

S6161-DP-FSE-010

REVISION 1

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0910-LP-028-4530

# TECHNICAL MANUAL

FOR

SCRUBBER, POWER, AVANTI POT GOBBER,  
MODEL PG-100-TSC;  
DESCRIPTION, OPERATION AND MAINTENANCE

“Distribution Statement “A”: Approved for public  
release; distribution is unlimited.”

DEPARTMENT OF THE NAVY  
NAVAL SEA SYSTEMS COMMAND

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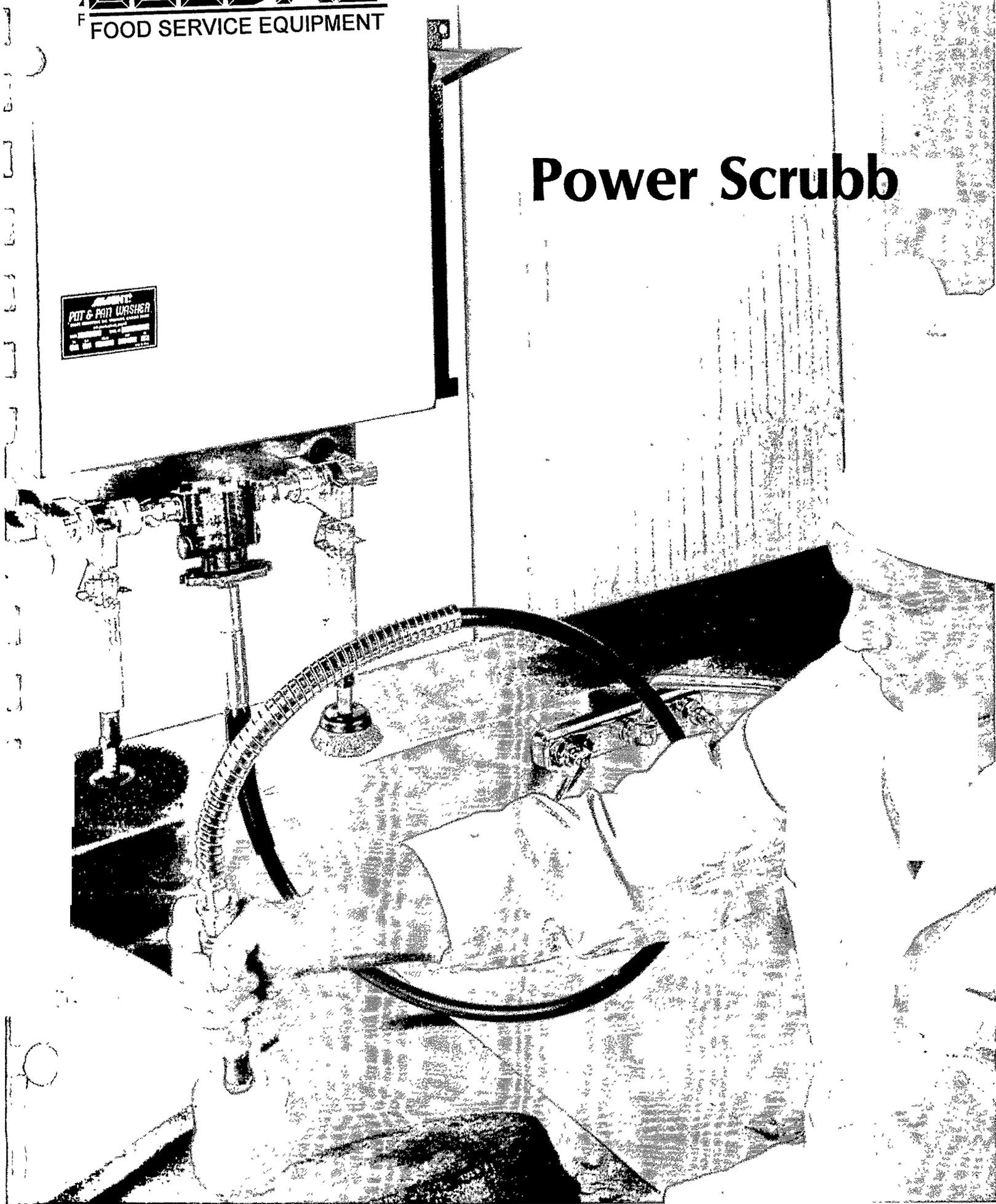
Date: September 10, 2002

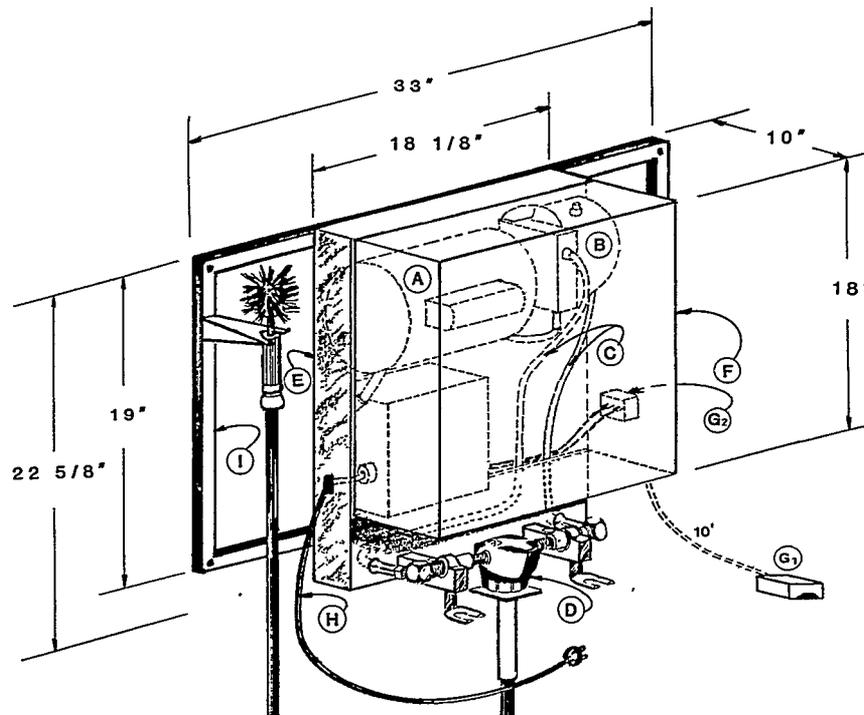
Leedal, Inc.  
4025 S. Western Blvd.  
Chicago, IL 60609  
CAGE No. 91313

**LEEDAL<sup>®</sup>**  
FOOD SERVICE EQUIPMENT

# Power Scrubb

**POWER SCRUBB**  
PAT & PAT WASHER





## Specifications

- |  |   |
|--|---|
| A. Electric Motor                                  |   |
| B. Hydraulic Pump                                  | 1 GPM at 500 PSI produced by self contained submerged gear face pump with integral piping and built-in pressure relief.   |
| C. Hydraulic Hoses                                 | $\frac{3}{8}$ " Dia. nylon web 2000 PSI working pressure 4000 PSI bursting pressure.  |
| D. Hydraulic Motor                                 | 600 to 800 RPM at 1 GPM & 500 PSI $\frac{1}{2}$ " gear face $\frac{1}{2}$ " Dia. shaft with Teflon seals and ball bearings — motor is trunnion mounted and insulated electrically from the base by Neoprene insulators. |
| E. Base  | Type 304 Stainless Steel base.  |
| F. Cover   | Type 304 Stainless Steel cover.   |
| G1. Electrical Controls<br>(Foot Pedal Version)    | 24 Volt NEMA 4 gasketed foot pedal with guard on a 10' 0" long SJTO UL electrical cord. Model PG-100-AFC.   |
| G2. Electrical Controls<br>(Toggle Switch Version) | 24 Volt toggle switch mounted on the base. Model PG-100-TSC.  |
| H. Electrical Connection                           | 6' 0" SO power cord requiring a grounded 10 AMP standard receptical. 110V-120V 50-60 Hz within 4 ft. of unit.   |
| I. Wall Mount Bracket                              | Heavy gage steel square tubing, epoxy coated.   |

Avant, the successor to the FMC line of commercial foodservice products, manufactures a complete range of replacement parts for the FMC utensil washers and garbage disposers. Custom stainless steel design and fabrication services.

Prices and specifications subject to change without notice.  
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**Avant** **LEEDAL**  
4025 S. Western Blvd  
Chicago, IL 60609

Tel: 773-376-5900 Fax: 773-376-7844

# LEEDAL®

FOOD SERVICE EQUIPMENT

## AVANT® POWER SCRUBBER

**MODELS:** PG-100-TSC...Toggle Switch Control Only  
PG-100-AFC...Both Foot Pedal & Toggle Switch Control  
Both Models are 115VAC, Single Phase, 50/60 HZ  
Both are available on special order in 230V.

