

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.

Action PVC Barrel Pumps

Description

Action hand-operated PVC barrel pumps Models 505 and 506 come with a 22" polyethylene extension tube to reach the bottom of 55 gallon barrels. Models 504 and 507 PVC barrel pumps have full 39" long PVC bodies to reach the bottom of 55 gallon barrels. They are used for pumping chlorine-based chemicals, oils, ammonium, soda ash, most acids, detergents and rinse additives. The bung adapter fits standard 2" threaded openings in 15, 30 and 55 gallon barrels and drums.

Specifications

	505	506	504	507
Flow rate	.8 oz./stroke	.8 oz.	.22 oz/stroke.	.22 oz./stroke
Mounting	See Bung Adapter	See Bung Adapter	See Bung Adapter	See Bung Adapter
Inlet	1/2" OD	1/2" OD	1/2" OD	1/2" OD
Outlet	3/4" OD	5/8" OD (21" Long)	3/4" OD	5/8" OD (36" Long)
Bung Adapter	.2" Bung PVC	.2" Bung PVC	.2" Bung PVC	.2" Bung PVC
Suction Tube				
(Length & Material)	.22" Polyethylene	.22" Polyethylene	.39" PVC	.39" PVC
Packing Gland	PVC	PVC	PVC	PVC
Wetted Parts	PVC & PE	PVC & PE	PVC	PVC
SSU	SAE 40W Oil @ 70°F approx. 4,000 SSU	SAE 40W Oil @ 70°F approx. 4,000 SSU	SAE 40W Oil @ 70°F approx. 4,000 SSU	SAE 40W Oil @ 70°F approx. 4,000 SSU
Max. Temp.	120°F	120°F	120°	120°

General Safety Information

⚠ WARNING *It is the responsibility of the user to operate the pump in conformance with OSHA rules for dispensing liquids. Pump containers should be grounded when using with flammable liquids to avoid static electricity. Pump should be washed out before usage since since processing lubricants could contaminate the fluids.*

1. When using a hand pump (especially when pumping flammable, combustible or hazardous liquids) follow all electrical and safety codes, as well as the United States Occupational Safety and Health Act

(OSHA), most recent National Electrical Code (NEC), National Fire Protection, Inc. * (NFPA) Code 30 (Flammable and Combustible Code), NFPA 56A (Standard for use of Inhalation Anesthetics), NFPA 77 (Static Electricity), NFPA 78 (Lightning Protection Code), NFPA 80 (Standard for Fire Doors and Windows), NFPA 251 (Standard Method of fire Test of Building Construction), NFPA 704 (Identification of the Fire Hazards of Materials), other NFPA codes, local codes and ordinances, as needed in a particular application

2. Know the pump application, limitations, and potential hazards.

The "WARNING" statements indicate potential hazardous conditions for the operator or equipment. TAKE NECESSARY STEPS TO PROTECT PERSONNEL AND EQUIPMENT.

NOTE: Pump should only be used with liquids compatible with pump component materials. Consult PUMP CHEMICAL COMPATIBILITY CHART and PUMP SPECIFICATIONS. Also, the chemical supplier should be consulted regarding any questions of chemical compatibility, proper and safe use and handling of chemical. Misapplication of pump or use of non-compatible liquids will void warranty.

Action PVC Barrel Pumps

General Safety Information (Continued)

▲ WARNING *In order to properly use this product, familiarize yourself with this pump and also with the liquid (Chemical, etc.) that is going to be pumped through the unit. Although this pump is suitable for many liquids, it is NOT suitable for all liquids!*

(*) Any of the NFPA Codes can be obtained from : National Fire Protection Association, Inc., Batterymarch Park, Quincy, MA 0269, telephone 1-800-344-3555. Write or call for listing and prices.

3. Pumping hazardous, flammable, or combustible liquids should only be done in buildings, rooms, or areas suited for this purpose. (See NFPA 30, NFPA 78, NFPA 80, NFPA 251, NFPA 704, other suitable NFPA codes, OSHA, insurance companies, local codes and ordinances.)

