

# CENTRAL PNEUMATIC®



## AIR OPERATED BARREL PUMP 12 GALLON PER MINUTE CAPACITY

**Model 93755**

### ASSEMBLY AND OPERATING INSTRUCTIONS



Diagrams within this manual may not be drawn proportionally.  
Due to continuing improvements, actual product may differ slightly from the product described herein.

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**Read this material before using this product.  
Failure to do so can result in serious injury.  
SAVE THIS MANUAL.**

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**For technical questions or replacement parts, please call 1-800-444-3353.**

## PRODUCT SPECIFICATIONS

ITEM	DESCRIPTION
Pump Capacity	Approx. 12 GPM (gallons per minute)
Bung Sizes	1-1/2" & 2" (both w/O-Rings)
Discharge Size	3/4" I.D.
Suction Tube Size	1-1/4" O.D.
Working Air Pressure	10 PSI
Air Inlet Size	1-4"-18 NPT w/Quick Disconnect
Air Valve Type	1/4" Ball Valve w/Swing Lever
Air Regulator	1/4" Mini (4 Port) w/Gauge Push/Twist/Lock Adjust 0~22 PSI / 0~0.15MPa
Safety Air Valve	1/4"-18 Brass w/Pull Ring
Net Weight	11.2 pounds


## SAVE THIS MANUAL

You will need this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures, parts list and assembly diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep this manual and invoice in a safe and dry place for future reference.

## UNPACKING

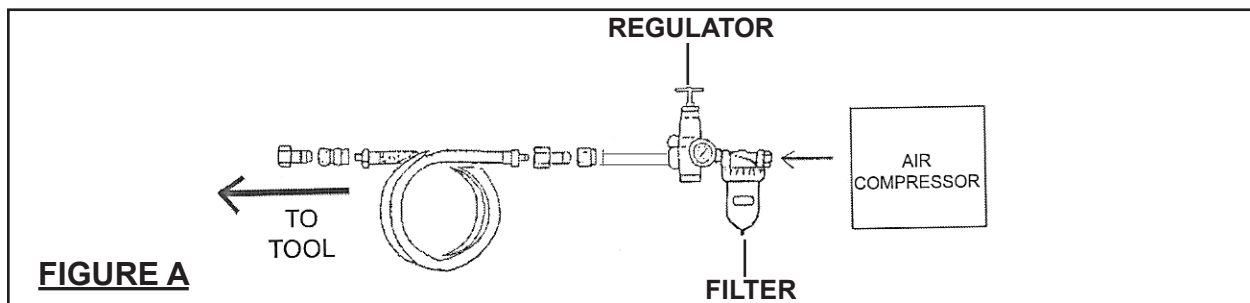
When unpacking, check to make sure that all the parts and accessories **listed on page 9** are included, and the product is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

## SAFETY WARNINGS AND PRECAUTIONS

-  **WARNING! Use eye and hearing protection.** Always wear ANSI-approved safety impact goggles and hearing protection during use. If necessary, wear nonskid safety shoes or boots. Other people in the work area must also wear appropriate safety equipment.
- Keep work area clean.** Cluttered areas invite accidents.
- Stay within air pressure capacity.** Never operate the Barrel Pump above **10 PSI**.

4. **This Barrel Pump is designed for use only with nonflammable, noncorrosive liquids. THIS PUMP IS ALSO NOT DESIGNED FOR FUEL TRANSFER.**
5. **Observe work area conditions.** Keep work area well lit. Do not use pneumatic tools in the presence of flammable gases or liquids.
6. **Keep children away.** Children must never be allowed in the work area. Do not let them handle machines, tools, extension cords, or air hoses.
7. **Store idle equipment.** When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
8. **Use the right tool for the job.** Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. There are certain applications for which this tool was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this tool, and do not use this tool for a purpose for which it was not intended.
9. **Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically nonconductive clothes and nonskid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
10. **Do not overreach.** Keep proper footing and balance at all times. Do not reach over or across running tools or air hoses.
11. **Disconnect air hose and release any built-up air pressure.** Never service the Barrel Pump or disassemble with the air hose attached. Always release any built-up air even after disconnecting hose. Disconnect the Barrel Pump when not in use.
12. **Remove adjusting wrenches.** Check that adjusting wrenches are removed from the tool and work surface before attaching to an air source.
13. **Stay alert.** Watch what you are doing. Use common sense. Do not operate any tool when you are tired.
14. **Check for damaged parts.** Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment and binding of moving parts, any broken parts, and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician.

