

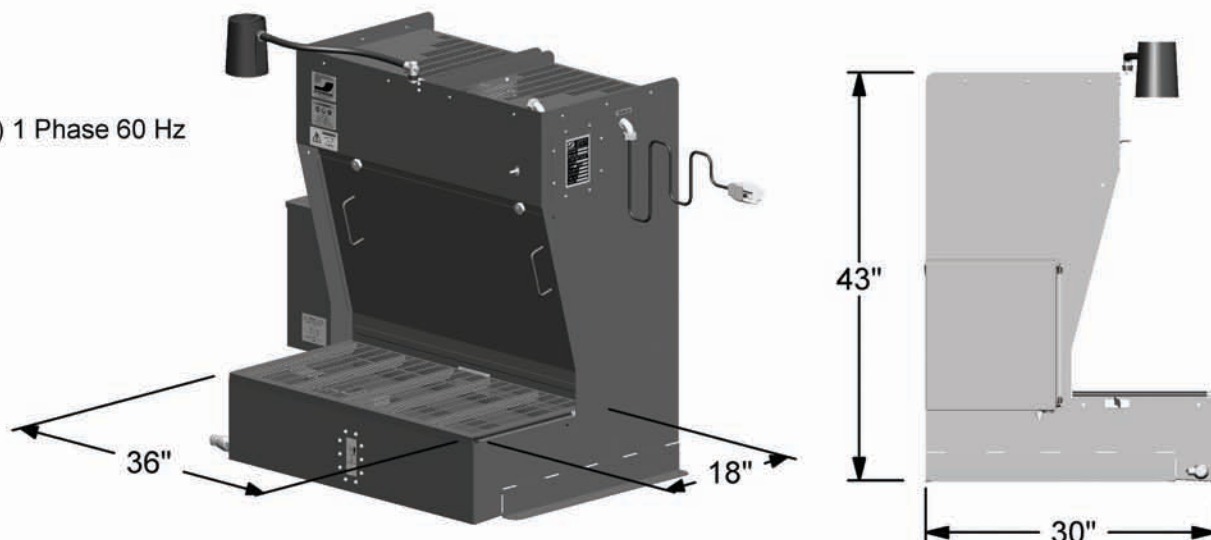
36" Metal Finishing Station

Tool Manual - Safety, Operation and Maintenance

SAVE THIS DOCUMENT, EDUCATE ALL PERSONNEL

Models:

64300 (120v) 1 Phase 60 Hz



SAFETY LEGEND



⚠ WARNING

Read and understand tool manual before work starts to reduce risk of injury to operator, visitors and tool.



⚠ WARNING

Eye protection must be worn at all times, eye protection to conform to ANSI Z87.1



⚠ WARNING

Respiratory protection to be used when exposed to contaminants that exceed the applicable threshold limit values required by law

⚠ WARNING

Practice safety requirements. Work alert. have proper attire and do not operate tools under the influence of alcohol or drugs



⚠ WARNING

Ear protection to be worn when exposure to sound, exceeds the limits of applicable Federal, State or Local statutes, ordinances and/or regulations



⚠ WARNING

Electric shock hazard. Avoid bodily contact with grounded objects, bodies of water. Do not damage cord set.