▲ WARNING *When filling cans, drums, etc. with combustible liquids, both container pumping from and container pumping to, should be bonded and grounded to dissipate possible accumulations of static electricity, and minimize sparks caused by static electricity (Refer to NFPA 77 for specifics and further details).*

Removal of outer garments in work areas where there may be flammable or explosive liquids, which are ignitable with low electrical energy, can be fatal and/or cause property damage (Refer to NFPA 56A, and NFPA 77, for further details)

4. The "WARNING" and instructions for gasoline below pertain not only to gasoline, but to any flammable, combustible or hazardous fluid.

▲ WARNING *Gasoline is a highly flammable fuel. The improper use, handling or storage of gasoline can be dangerous. Prevent accidents by following these safety rules:*

- a. Use gasoline only as a fuel, never as a cleaning fluid.
 - b. Use only an approved container to hold or store gasoline. Never store gasoline in familiar containers such as milk containers or soda pop bottles.
 - c. Store gasoline in a cool location, out of the reach of children. Never store gasoline near heat or an open flame.
 - d. Provide a fire extinguisher nearby when working with gasoline. Be sure extinguisher is in operating condition — check the pressure gauge or indicator. Be familiar with its proper use. Consult local fire department for the correct type of extinguisher for your application. Extinguishers rated ABC by the National Fire Protection Association are appropriate for most applications.
 - e. Provide positive shut-off valves on all permanent fuel supplies. Fuel lines must be of steel piping, adequately secured, and free from leaks.
 - f. Provide adequate ventilation, and clean up any spills when handling or pumping flammable liquids.
 - g. POSITIVELY NO SMOKING!
5. Do not use torches or apply fire or flame to this pump for any reason.
6. Secure the discharge line before starting the pump. An unsecured discharge line will slip, possibly causing personal injury and/or property damage.

7. Do not over tighten nonmetallic threaded fittings. One full turn past hand tight is usually enough to prevent leakage. Teflon sealant tape should be used on all threaded joints, including the spout.
8. Check hoses for weak or worn condition before each use, making certain that all connections are secure.
9. Periodically inspect pump and system components. Perform routine maintenance as required.
10. Drain all liquids from the system before servicing.

▲ WARNING *Any pump used to transfer flammable liquids must be stored in a well ventilated area after use.*

11. Personal Safety

- a. Wear safety glasses at all times when working with pump.
- b. Wear a face shield, proper apparel and suitable respiratory equipment, when pumping hazardous chemicals.
- c. Keep work area clean, uncluttered, and properly lighted, replace all unused tools and equipment.
- d. Keep visitors at a safe distance from the work area.
- e. Make workshop childproof, with padlocks, master switches, and by removing starter keys.

▲ WARNING *Failure to follow all general safety information can result in a fatality, personal injury and/or property damage!*

Models 504, 505, 506 and 507

Installation

⚠ WARNING *In order to properly use this product, familiarize yourself with this pump and also with the liquid (Chemical, etc.) that is going to be pumped through the unit. Although this pump is suitable for many liquids it is not suitable for all liquids!*

1. Remove bung adapter and install on pump body with threaded end down.
2. Insert pump assembly into 2" opening of 55 gallon drum and screw adapter clockwise into drum.

3. Adjust pump to desired height and tighten thumb screw in adapter by hand. DO NOT USE WRENCH OR TOOL TO TIGHTEN THUMB SCREW.

Operation

1. The pump is now ready for operation. Liquids should begin flowing on second or third upstroke.
2. If pump is removed from drum, rinse thoroughly in liquid that is compatible with both the pump and fluid. For questions about chemical compatibility, contact your chemical supplier.

Maintenance

Normal maintenance is not required.

NOTE: No replacement parts available.

90-Day Limited Warranty