15. **Replacement parts and accessories.** This product is to be repaired and serviced only by a qualified technician. When this product is serviced, only identical replacement parts should be used. Use of any other parts will void the warranty. Only use accessories intended for use with this tool. Approved accessories are available from Harbor Freight Tools.
16. **Do not operate tool if under the influence of alcohol or drugs.** Read warning labels if taking prescription medicine to determine if your judgement or reflexes are impaired while taking drugs. If there is any doubt, do not operate the tool.
17. **Maintenance.** The maintenance outlined in the “Maintenance” section should be performed regularly. For your safety, this product should be serviced or repaired regularly only by a qualified technician.
18. **Compressed air only.** Use clean, dry, regulated, compressed air at 10 PSI. Never use oxygen, carbon dioxide, combustible gases, or any other bottled gas as a power source for this tool.
19. **Avoid working alone.** If an accident happens, an assistant can bring help.
20. For best service, you should incorporate a regulator, and inline filter, as shown in the diagram below. Hoses, couplers, regulators, and filters are all available at Harbor Freight Tools. **(See Figure A.)**

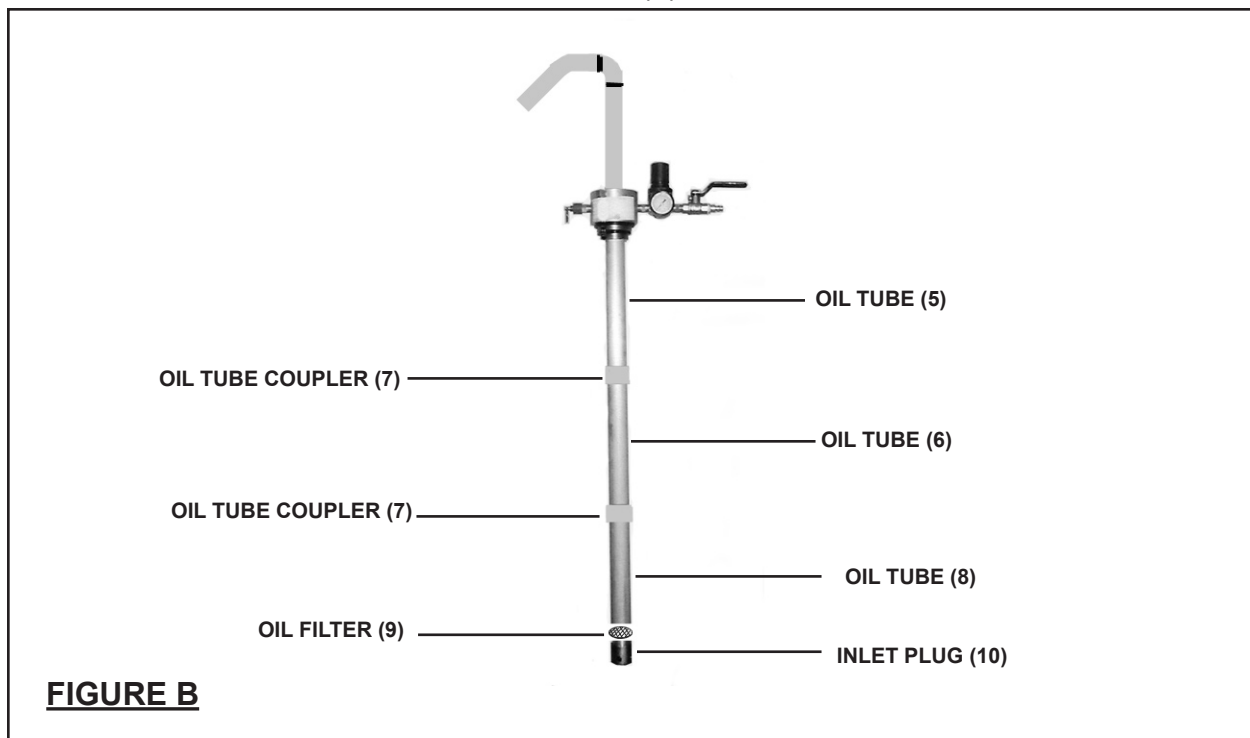


21. **⚠ WARNING!** The brass components in this product contain lead, which is a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. (California Health & Safety Code § 25249.5, *et seq.*)
22. **⚠ WARNING!** The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