**For Military Use Manual is: TM-DGSC-7320-651 &  
NAV SEA Manual S61 161-DP-SE-10**

**Manual was approved: February 1985-APL/CID/No. 439990148**

**Military Item Numbers: NSN 7320-01-105-5397  
NSN 7320-01-105-5398**

**TECHNICAL MANUAL  
INSTALLATION  
OPERATION  
MAINTENANCE**



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Manufactured by  
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# TABLE OF CONTENTS

## Avant Power Scrubber Technical Manual

Basic Units with General Descriptions .....	1
Specification Sheet .....	2
Hydraulic & Electrical System .....	3
Suggested 3 Bowl Sink Setup .....	4
Wall Mounting Bracket .....	5
Installation of Wall Mounting Bracket .....	6
Power Scrubber Installation .....	7, 8
Available Brushes .....	9, 10
Power Scrubber Maintenance .....	11
Operation of Power Scrubber .....	12,13,14
Trouble Shooting .....	15
Electric Motor & Pump Assembly, Data & Dimensions .....	16
Electric Motor Characteristics and Performance Data .....	17
Controller Data .....	18
Electric Motor - Wiring Diagram .....	19
Basic Unit Wiring Diagram .....	20
Hydraulic Motor .....	21
Parts List for Power Scrubber .....	22, 23, 24
Brochure, 4 pages	

## BASIC UNITS

### Toggle Switch Control

Model PG-100-TSC, Toggle Switch Control Power Scrubber. Basic unit includes nylon bristle brush (3" dia.) on quick-change handle, with bracket for wall mounting. 115V, 1 ph. Ship. wt. 135 lbs.

### Foot Pedal Control

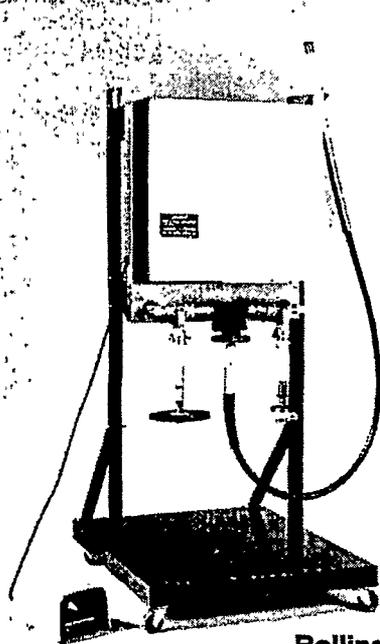
Model PG-100-AFC, Foot Pedal Control Power Scrubber. Basic unit includes nylon bristle brush (3" dia.) on quick-change handle, with bracket for wall mounting. This unit also has a toggle switch. 115V, 1 ph. Ship. wt. 135 lbs.

The "On-Off" control of the Power Scrubber is a low voltage toggle switch mounted on the right side of the Power Scrubber power module and on the "AFC" units, control is also by a foot pedal switch unit (gasketed) connected to the power module with a 10 ft. low voltage electrical cord. The toggle switch control version is ideal for continuous operation. The foot pedal control version is ideal for intermittent operation.

### Easy Installation

The Power Scrubber is shipped ready to install with easy -to-follow photo illustrated installation, operation and maintenance instructions. The wall bracket is predrilled on 16" centers for wall studs and lag screws are included. The Power Scrubber power module hangs on support bolts mounted on the bracket and the 10 ft. power cord plugs into any standard grounded 15 amp 115V receptacle.

The Power Scrubber power module can be easily lifted off the wall bracket and mounted on an optional rolling dolly, PG-RD-6, for mobile operation.



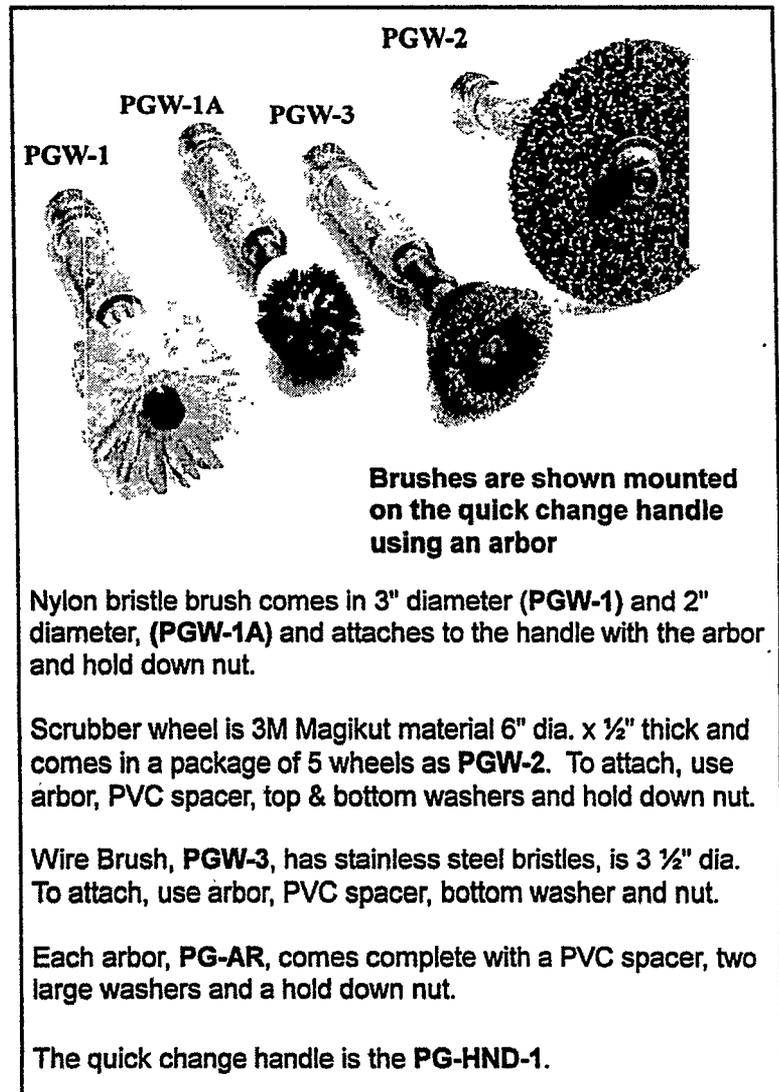
Rolling Dolly

Optional Accessories: A smaller nylon brush, the Magikut Scrubber Wheel and stainless steel wire cup brush increase the use of the Power Scrubber throughout the kitchen.....The smaller 2" diameter nylon brush works on muffin pans and in other small areas

The Magikut scrubber wheel (6" x 1/2") is a great tool for removing burnt-on carbon and other stubborn deposits. Save cooking energy by removing the burnt-on carbon, which has an insulating effect. More energy is required to heat a product in a pot or a skillet that has a heavy buildup of burnt-on carbon.

The wire cup brush is used for general equipment purposes such as grills, stove tops, ovens, etc.

The nylon bristle brushes, Magikut scrubber wheel and wire cup brush mount with an arbor to a quick-change handle that fits on the operator end of the flexible shaft. A separate quick-change handle and arbor are recommended for each accessory brush or wheel.



Brushes are shown mounted on the quick change handle using an arbor

Nylon bristle brush comes in 3" diameter (PGW-1) and 2" diameter, (PGW-1A) and attaches to the handle with the arbor and hold down nut.

Scrubber wheel is 3M Magikut material 6" dia. x 1/2" thick and comes in a package of 5 wheels as PGW-2. To attach, use arbor, PVC spacer, top & bottom washers and hold down nut.

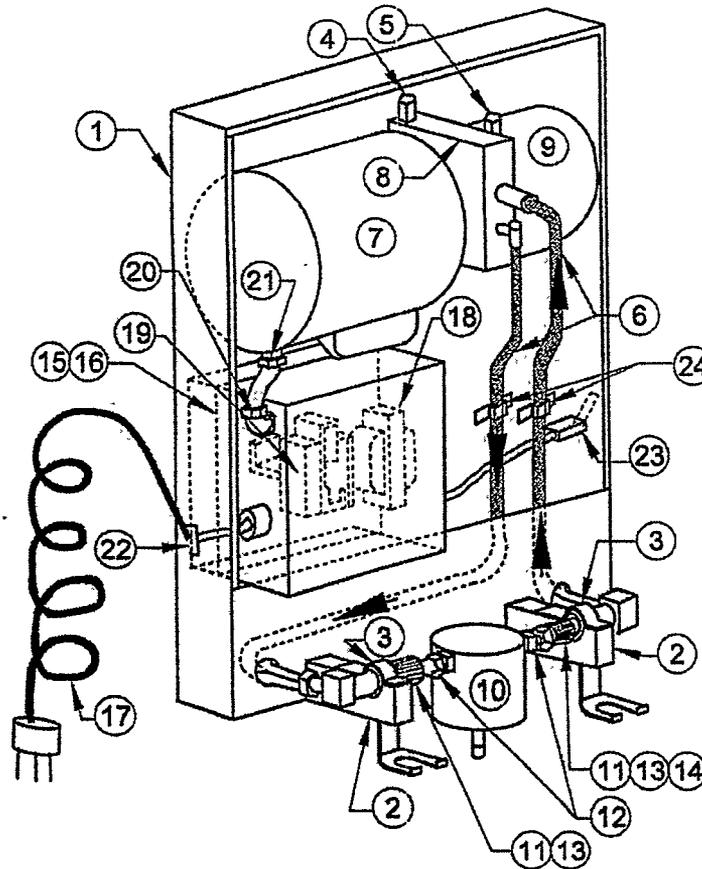
Wire Brush, PGW-3, has stainless steel bristles, is 3 1/2" dia. To attach, use arbor, PVC spacer, bottom washer and nut.

Each arbor, PG-AR, comes complete with a PVC spacer, two large washers and a hold down nut.

The quick change handle is the PG-HND-1.