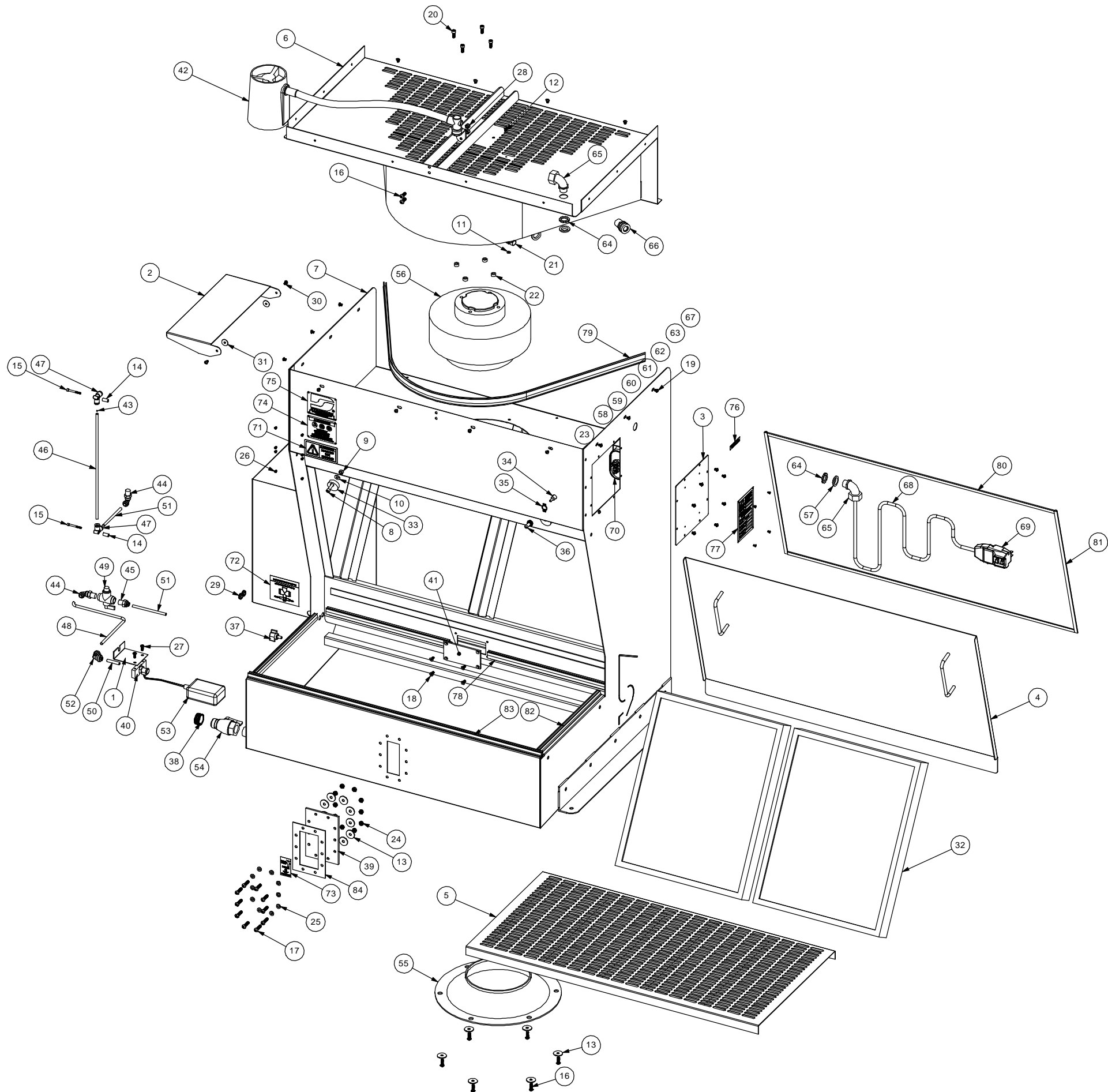
IMPORTANT SAFETY INSTRUCTIONS

When operating this equipment, basic precautions should always be strictly followed including the instructions listed below:

