-13	2-a
Gasket for Plugs	1110-01	3
Inlet Plug Assembly	1110-06	4
Outlet Plug Assembly	1110-07	5
Metal Level Tube (L: 1-3/16")	1110-10	6
Dip Tube	1110-09	7
O Ring for Level and Dip Tubes	1110-08	8
Outlet Boss	1110-04	9
Inlet Boss	1110-05	10

Dispensing Gun:



Spare Parts For Dispensing Gun:	
Description	Item #
Complete Squeeze Valve	1201
Adjusting Screw	1201-13
Nozzle	1201-03
Compensator	1201-11
Shank (1/2 inch)	1201-16
Valve Head Assembly	1201-15
O-Ring (Large)	1201-17

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