**SAVE THESE INSTRUCTIONS**

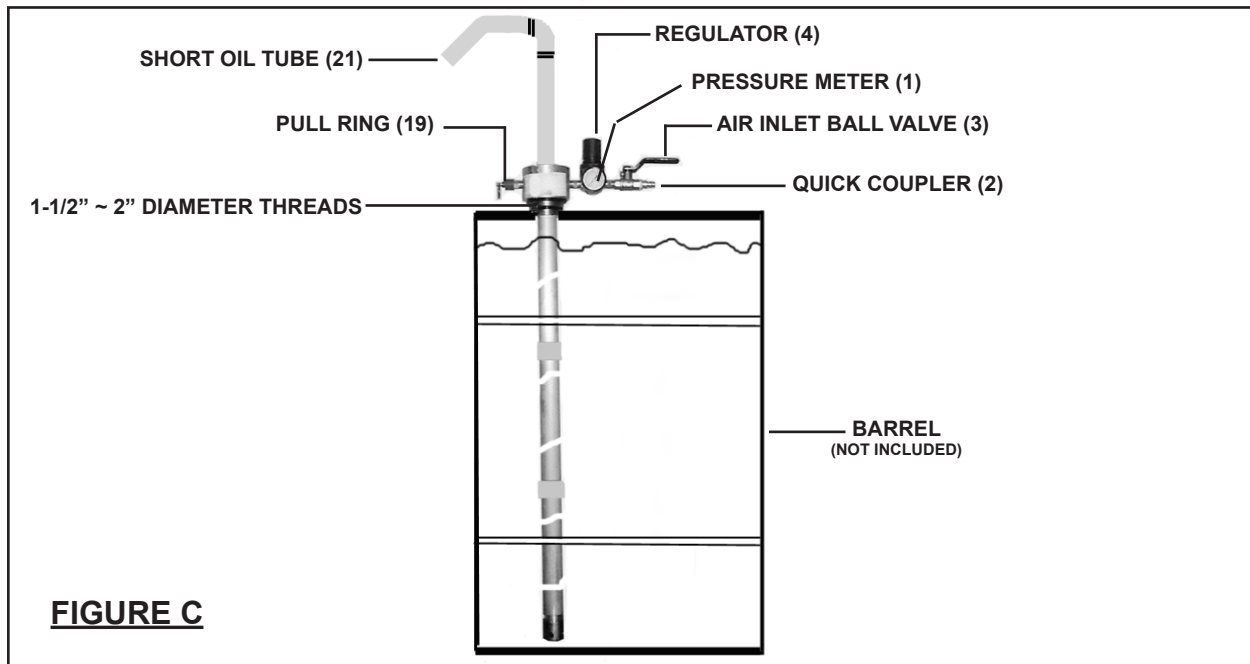
## ASSEMBLY INSTRUCTIONS

1. Wrap about 4" of pipe sealer tape (not included) around the male threads located on the lower section of the Oil Tube (5). Then firmly screw an Oil Tube Coupler (7) onto the Oil Tube. **(See Figure B.)**
2. Wrap about 4" of pipe sealer tape around the male threads located on both the upper and lower sections of the Oil Tube (6). Then firmly screw one end of the Oil Tube onto the Oil Tube Coupler (7).
3. Firmly screw the remaining Oil Tube Coupler (7) onto the lower section of the Oil Tube (6).
4. Wrap about 4" of pipe sealer tape around the male threads located on both the upper and lower sections of the remaining Oil Tube (8). Then firmly screw one end of the Oil Tube into the Oil Tube Coupler (7).
5. Insert the Oil Filter (9) into the Inlet Plug (10). Then, firmly screw the Inlet Plug onto the lower section of the Oil Tube (8).



6. Unscrew and remove the large bung from the barrel of liquid to be pumped.
7. Insert the lower section of the Barrel Pump through the bung of the barrel. Then firmly screw the Barrel Pump into the female threads of the bung.
8. To adjust the length of the tube in the barrel, grasp the regulator assembly and twist it up or down on the pipe.

