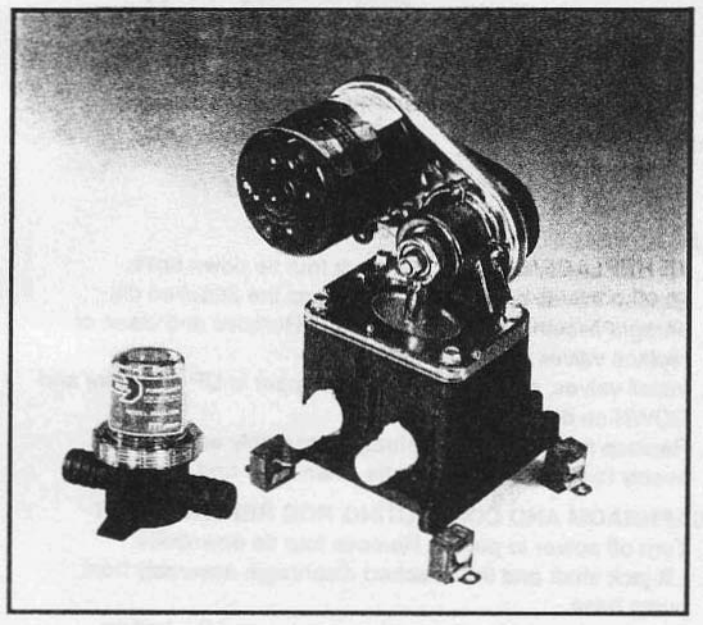
Model 36251·2 SERIES



ELECTRIC SHOWER DRAIN PUMP

FEATURES

- Self-Priming
- Diaphragm Design Allows Dry Running
- Quiet Operation
- Built-in Hydraulic Pulsation Dampener
- Permanently Lubricated Ball Bearings on Shaft and Connecting Rod
- Corrosion Resistant Materials Throughout for Fresh or Salt Water Service
- Meets USCG Electrical Standards

Model 36251-2 SERIES

SPECIFICATIONS

	U.S. GPM	Liters/Min.	Imp. GPM
Open Flow:	2.0	7,5	1.7

Vert. Dry Suction Lin: 5 Feet (1 ,5M)
Ports: 3/4- Slip-on Hose
Weight: Blbs (3,6 kgs)

STANDARD MODELS

Model	Voltage	Amperage (Nominal)
3625t-2000	12 VDC	5
36251·2010	24 VDC	3
36251·2020	32 VDC	2

INSTALLATION

MOUNTING

Mount upright in a *dry* location (above highest bilge waler level) on a solid surface. Selection or a dry, cool, ventilated location ' generally extend pump life.

LUMBING

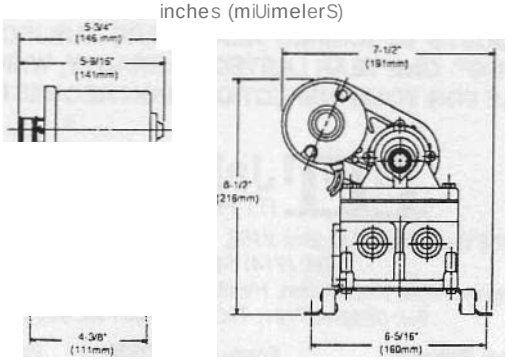
For intake and discharge use *3/4"* 10 non·co)lapsible hose. Keep intake and discharge line Iree of kinks and restrictions. [nstall the pumpgard supplied (PAR Model 36200-0000) in the intake line from the sump to protect pump from debris. Use a 3/4" thru·hull filting lor discharge.

WIRING

Wire pump in a circuit independent of all other electrical fixtures. Use stranded copper wire. Install fuse in positive leads. See table for recommended wire and fuse size. See diagram for wiring instructions. Use a 10 amp-rated switch (PAR 44960· Series). After installation, it is recommended that voltage be checked at the motor terminals with molar operating under full load and aUother appliances in the circuit operating. Voltage should not be less than 90% of rated motor voltage.

DIMENSIONAL DRAWING

inches (miUimelerS)



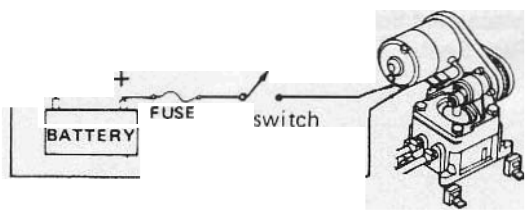
MAINTENANCE

WINTER STORAGE: When possible it is preferred that Ihe complete pump be removed and stored in a warm dry place. If this is not possible the pump must be completely drained, hoses removed and pump run until all water is expelled.

