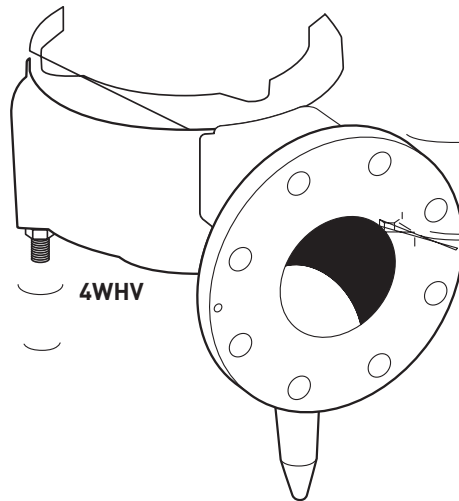
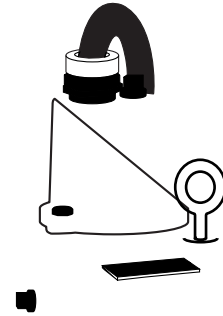
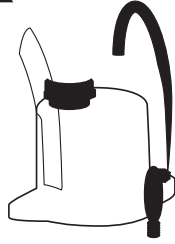




MYERS®



3WHV



MODELS 3WHV, V3WHV, 3WHR,  
4WHV, V4WHV and 4WHR



NOTE! To the installer: Please make sure you provide this manual to the owner of the equipment or to the responsible party who maintains the system.



**WARNING:** On three phase pumps only qualified persons shall conduct services and installation of this pump. The pump must be wired by a qualified electrician, using an approved starter box and switching device.

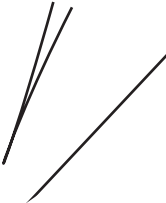
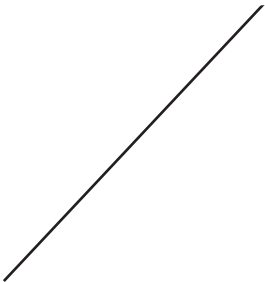
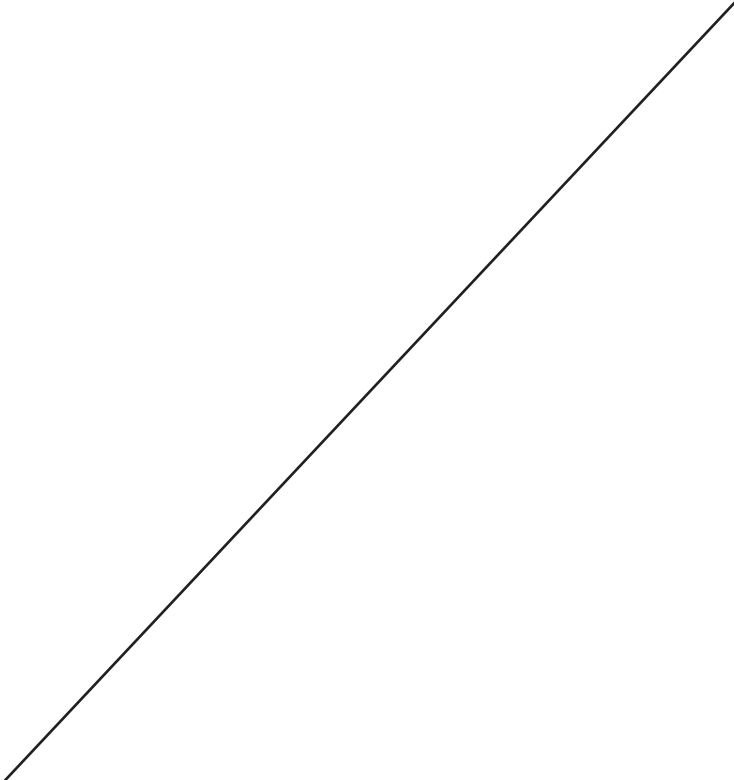
**CAUTION:** Never pull pump or work on control box until incoming power is disconnected. Never run motor until green ground conductor is connected to a good outside ground. Never pull electrical cable to lift pump.

If the control panel is not located near the pump, consult wire gauge table for permissible wire gauge to run between the control panel and the junction box at the wet well.