# SERIES PG-100 HYDRAULIC & ELECTRICAL SYSTEM

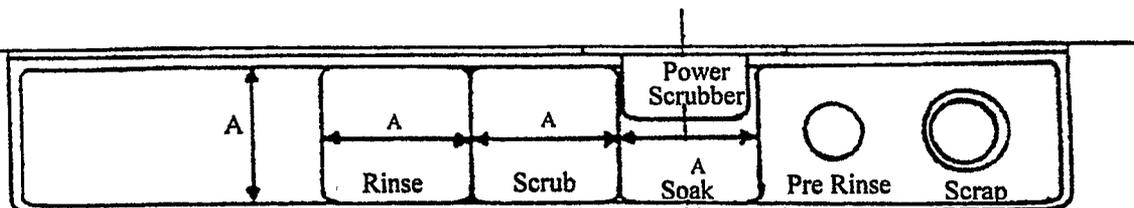


**Also see Page 19 for more description and quantities.**

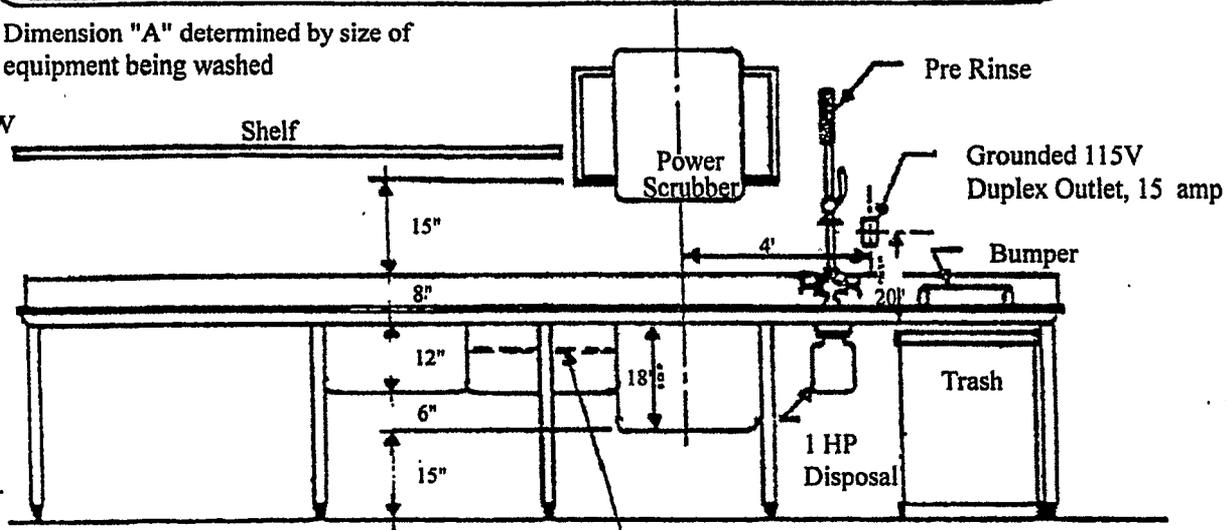
Ref#	Part #	Description	Qty.	Ref#	Part #	Description	Qty.
1	30-PG-105	Cabinet base, Stainless St.	1	13	30-PG-196	1" dia. vinyl insulator	2
2	30-PG-106	Motor mount brackets with spare tool holder, stainless steel	2	14	011-409	Male Adapter, 1/2" brass one side only	1
3	30-PG-107	Motor mount clamps, St. St.	2	15	30-PG-201	Electrical box	1
4	30-PG-197	Pressure adjust assembly	1	16	30-PG-202	Sub-panel	1
5	011-814A	Fill port, 3/8" sq. head plug	1	17	002-405	Power cord 10' x 16/3	1
6	30-PG-185	High pressure hose assembly w/ Fittings, set of 2	1	18	30-PG207A	Transformer 24V	1
7	30-PG171B	1/2 H.P. Electric Motor	1	19	30-PG-208	Contactor, single pole	1
8		Hydraulic Pump	1	20	30-PG-210	3/8" elbow connector 90°	1
9		Oil Reservoir, 1 gallon	1	21	002-AW912	3/8" elbow connector 45°	1
10	30-PG-173	Hydraulic motor	1	22	30-PG-214	Cord strain relief	1
11	30-PG-190	Coupler	2	23	30-PG-221	Toggle switch	1
12	30-PG-192	Hex Nipple 1/2" x 3/8"	2	24	30-PG-188	Hose straps, cad plate	2

# SUGGESTED THREE BOWL SINK SETUP

Top View

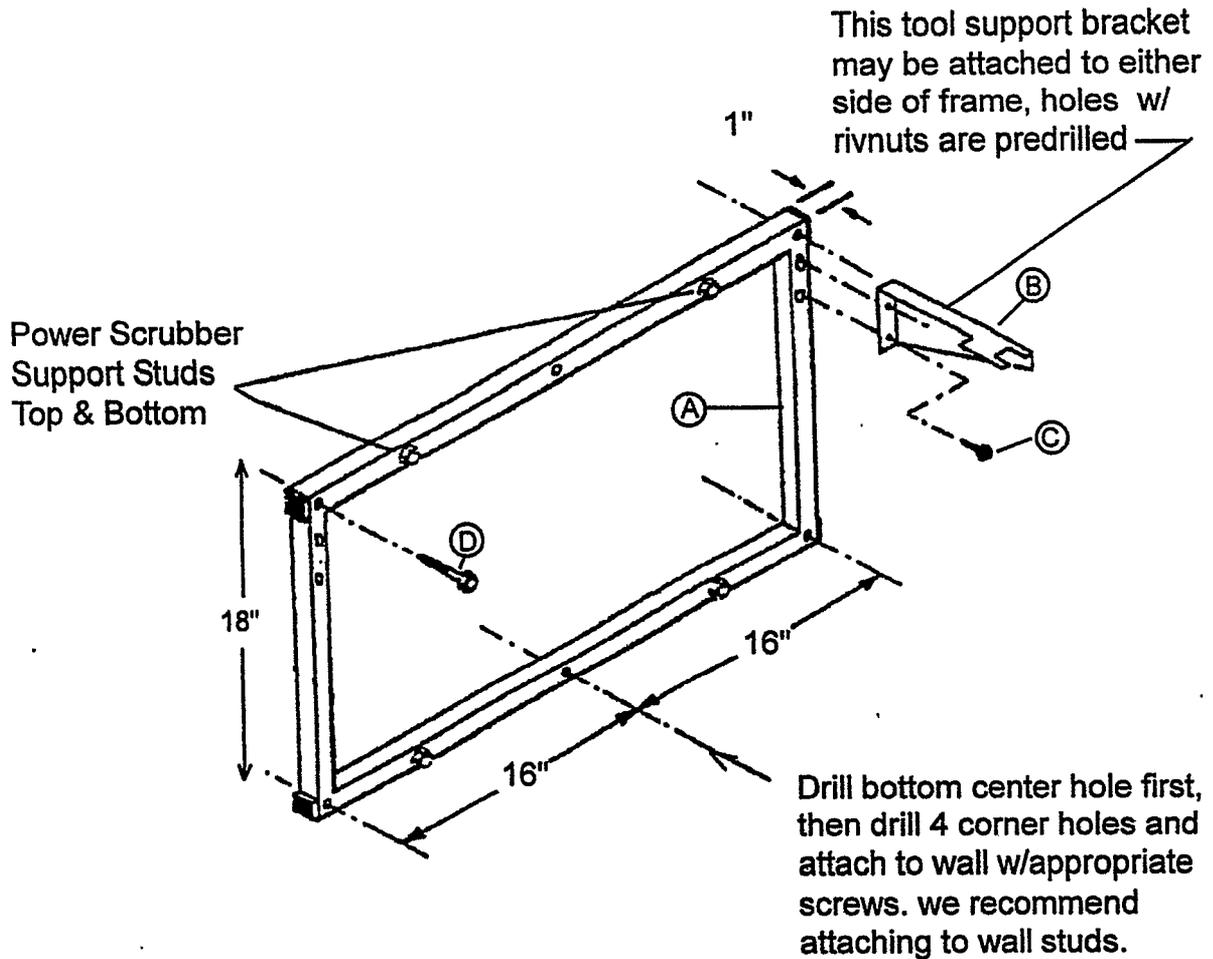


Front View



If scrub sink bowl is deeper than 6", we recommend a removable scrub platform such as the Avant PG-RSP which is 20" x 15" with 6" feet.