**NOTE:** The male threads of the Barrel Pump are designed to fit a 1-1/2" or 2" diameter bung. (See Figure C.)





## OPERATING INSTRUCTIONS

1. Make sure the Air Inlet Ball Valve (3) is in its closed position. (See Figure C.)
2. Connect one end of an air hose to the Quick Coupler (2) on the Barrel Pump. (See Figure C.)
3. Connect the other end of the air hose to an air compressor. (See Figure A.)
4. Turn on the air compressor, and set its regulator to **10 PSI. Do not exceed 10 PSI.** (See Figure C.)
5. Set the Regulator (4) on the Barrel Pump to **10 PSI.** (See Figure C.)
6. Turn the Air Inlet Ball Valve (3) to its open position to pump the liquid from the Short Oil Tube (21) of the Barrel Pump into a proper container. (See Figure C.)
7. **NOTE:** The rate of flow of the liquid being pumped depends on its *fluid viscosity*. To adjust the Regulator's (4) PSI and therefore alter the rate of flow of the liquid, lift up and twist the Knob on the Regulator. Then, push in on the Knob. To **increase** air pressure, turn the Knob **clockwise**. To **decrease** the air pressure, turn the Knob **counterclockwise**. Do not exceed 10 PSI. (See Figure C.)

8. To stop the flow of liquid being pumped from the barrel, turn the Air Inlet Ball Valve (3) to its closed position. **(See Figure C.)**
9. When finished using the Barrel Pump, make sure the Air Inlet Ball Valve (3) is in its closed position. Turn off the air compressor. Hold a proper container under the Short Oil Tube (21) and open the Air Inlet Ball Valve again to release any compressed air in the Barrel Pump. Turn the Regulator (4) to its lowest setting. Turn the Air Inlet Ball Valve to its closed position. Then, disconnect the air hose from the Barrel Pump.
10. If necessary, unscrew and remove the Barrel Pump from the barrel. Replace the bung on the barrel. Wipe the Barrel Pump dry. Then, store the Pump in a clean, dry, safe location out of reach of children. **(See Figure C.)**

## INSPECTION, MAINTENANCE, AND CLEANING

1.  **WARNING!** Prior to performing any inspection, maintenance, or cleaning of the Barrel Pump, make sure to disconnect the air hose from the tool. Then, open the Air Inlet Ball Valve (3) again to release any compressed air in the Barrel Pump.
2. **Before each use**, check the Barrel Pump for loose connections, damaged parts, and any other condition that will affect the safe and proper operation of the tool. If there is a problem with the Pump, immediately discontinue its use and have the tool repaired before further use.
3. **To clean the exterior of the Barrel Pump**, wipe with a clean, damp cloth using a mild detergent or mild solvent. Do not immerse the tool in liquids.
4. **To clean the interior of the Barrel Pump**, immerse the lower section of the Pump into a container filled with a mild detergent or mild solvent. Connect the Barrel Pump to an air compressor and pump the detergent or solvent through the Pump and into a proper waste container until the detergent or solvent being pumped is itself clean. When finished, disconnect the air compressor, releasing all remaining pressure from the Pump. Remove the Pump from the container of detergent/solvent. Then, thoroughly dry the Pump.
5. **Always dispose of oil and other liquids according to local waste authority guidelines.**
6. **When storing**, always store the Barrel Pump in a clean, dry, safe location out of reach of children.
7.  **CAUTION!** All maintenance, service, and repairs not mentioned in this manual must only be performed by a qualified service technician.

## TROUBLESHOOTING

Problem	Possible Solution
Barrel Pump is not pumping properly or not pumping at all.	<ol style="list-style-type: none"> <li>1. Make sure the Barrel Pump is firmly screwed into the barrel.</li> <li>2. Make sure the Air Inlet Valve of the Barrel Pump is open.</li> <li>3. Make sure the air hose connections are secure.</li> <li>4. Make sure the air compressor is set at 8.5 PSI.</li> <li>5. Make sure the Air Regulator of the Barrel Pump is adjusted to compensate for the viscosity of the liquid being pumped.</li> <li>6. Remove the Barrel Pump from the barrel, and check the Pump for blockages in its system.</li> <li>7. Have a qualified service technician check the Barrel Pump for damage.</li> </ol>