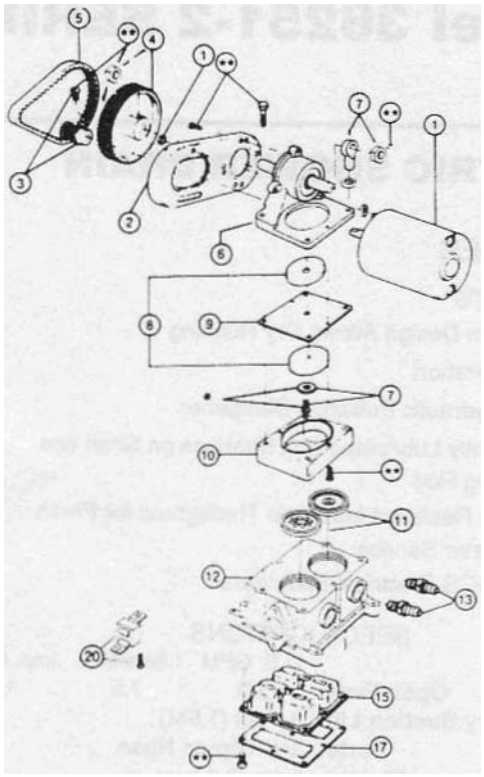
WIRING AND FUSE SIZE

Wire length Between Battery and Molor	Model 36251-2000 12 Volt	Model 36251·2010 24 Volt	Model 36251·2020 32 Volt
1·25 feet	12AWG	14 AWG	16AWG
25·50 feet	12 AWG	14 AWG	14AWG
Fuse Size: Slow Blow	5 AMP	3AMP	2AMP
Standard	7 AMP	4 AMP	3 AMP

WIRING DIAGRAM



EXPLODED VIEW



•• Indicates items included in Hardware Kit (Key 21).

PART LIST

36251-5erle8

K',	Put Description	Part Number	Qty
'	Motor Kit 12 Vdc.. ,	30209-0000 .	
'	Motor Kit 24 Vdc, ,	,30200·0010	
'	Motor Kit 32 Vdc. .	30200-0020	
'	Motor Moun!	34628·0000 .	1
3	Small Pulley . .	37169-0000 .	1
4	Large Pulley , . , , , . , 371	71-0001 . . ,	1
'	Belt . •. . . . . •.	30022-0000' .	1
6	Jack Shah Assembly	35689-0001 .	1
7	Connecting Rod Kit	37173·0001 . .	,
8	Diaphragm Plate	35503-0000	2
9	Diaphragm •• . . •. •• .	. . . 30015-0000' .	1
10	Retainer	35173-0000	1
11	Valve Sel (Inlet & Oullel) .	. 30004-0000'	, Set
1	Base Assembly† . . . • " •• .	.441'4·1000	1
13	Ports (Inlet & Outlet) Barb	.37175-0000† . .	1 Set
1	Pulsation Dampener , ...	44 127·1000	1
17	Bottom Plate	35686-0000† .	1
20	Vibration Pad Kit	43990-0058† .	t Set
II	Hardware Kit	.43990-0071	t Set
	Service Kit '	43990-0061	

• Indicates Parts Contained in Service Ki.
t Indicates Parts Supplied with Base Assembly.

Pumpgard	36200-0000
Replacement Screen	36139-0000
O-Ring Seal.	36403-0000

SERVICE

TROUBIESHOOnNG

Problems	Causes
Loss of sUClion 10 pump	- Air leak in suction line or pumpgatd. - No waler in sump. - Inlake hose kinked or plugged. - Fouled intake or discharge valvo. - Ruptured diaphragm
Rough or noisy operation.	- Inlake or discharge hose kinked or plugged. Pumpgard dogged. - Pump not mounted firmly. - Loosened eccentric screw. - Ruptured or collapsed pulsation dampener.
Pump fails to start.	- No vottage to pump. - Blown fuse. - Clogged outlet 6ne.

VALVE REPLACEMENT

1. Turn 011 power to pump. Remove four tie down botts.
2. Expose valves by lifting jack shalt and the anached diaphragm assembly from pump base. Remove and clean or replace valves.
3. Install valves, making sure rubber flapper is UP on intake and DOWN on discharge.
4. Replace motor·mount-diaphragm assembly and fasten evenly to base with the four tie down bolts and washers.

DIAPHRAGM AND CONNECnNG ROD REPLACEMENT

1. Turn off power 10 pump. Remove four tie downbolts.
2. Lift jack shaft and the attached diaphragm assembly from pump base.
3. Remove lwo diaphragm retainer screws and the bonom diaphragm relainer.
4. Remove lock nul. Remove connecting rod and diaphragm from the top 0 diaphragm retainer, Ihen unscrew boll to separale diaphragm plales.
5. Check diaphragm 'or cuts and cracks. Check rod assembly bearing for excessive wear. Replace if badly worn.
6. Loosely reassemble diaphragm, diaphragm plales, connecting rod spacer and diaphragm bolt onlo connecting rod. Firmly secure connecting rod 10 jack shalt with the lock nul. Secure diaphragm to upper diaphragm relainer with the bottom diaphragm retainer and two screws.
7. Tighten connecting rod bolt.
8. Replace motor-mount-diaphragm assembly and fasten evenly to base with the four tie down bolts and washers.

PULSATION DAMPENER REPLACEMENT

1. Disconnect power leads from pump and remove from mount.
2. Remove nine bottom plate screws and the bottom plate. Pull out and replace pulsation dampener.
3. Replace bottom plate and screws. Tighten evenly to ensure an air and water seal.
4. Reinstall pump and reconnect power leads.

THE PRODUCTS DESCRIBED HEREIN ARE SUBJECT TO THE JABSCO® ONE YEAR LIMITED WARRANTY, WHICH IS AVAILABLE FOR YOUR INSPECTION UPON REQUEST.

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 Form: 43000-0535 Rev.

For technical advice or service please take your pump into your local pump service center.
To order pump or parts or for pricing please go to the following links :

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