# UNIT WALL MOUNT BRACKET ASSEMBLY



<u>No.</u>	<u>Item</u>	<u>Code</u>	<u>Qty. Req'd.</u>
A	Unit Wall Bracket *	PG-WB	1
B	Tool Support Bracket	30-PG-163	1
C	Bracket Screws**	006-305	2
D	Mounting Lag Screws ***	BY INSTALLER	6

\* Available in stainless steel ..Cat. No. PG-SSWB

\*\* #10 - 24 x 1/2" long pan head stainless steel machine screw

\*\*\* Normally 1/4" x 3 1/2" toggle bolts and 1/4" masonry anchors

### Tools Required:

- 3/8" Electric Drill
- Hammer
- 1/4" Masonry Bit Screws
- 5/8" Masonry Bit (for toggle screws only)
- Phillips Driver
- Ratchet and Socket to fit 1/4" Bolt Heads
- Screwdriver

## INSTALLATION OF WALL MOUNTING BRACKET

1. Installing contractor to furnish hardware appropriate to wall stud material, such as hex head lag screws. Machine weight 150 lbs. size screws accordingly. Normally  $\frac{1}{4}$ " x 4" toggle bolts and  $\frac{1}{4}$ " masonry expansion anchors
2. For proper installation the left side wall of the Power Scrubber should align with the left side wall of the soaking sinkbowl. This removes the Power Scrubber cabinet from interfering with the work area over the scrubbing sink. (See page 2.)
3. Mark off 23" above drainboard surface of sink & draw a horizontal line parallel to drainboard.
4. Locate bottom centerhole on the above line 10" to the right of the left side wall (see 2 above).  
**NOTE:** Wall mount bracket may be moved 2" or 3" horizontally in either direction to facilitate attaching to studs. Drill wall with proper bit for fastener being used and wall covering material.
5. Attach wall bracket loosely with center bottom fastener.  
**NOTE:** especially important when using toggle bolts.
6. With assistance and a level, mark the remaining wall bracket mounting holes with a marking device or nail.
7. Rotate bracket out of the way to reveal the marked holes and drill with the proper drill bit. Install the remaining fasteners.
8. Using the #8 hex drive and drill, attach the tool support bracket with the screws provided. **NOTE:** tool support bracket may be attached to either side of unit wall bracket.
9. To hang the Power scrubber, first remove the stainless steel cover. Then handling the cabinet base only, hang the scrubber on the four support bolts (see page 3.) Two people are required. Replace the cover making sure the top channel slides properly into its slot and the side sealing strips remain in place. It helps to have the cover tilted slightly - bottom towards you as you slide the cover top into place.

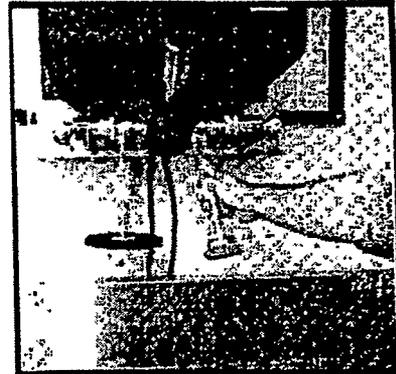
## POWER SCRUBBER INSTALLATION & START UP

1. In handling the Power Scrubber, never use the hydraulic motor to lift it. After mounting, use an Allen head wrench to tighten the two set screws in the coupling connecting the flexible shaft to the hydraulic motor. Hydraulic system is shipped with proper hydraulic fluid charge (approximately 1 gal.) and factory tested for 1 day. It should start right up. We suggest running the unit for 4 hours upon initial installation to break it in.

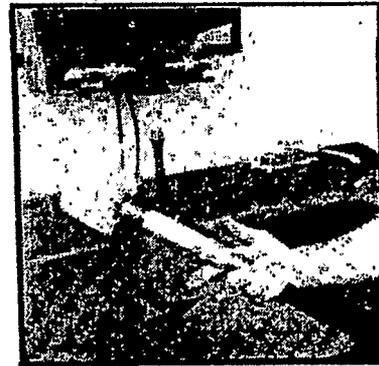
The Brush should rotate with medium strength and for safety, stall out with heavy pressure on the brush. Once the pressure is released, the brush should resume rotation. If not, twist it slightly. See last part of trouble shooting guide on page 12.



2. Extra tools with handles can be conveniently hung in the slots as indicated.



3. To remove the quick change handle, grasp the flexible shaft with three fingers as indicated.



4. Using the thumb and index finger of the right hand, pull down the knurled snap ring at the bottom of the quick change handle.

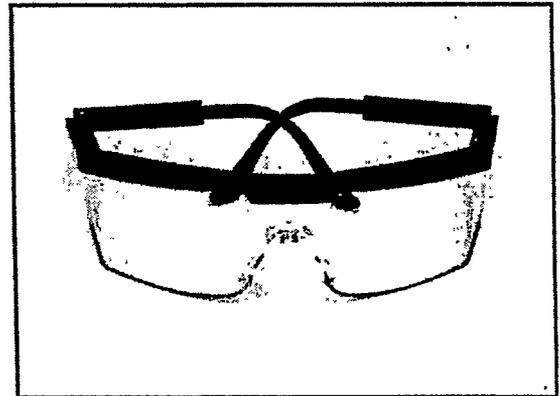


## POWER SCRUBBER INSTALLATION & START UP, CONTINUED

5. With the left hand, slide off the handle, letting go of the snap ring at the same time. To reinsert a quick change handle, hold as shown in photo, insert end of flexible shaft into quick change handle till it stops. Pull down knurled snap ring with right hand. At the same time, use the left hand to rotate the brush until you feel the two inner parts snap together (at that point, the handle will move downward a half-inch or so). Maintaining downward pressure with left hand, simply release the knurled snap ring with right hand. Check to make sure the quick change handle is properly secured. If not, repeat the above steps.



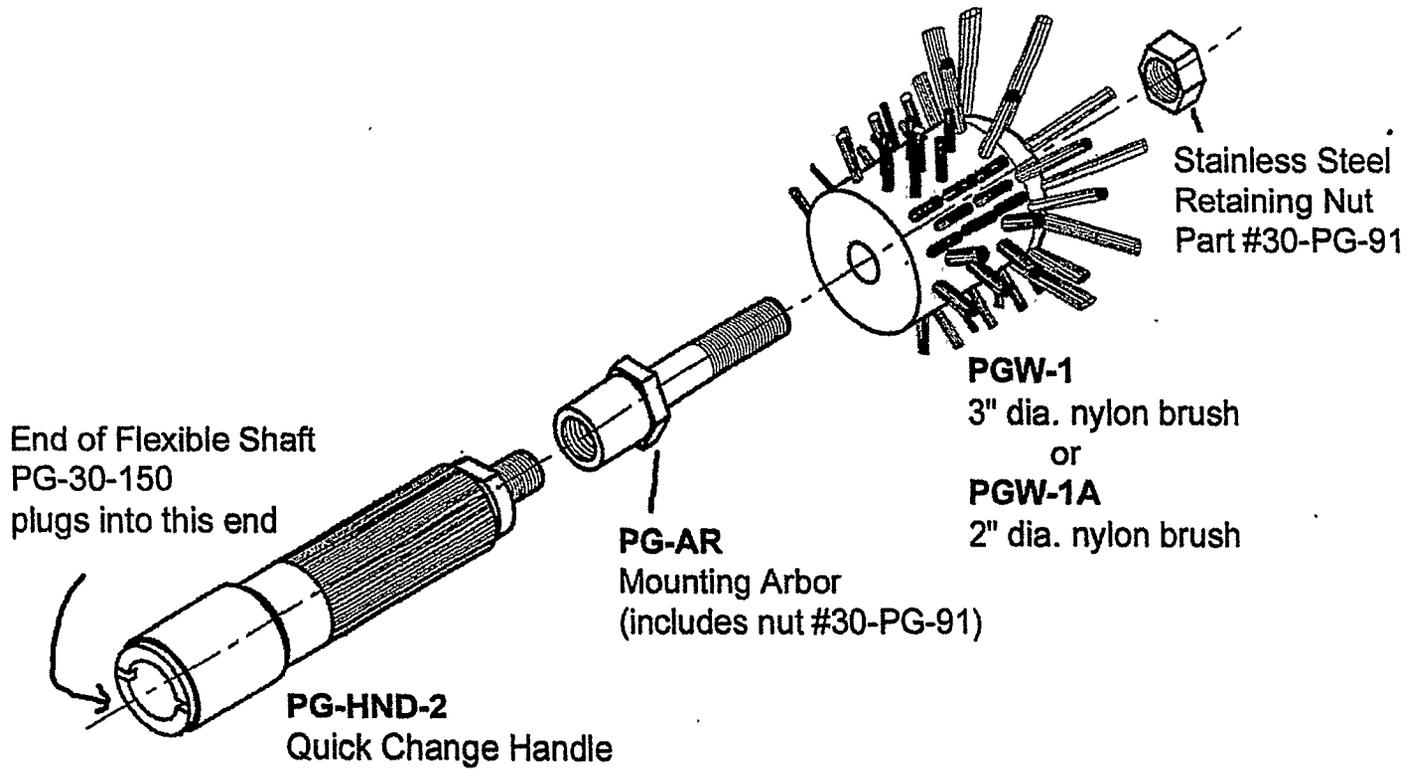
6. For safety, always use protective eye wear when operating the Power Scrubber. Safety glasses are available from us.



7. Plug the power cord into a 15 AMP 115V grounded receptacle while first making sure the unit is switched off and the quick change handle is properly secured in the tool holder bracket. In the case of a PGS-100-TSC, the power is controlled by a toggle switch mounted on the right side wall of the cabinet base. You should always be holding the tool handle in your left hand while switching the power on and off with your right hand. In the case of a PGS-100AFC, the power is controlled as well by a shielded foot pedal control which sits on the floor in a convenient location underneath the sink but out of the way of traffic. The foot pedal is suitable for wet use but NOT immersion. The toggle switch is still provided in this model for full control.