### PLEASE READ THE FOLLOWING CAREFULLY

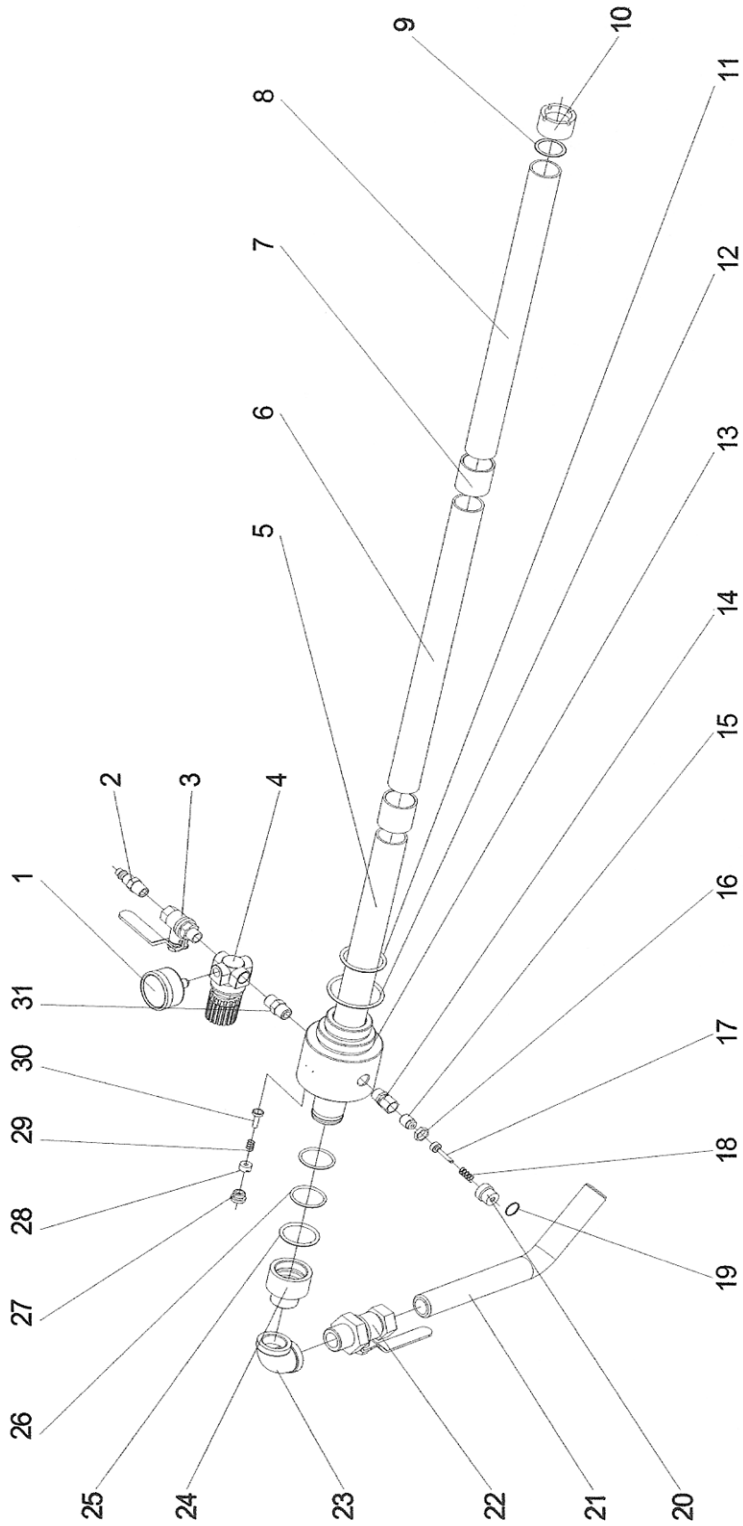
THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISKS AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

### PARTS LIST

Part #	Description	Qty	Part #	Description	Qty
1	Pressure Meter	1	17	Valve Core	1
2	Quick Coupler	1	18	Spring	1
3	Air Inlet Ball Valve	1	19	Pull Ring	1
4	Regulator	1	20	Valve Cover	1
5	Oil Tube (3)	1	21	Short Oil Tube	1
6	Oil Tube (2)	1	22	Outlet Ball Valve	1
7	Oil Tube Coupler	2	23	Bend Head	1
8	Oil Tube (1)	1	24	Swivel Coupler	1
9	Oil Filter	1	25	O-Ring	1
10	Inlet Plug	1	26	O-Ring	2
11	O-Ring	1	27	Screw Cap	1
12	O-Ring	1	28	Lock Nut	1
13	Housing	1	29	Spring	1
14	Valve Body	1	30	Valve Core	1
15	Control Bolt	1	31	Coupler	1
16	Lock Nut	1			



# ASSEMBLY DIAGRAM



**NOTE:**

Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.