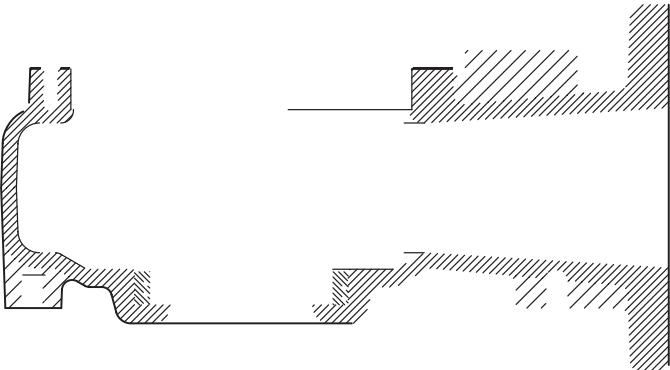
**CALIFORNIA PROPOSITION 65 WARNING:**

### REGAL MOTOR END PARTS LIST

Item	Description	Qty.	Eng. No.
1	35' CORD ASSEMBLY 14-4	1	22569B421
	35' CORD ASSEMBLY 10-4	1	22569B402
	35' CORD ASSEMBLY 8-4 SOOW	1	22569B451
	35' CORD ASSEMBLY 8-4 W	1	22569B461







# 3WHV / V3WHV / 3WHR WIRING DIAGRAMS

RED  
GREEN  
BLK.

25



## 4WHV / V4WHV / 4WHR WIRING DIAGRAMS



w

## REMOVING PUMP CASE AND IMPELLER

In case of wear, damage due to dropping, plugged pump, or replacing a defective motor, the pump volute case and impeller can be removed in the field.

1. Remove bolts between seal housing flange and volute case. The motor and impeller can now be lifted off as a unit.
2. If necessary to remove impeller, lay pump on its side. With a screwdriver bend the tabs of the lockwasher away from the hex head bolt.
3. Loosen and remove the bolt by turning counter-clockwise. Since Loctite® is used to secure the bolt and is applied to 2o secur sb1r and impeller can now be removed.

CAP SCREW	TORQUE VALUE
5/8-11	20 ft.-lbs.
1/2-13	43 ft.-lbs.
5/8-11	93 ft.-lbs.
3/4-10	128 ft.-lbs.

## TROUBLE CHECK LIST (C ' )

CONDITION	PROBABLE CAUSE
Overload trips at control box and alarm buzzer or flashing red light comes on due to high water level in basin.	<ol style="list-style-type: none"> <li>1. Push red reset button to reset overload. If overload trips again after short run, pump has some damage and must be removed from basin for checking.</li> <li>2. Trouble may be from clogged impeller causing motor to overload or could be from failed motor.</li> <li>3. Trouble may be from faulty component in control box. Always check control box before removing pump.</li> </ol>
Yellow run light stays on continuously.	<ol style="list-style-type: none"> <li>1. Indicates H-O-A switch may be in the Hand position.</li> <li>2. Level control switch may have failed causing pump to continue to operate when water is below lower control.</li> <li>3. Impeller may be partially clogged causing pump to operate at much reduced capacity.</li> <li>4. Gate valve or check valve may be clogged causing low pump flow.</li> <li>5. Pump may be air logged. Lift arm on check valve to vent off air. Also, check that the 5/32" vent hole in volute is open.</li> </ol>
Circuit breaker trips.	<ol style="list-style-type: none"> <li>1. Reset breaker by pushing clear down on handle then back to On position. If breaker trips again in few seconds, it indicates excessive load probably caused by a short in the motor or control box. Check out instructions given with control box before pulling pump.</li> <li>2. If this condition happens after an electrical storm, motor or control box may be damaged by lightning.</li> <li>3. Resistance reading of the motor with lead wires disconnected from the control box can determine if trouble is in motor or control box.</li> </ol>
Pump is noisy and pump rate is low.	<ol style="list-style-type: none"> <li>1. Impeller may be partially clogged with some foreign objects causing noise and overload on the motor.</li> <li>2. Impeller may be rubbing on wear ring due to bent shaft or misalignment.</li> <li>3. Pump may be operating too close to shut-off. Check head.</li> </ol>
Grease and solids have accumulated around pump and will not pump out of basin.	<ol style="list-style-type: none"> <li>1. Lower control which may be set too high.</li> <li>2. Run pump on manual operation for several minutes with small amount of water running into basin to clean out solids and grease. This allows pump to break suction and surge, breaking up the solids. If level switch is set properly, this condition generally will not occur.</li> <li>3. Trash and grease may have accumulated around floats causing pump to operate erratically.</li> </ol>

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490 PINEBUSH ROAD, UNIT #4