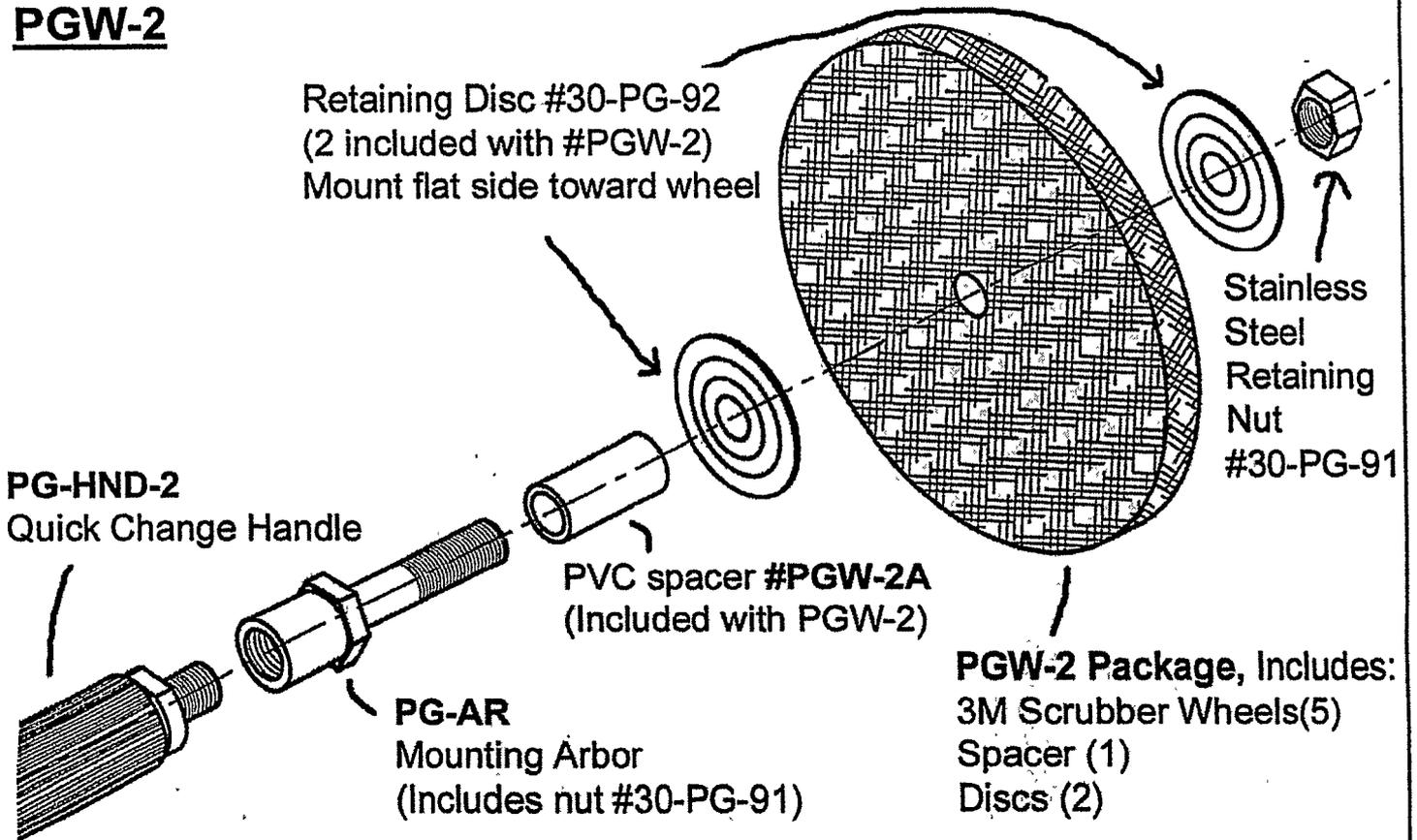
# PGW-1 & PGW-1A BRUSHES AND QUICK CHANGE HANDLE

## PGW-1 or PGW-1A

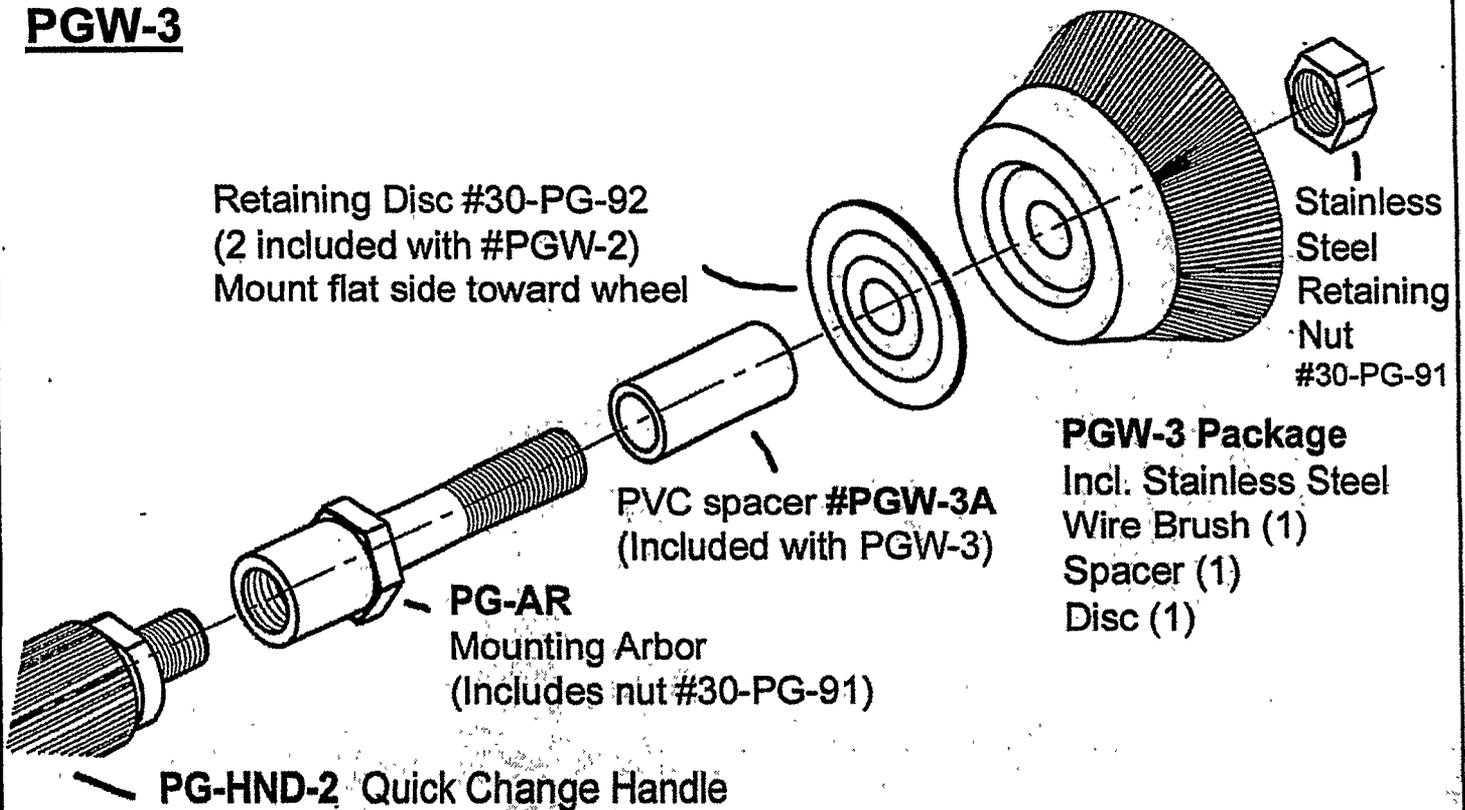


## PGW-2 & PGW-3

### PGW-2



### PGW-3



# POWER SCRUBBER MAINTENANCE

## Flexible shafts w/ grease fitting

1. The grease fitting on the handle end of the flexible shaft should be greased weekly with a food area approved grease. (We have it available if not part of your maintenance supplies.)



## Flexible shafts w/o grease fitting

- 1A. The flexible shaft inner core should be greased monthly by first unscrewing the shaft housing. Use channel lock pliers as required or 1" wrench.



## Quick Change Handles

2. Bearings on quick change handles should be greased weekly for easy operation.



- 2A. The shaft housing should then be removed after the quick change handle has been removed.



- 3A. The inner core can then be easily greased using food grade lithium grease. (H2, High Temp) (NLGI No. 2). Replace shaft cover, reversing above steps.



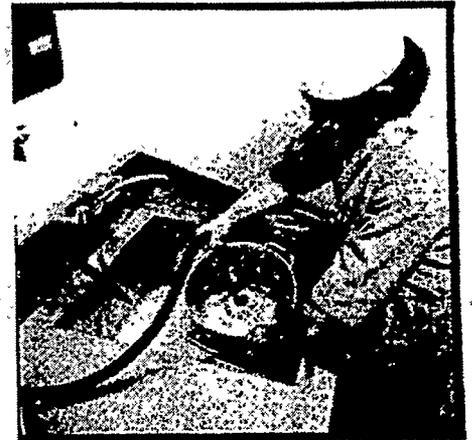
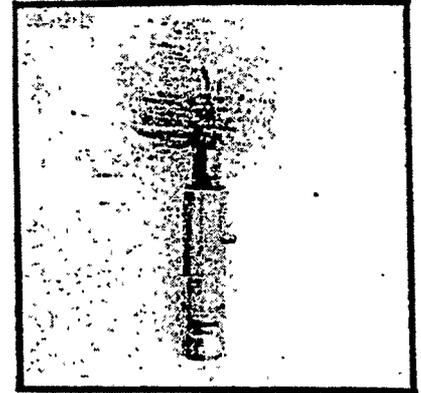
## POWER SCRUBBER OPERATION

The nylon bristle brush is used to remove residual food and grease from cooking operations. This brush works wet and either with or without scouring powder. Comes in two sizes, 2" and 3" diameter.

2. Never fill sink over  $\frac{1}{2}$  full. It's best to have either a shallow 6" sink for scrubbing or a removable scrub platform. Or, use the drainboard.

