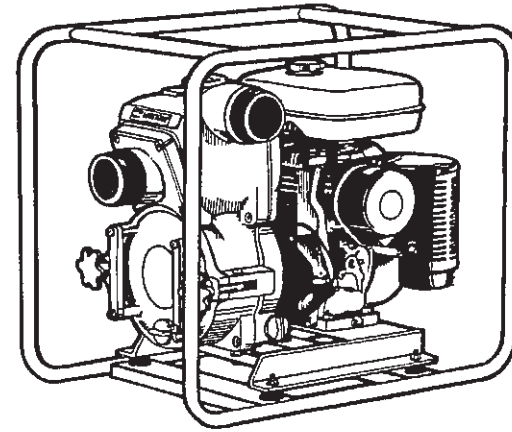


PUMP SAFETY

5. 12-VOLT ELECTRICAL SYSTEM
 - a. Connect negative battery lead to ground to prevent damage to charging system.
 - b. To prevent arcing, when removing battery, disconnect negative lead first. When replacing battery, connect negative lead last.
 - c. Do not spill battery acid. If spilled, rinse off immediately with water.
6. DIESEL
 - a. Follow engine manufacturer instructions explicitly on hand cranking.

D. CENTRIFUGAL/TRASH PUMPS

1. OVERHEATING - DO NOT RUN THE PUMP FOR OVER TEN MINUTES WITHOUT WATER FLOWING THROUGH IT!
Overheating pumps can cause severe burns and injury. If overheating of pump casing occurs:
 - a. Stop the pump immediately.
 - b. Allow the pump to cool completely.
 - c. Slowly and cautiously vent the pump.



**PLEASE TAKE THE TIME TO
READ THIS PAMPHLET
BEFORE OPERATING PUMP.**

NOTE: If these symbols have become obliterated, contact factory for replacement decals.

CAUTION			DCS-01
	ALLOW ENGINE TO COOL FOR 2 MINUTES BEFORE REFUELING		DO NOT RUN ENGINE IN ENCLOSED AREA — GASES CONTAIN AN ODORLESS AND DEADLY POISON
	WARNING NO SMOKING WHILE REFUELING!		
WARNING! ALWAYS READ INSTRUCTION MANUAL FIRST BEFORE OPERATING EQUIPMENT.			

CAUTION
THIS PUMP DESIGNED FOR PUMPING NON-HAZARDOUS LIQUIDS ONLY
DCS-02



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PUMP SAFETY PRECAUTIONS

A. GENERAL

1. USE COMMON SENSE! Most accidents can be avoided by using common sense and concentrating on the job to be done.
2. Do not wear loose clothing that can become entangled in operating machinery.
3. Do not operate pump without guards in place. (If OSHA guards are misplaced or damaged, contact factory for replacements.)
4. Do not pump hazardous material (flammable, caustic, etc.)
5. Only qualified personnel should install and operate pump.
6. Secure the pump after it is in its operating position so it does not tip over, roll, slide, or fall.

7. Read the maintenance and operating instruction manual supplied with the pump.
8. Keep hands and feet clear of moving parts. **DO NOT** stick hands or fingers in pump when operating.
9. Do not close down or restrict discharge hose. Be careful of discharge hose whipping under pressure.
10. **PUMP TOWED BEHIND VEHICLE**
 - a. Make sure hitch is properly attached.
 - b. Always attach safety chains.
 - c. Check tires for proper inflation and road worthiness
 - d. If towing on the highway, make sure the trailer meets Department of Transportation requirements.
11. Make sure lifting device's fasteners are tight eachtime before lifting.

B. ELECTRIC MOTOR POWERED PUMPS

1. **GROUND FAULT CIRCUIT INTERRUPTER**
Never operate a pump with a plug-in type power cord without a ground fault circuit interrupter.
2. **WET HANDS**
Never handle energized power cords with wet hands.
3. **WATER**
Never let extension cords or the plug connection lay in water. Locate the pump such that it cannot fall into the water (except when using the Submersible pumps.)
4. **EQUIPMENT**
Never use cords with frayed or cut or brittle insulation. Check the cord on the pump for nicks in the insulation and for sound connections to the ground fault interrupter plug and motor.
5. **QUALIFIED ELECTRICIAN**
Any wiring to be done on pumps should be done by a qualified electrician.
6. **LIFTING THE PUMP**
Never use the cord to aid in lifting the pump.
7. **PUMP MAINTENANCE AND REPAIR**
 - a. Be sure the pump is disconnected from the power or the appropriate circuits are dead and locked out before doing any maintenance or repair work on the pump.
8. **MOTOR OVERLOAD**
Do not exceed the manufacturer's recommendation for maximum lift or discharge head, as this could cause the motor to overheat. Use appropriate circuit breaker for fuse.

9. **EXPLOSIVE ATMOSPHERE**
Unless the pump has been designed for it, never use it in any kind of possible explosive atmosphere.
10. **SIZING EXTENSION CORDS**
Use the following chart to select the correct size extension cord to prevent excessive amperage draw or voltage drop which could cause the motor to overheat:

Amps	Wire Gauge and Cord Length		
	50 ft.	100 ft.	150 ft.
6	16	16	14
8	16	14	12
10	16	14	12
12	14	14	12
14	14	12	10
16	12	12	10

C. GAS/DIESEL ENGINE POWERED PUMPS

1. **EXHAUST GASES**
 - a. Never operate in an enclosed building or area where exhaust gases can accumulate.
 - b. Do not breathe exhaust fumes when working in the area of the engine. (Exhaust gases are odorless and deadly poison.)
 - c. Never operate near a building where exhaust gases can seep inside, for example; through an open window or a door.
 - d. Never operate in a pit or sump without making provisions to suck the exhaust gases out.
2. **EXHAUST SYSTEM**
 - a. Keep exhaust system components tight and in good working condition.
 - b. Exhaust system parts get very hot and stay hot for some time after shutting the engine off — do not touch.
3. **FUEL**
 - a. Never add fuel to the tank while the engine is running. Stop engine and allow it cool. Avoid spilling fuel!
 - b. Make sure fuel lines and fittings are tight and in good condition.
 - c. Do not smoke while refueling the engine.
 - d. Do not refuel near open flame; wipe up all spilled fuel.
 - e. Store gasoline in approved container and location.
4. **MAINTENANCE AND REPAIR**
 - a. Disconnect spark plug wire while performing maintenance or repair on the pump or engine.
 - b. Always replace safety devices removed during service or repair before operating.

(Continued)