**3. WRONG!**  
**SINK TOO FULL.**

4. Always start the bristle brush with the shaft vertical or you may throw water. Do **not** use force. Do **not** press down hard. Let the rotating brush do the work. Pressing hard can damage the flexible shaft. Do **not** bend the flexible shaft sharply. Let it curve naturally. If there are remaining grime or particles that aren't coming off, **DON'T** press. Simply switch to the scrubber wheel or the stainless steel brush, as required.



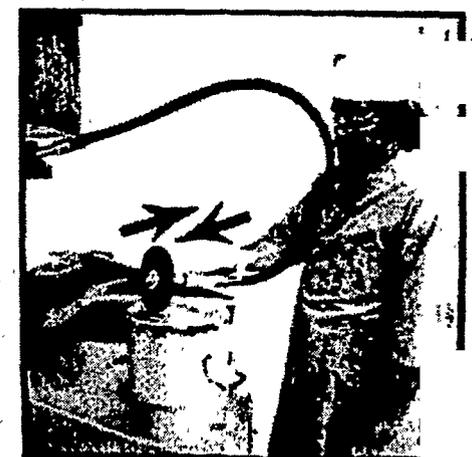
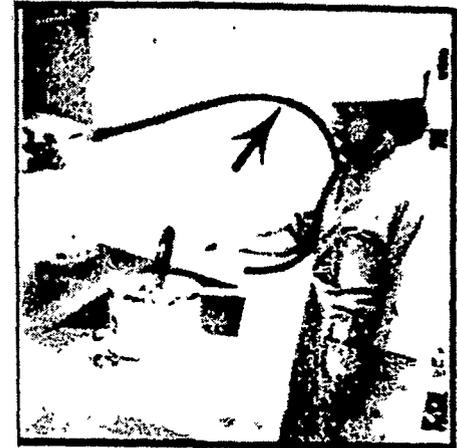
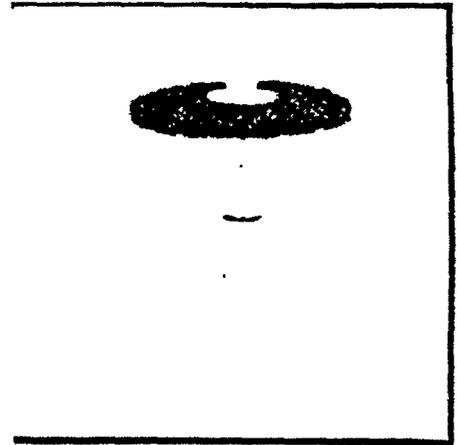
## POWER SCRUBBER OPERATION

5. The fastest way to clean the outside bottoms of pots is with the Magikut scrubber pad which is used to remove carbonized black material.

6. Always have the shaft stiffness working for you, not against you .

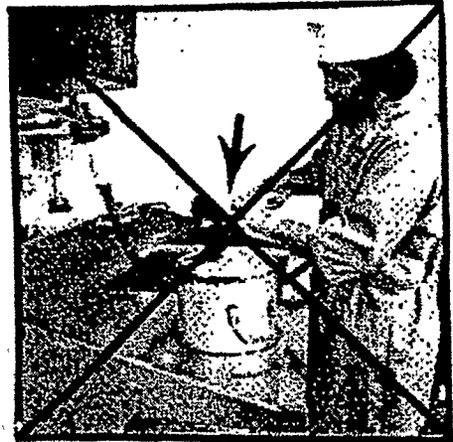
7. **WRONG!**  
**SHAFT IS HARDER TO HOLD.**

8. Once the shaft is properly placed, simply guide the Magikut pad, moving slowly as material has been removed. **Do not press down or oscillate the brush rapidly.**



## POWER SCRUBBER OPERATION, CONTINUED

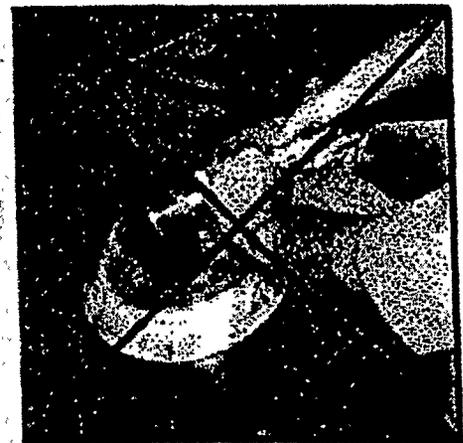
9. **WRONG!**  
LET THE MACHINE DO  
THE WORK FOR YOU.



10. When cleaning items low  
to the drainboard, use the  
sink edge as a fulcrum for  
the handle to make the  
operation easier.



11. **WRONG!**  
TOO HARD TO HOLD.



12. The Magikut pad can  
easily be used to clean the  
under edges of trays,  
bakery pans and steam  
table pans.



## TROUBLE SHOOTING

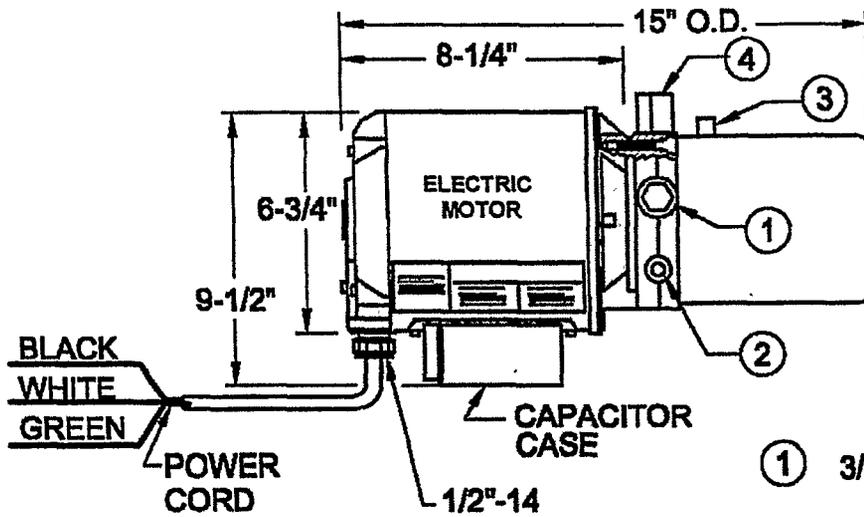
<u>PROBLEM</u>	<u>CAUSE</u>	<u>SOLUTION</u>
Switch is in "on" position but the unit is not operating (motor is not operating)	Unit is not plugged in	Check Electric Cord and Plug
	Power not getting to the unit	Check the circuit breaker and fuse
		Check the switch
Pump is operating but the brush is not rotating	Unit has not been in use and hydraulic fluid has congealed around the hydraulic motor drive	Turn brush by hand once to loosen, use caution as it will start to rotate
	Fluid level in the lines is low because of a leak	Check all lines for possible leaks, repair the leak and refill hydraulic fluid by opening the 3/8" plug on pump housing. Use any nonfoam piston type hydraulic fluid ATF type. Auto transmission fluid is O.K. Brake fluid is too light.
	Flexible shaft is broken	Replace flexible shaft.
	Set screw (socket head) is not tightened	Tighten socket head screw on flat of motor shaft with 5/32" allen wrench.
<b><u>These next 4 items apply mainly to initial startup</u></b>		
Brush is revolving slowly	Inadequate lubrication or inadequate pressure	Grease quick change handle and flexible shaft. Remove lock nut from part #4 pressure adjust assembly and turn exposed screw clockwise 1/2 turn at a time. After finding the right setting, replace lock nut.
Brush revolving too forcefully	Pressure too high	Remove lock nut from part #4 pressure adjust assembly and turn exposed screw counter-clockwise 1/2 turn at a time. After finding the right setting, replace lock nut.
Brush does not restart after clutching out due to heavy resistance	Motor not warmed up or pressure too low	Run unit for 1 hour to make sure it is warmed up. If still not restarting, slowly increase the pressure, see above.
Flexible shaft turning but brush is not turning	Brush mounting nut is too loose	Tighten the nut.

# ELECTRIC MOTOR WITH CLOSED COUPLED HYDRAULIC PUMP

Specially manufactured for Leedal, Inc. Part # 30-PG-171B

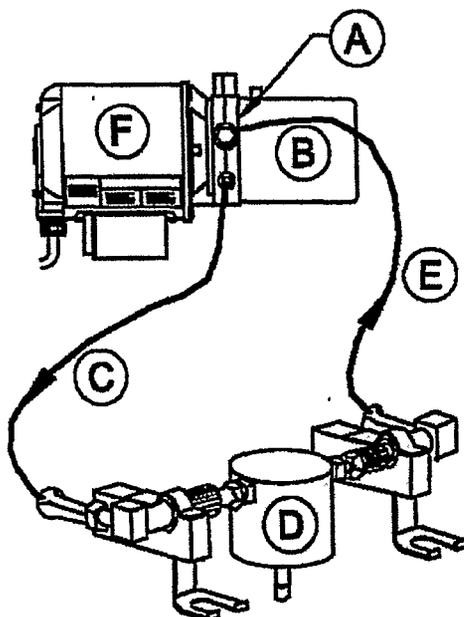
## ELECTRIC MOTOR

- 1/2 H.P. with frame #E56Y
- Capacitor Start
- Induction Run
- 1725 RPM
- 115/230V
- 50/60 HZ
- 1-Phase
- Specially manufactured for Leedal, Inc.
- Leedal part no. 30-PG-171-B



FRONT VIEW OF ELECTRIC PUMP AS MOUNTED IN UNIT

- ① 3/8" FPT INLET
- ② 3/8" FPT OUTLET
- ③ 3/8" MPT FILLER PLUG
- ④ PRESSURE ADJUSTMENT ASSEMBLY



HYDRAULIC SYSTEM

IT REQUIRES APP 1 QUART (32 OZ) OF #150 HYDRAULIC OIL TO FILL UP THE SYSTEM

- Ⓐ PUMP
- Ⓑ RESERVOIR (APP. 80% FULL)
- Ⓒ HOSE FROM "A" TO "D"
- Ⓓ HYDRAULIC MOTOR
- Ⓔ HOSE FROM "D" TO "A"
- Ⓕ ELECTRIC MOTOR

## MOTOR CHARACTERISTICS & PERFORMANCE DATA

**MANUFACTURER:** Emerson

**MASTER DRAWING:** Page 16 of Manual

**CERTIFICATION DATA:** None

**AUXILIARY:** N/A

**EQUIPMENT MODEL No.:** C63GYD4747H401B

**QUANTITY:** 1

**RATING (HP, VOLTS, PHASE):** ½ HP, 115/230 VOLTS, 1 PHASE AC

**INSULATION:** B4

**WEIGHT:** 37 lbs.

**CYCLES:** 50/60 Hz

**DESIGN:** K

**TORQUE-STARTING:** 99 inch pounds  
**FULL LOAD:** 36.5 inch pounds

**AMPERS-STARTING:** 94 lock rotor amps  
**FULL LOAD:** Amperage @ 115V= 8.4 amps    Amperage @ 230V= 4.2 amps

**POWER FACTOR:**

F.L.: N/A

¾: N/A

½: N/A

**LOCKED:** N/A

**ENCLOSURE:** TENV

**SERVICE:** Factor

**DUTY:** Continuous

**TYPE:** A.C. Inductions

**AMBIENT DEGREE C:** 40°C

**F.L. K.W.:** 1.13

**MOTOR FRAME:** E56Y

**EQUIPMENT SPECIFICATION:** N/A

**EFFICIENCY:** 66.8%

## CONTROLLER DATA

**MANUFACTURER:** General Electric

**MASTER DRAWING:** 74-130112 Rev. 1

**CERTIFICATION DATA:** N/A

**RATING (VOLTS, PHASE, HP):** 277 Volts, single phase, 30 amps

**SIZE:** 2-1/4" x 2-5/16" x 3-1/4"

**OPERATION:** Current Switcher

**TYPE:** Single Pole Magnetic Contactor

**FUNCTION:** Relay

**DUTY:** Continuous

**LOW-VOLTAGE FEATURE:** 24 Volts AC

**OVERLOAD RELAY HEATER**

**CATALOG No.:** N/A

**TYPE:** N/A

**EMERGENCY RUN (YES/NO):** N/A

**AMBIENT DEGREE:** 40°C

**ENCLOSURE:** JIC Box Type 12

**WEIGHT:** 1 lb.

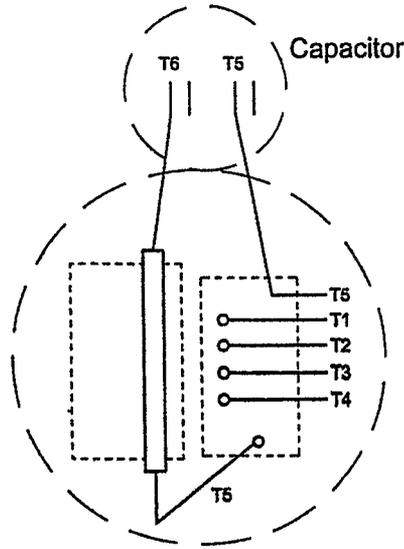
**EQUIPMENT SPECIFICATION:** Part # 30-PG-208

**LOCATION:** Item 19 on page 3 of manual

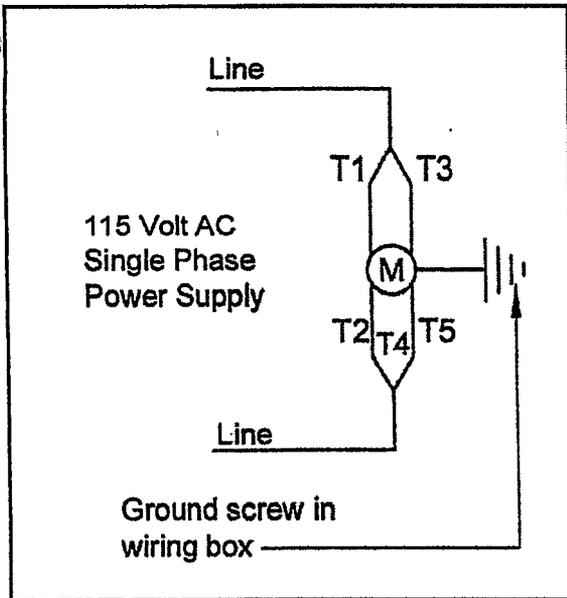
**QUANTITY:** 1 each

# ELECTRIC MOTOR EXTERNAL WIRING DIAGRAM

for Leedal Part #30-PG-171-B



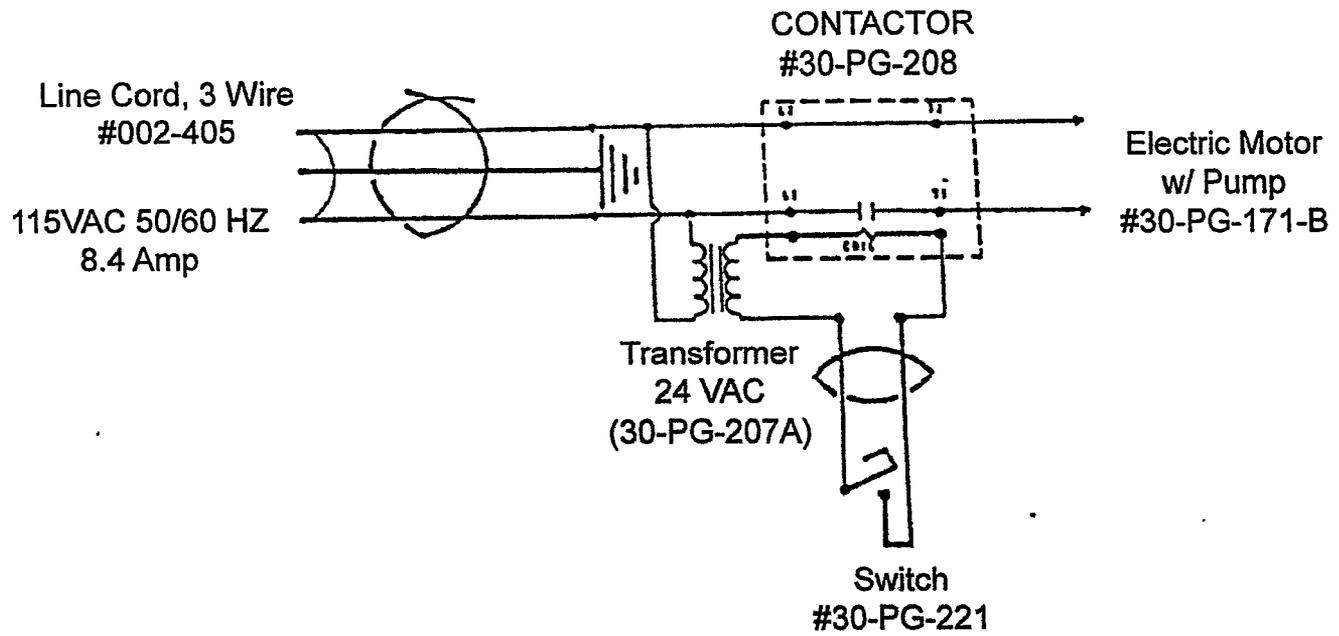
## LINE LEADS



	Rotation Facing Lead End	L1	L2	Join
230/240 High Volt	C.C.W. Rot.	T1	T4 T5	T2, T3
	C.W. Rot.	T1	T4	T2, T3, T5
115/120 Low Volt	C.C.W. Rot.	T1, T3	T2, T4, T5	—
	C.W. Rot.	T1, T3, T5	T2, T4	—

Hook-up

# WIRING DIAGRAM FOR MODEL PG-100...ALL MODELS



## ELECTRICAL LISTING

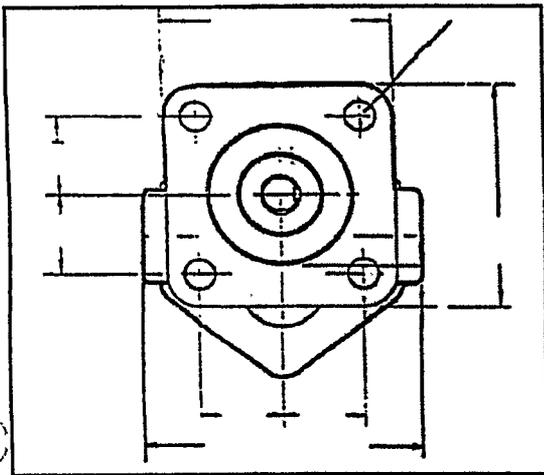


UL# E27861  
U.L. & CSA  
Component Recognized

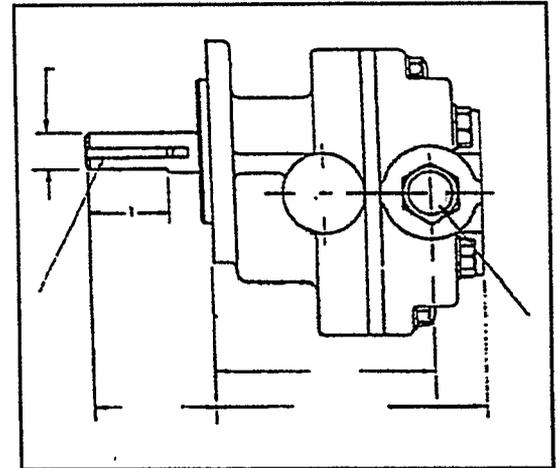
# HYDRAULIC MOTOR 30PG-173

High strength cast iron body with precision machining, hardened alloy gears and shafts "Buna N" seals and o-rings.

## DIMENSIONS



FRONT VIEW



SIDE VIEW

## SPECIFICATIONS

SIZE:	C6
GPM @ 1750 RPM:	2.39
ZERO PSI GAL/REV:	.00137
SLIP GPM/100 PSI:	.025
MAX. SPEED RPM:	3000

## END ITEM COMPONENTS AND ASSEMBLIES

For PG-100 Series Power Scrubbers. All Supplied by Leedal, Inc. Effective October, 2001

<u>Part Number</u>	<u>Description</u>	<u>Qty per Unit</u>	<u>Price Each</u>
<b>30-PG-102</b>	<b><u>Cabinet Assembly</u></b>		<b>\$720</b>
30-PG-105	Stainless steel base, serial numbers after 3026	1	\$375
30-PG-106	Mounting brackets for hydraulic drive motor with tool holders, stainless steel	2	\$45
30-PG-110	Grommet	2	\$3
30-PG-116	Protective Cover, stainless steel	1	\$275
30-PG-119	Door sealant, 4' 6 1/4"	1	\$5
30-PG-214	1/2" cord strain relief, plastic	2	\$10
<b>30-WMB-16</b>	<b><u>Wall Mount Bracket Assembly</u></b>		<b>\$175</b>
30-PG-16-1	Unit wall bracket, epoxy finish metal (standard)	1	\$120
30-PG-16-3	Tool support bracket, stainless steel	1	\$40
006-305	Bracket screws #10 - 24 x 1/2" long panhead machine screws, stainless steel	4	\$5 -4pack
006-PG-916	Mounting lag screws 1/4" x 3 1/2" long cad plated, optional (6pack)	6	\$5
PG-SSWB	Unit wall bracket, stainless steel (optional)	1	\$120
<b>30-PG-150</b>	<b><u>Flexible Shaft Assembly</u></b>	1	<b>\$372</b>
<b>30-PG-170-B</b>	<b><u>Hydraulic Assembly</u></b>		
30-PG-171-B	Hydraulic pump with motor, 1/2 H.P., single phase, 115/220V 50/60Hz	1	\$1500
30-PG-173-B	Hydraulic drive motor type MOH3BS5-LB	1	\$420
30-PG-185	High pressure hose assembly with fittings, set of 2	1 set	\$150
30-PG-190	Coupler, hydraulic type S20-4; consists of: S71-411 1/2" male, S25-4 1/2" quick female	2	\$70
30-PG-192	Hex reducing nipple, 3/8" MPT x 1/2" MPT	2	\$10
30-PG-196	1" dia. ID vinyl tubing insulator 1" long	2	\$3
30-PG-197	Pressure adjustment assembly, 2 fittings w/o-ring	1	\$25
30-PG-107	Hydraulic motor mount clamps, stainless steel	2	\$10
011-814A	Filler plug 3/8" square head	1	\$5
011-409	Male adapter, 1/2", brass (on right side only)	1	\$5
30-PG-188	Metal hose straps, cad plated	2	\$4
<b>30-PG-HND-1</b>	<b><u>Quick Change Handle, Complete (one included standard)</u></b>	1	<b>\$220</b>
<b>30-PG-AR</b>	<b><u>Wheel arbor (one included standard)</u></b>	1	<b>\$18</b>
<b>30-PG-200</b>	<b><u>Electrical Assembly</u></b>		
30-PG-201	Electrical box 6" x 6" x 4" JCH 606	1	\$80
30-PG-202	Sub-panel 4 7/8" JP6	1	\$20
002-405	Power cord, 10' x 16/3	1	\$15
30-PG-207A	Transformer 24 volt	1	\$40
30-PG-208	Contactora, single pole	1	\$50
30-PG-210	3/8" liquitite connector 90° elbow	1	\$10
002-AW-912	3/8" liquitite connector 45° elbow	1	\$10
30-PG-214	1/2" cord strain relief	2	\$10

## END ITEM COMPONENTS AND ASSEMBLIES

For PG-100 Series Power Scrubbers. All Supplied by Leedal, Inc. Effective October, 2001

<u>Part Number</u>	<u>Description</u>	<u>Qty per Unit</u>	<u>Price Each</u>
<b><u>30-PG-220</u></b>	<b><u>Toggle Switch Assembly</u></b>	1	\$40
30-PG-221	Toggle switch double pole/ single throw, 20 amp 115v	1	\$20
30-PG-223	Toggle switch cord, 2ft 18/3 black	1	\$5
002-847	Boot seal for toggle switch	1	\$10
<b><u>30-PG-230</u></b>	<b><u>Foot Switch Assembly (PGS-100-AFC models only)</u></b>	1	\$200
30-PG-230	Foot switch	1	\$150
002-405	Foot switch cord, 10ft 18/3 black	1	\$25
002-804A	Cord strain relief, metal	1	\$12
002-214	1/2" cord strain relief, plastic	1	\$5
<b><u>30-PG-PG-12</u></b>	<b><u>Protective Eyeware (plastic safety glasses), 1 pair</u></b>	optional	\$6
<b><u>30-PG-LG-12</u></b>	<b><u>Grease, 3oz. tube (pack of 12) food grade lithium</u></b>	optional	\$45
<b><u>ACCESSORY BRUSHES</u></b>			
30-PGW-1	Brush, 3" dia. nylon (one included standard)	1	\$120
30-PGW-1A	Brush, 2" dia. nylon	1	\$90
30-PGW-2	Magikut scrubber pads, 1/2" thick x 6" dia. (package of 5)	1	\$200
30-PGW-3	Wire brush, 3 1/2" dia. S/S	1	\$90
30-PG-AR	Brush mounting arbor with spacer, washer, and nut	1	\$20
<b><u>30-PG-RD-6</u></b>	<b><u>Rolling Dolly Assembly (Option)</u></b>	1	\$250
30-PG-06-1	Base	1	\$80
30-PG-06-2	Uprights	2	\$35
30-PG-06-3	Angle Braces	2	\$25
30-PG-06-4	Support Bracket	4	\$15
30-PG-06-5	Casters	4	\$25
6-299A	#8 sheet metal screws	18	\$20 - 4 pack
6-408B	1/4" - 20 x 1/2" hex head ms cad	8	\$10 - 3 pack
6-205	1/4" - 20 hex nuts cad	8	\$10 - 3 pack
6-AD-316	1/4" - 20 x 1 1/2" hex head cs cad	4	\$4 - 3 pack
6-AW-916	1/4" split ring lock washer	8	\$10 - 3 pack
6-AW-389E	5/16" - 18 x 2 1/2" hex head cs cad	4	\$4 - 3 pack
6-216A	5/16" - 18 hex nuts cad	4	\$4 - 3 pack
6-AW-915A	5/16" - split ring lock washer	4	\$5 - 3 pack

## END ITEM COMPONENTS AND ASSEMBLIES

For PG-100 Series Power Scrubbers. All Supplied by Leedal, Inc. Effective October, 2001

<u>Part Number</u>	<u>Description</u>	<u>Qty per Unit</u>	<u>Price Each</u>
<b>GENERAL</b>	<b>FASTENERS</b>		
6-101	6-32 rivet nut	3	\$5 - 3 pack
6-401B	6-32 x 3/4" pan head, machine screw, stainless steel	3	\$5 - 2 pack
6-360	1/4" - 20 x 1/2" truss head, machine screw, stainless steel	4	\$5 - 3 pack
6-405A	1/4" - 20 x 1/2" hex head, machine screw, stainless steel	10	\$20 -10pack
6-AW-916	1/4" - split lockwasher, stainless steel	4	\$10 - 3 pack
6-106	1/4" - 20 rivnut	8	\$8 - 10 pack
6-AW-217A	1/4" - 20 hex nylok nut	6	\$6 - 10 pack
6-AW-389B	5/16" - 18 x 3/4" hex head, machine screw, cadmium plated	4	\$5 - 6 pack
6-AW-217	5/16" - 18 hex nylok nut	4	\$5 - 6 pack
6-AW-541	5/16" x 5/8" flat washer, cadmium plated	4	\$5 - 3 pack
6-PG-916	1/4" x 3 1/2" lag bolt, cadmium plated	6	\$10 - 5 pack
6-305	#10 - 24 x 1/2" pan head, machine screw, stainless steel	4	\$10 - 4 pack
6-100	#10 - 24 rivnut	4	\$5 - 4 pack
30-PG-532	5/32" allen key wrench	1	\$5 - 3 pack

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INSTRUCTION: Continue on 8 1/2" x 11" paper if additional space is needed.

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