METAL FINISHING STATION SAFETY INSTRUCTIONS

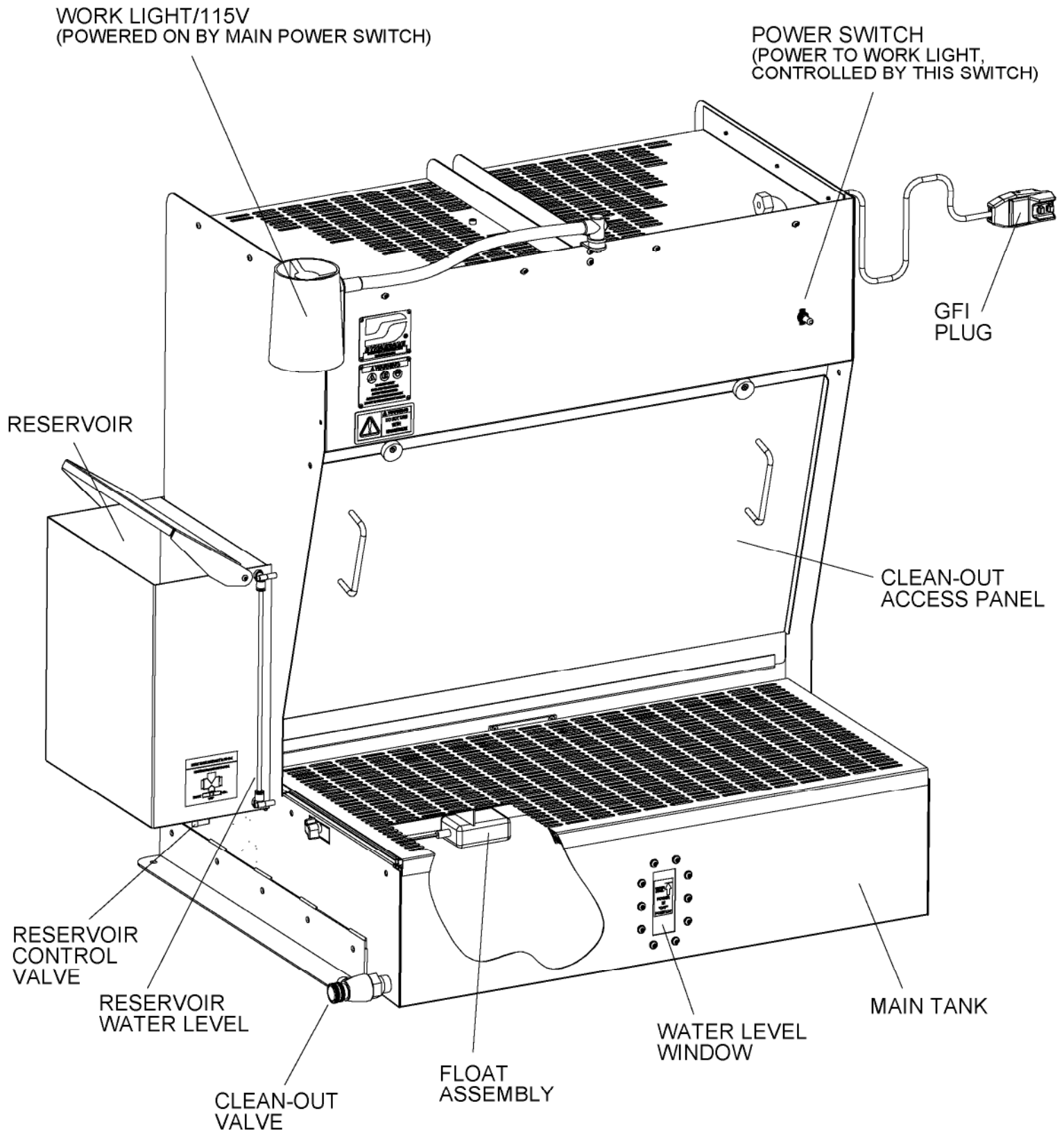
1. Always use a grounded power supply. There is an increased risk of electric shock with an ungrounded power supply.
2. Don't expose to rain or wet conditions. There is an increased risk of electric shock if the switch, cord or motor are wet.
3. Do not abuse the power cord. Never use the cord to move the station. Never use the cord to pull the plug out of the outlet. A damaged cord increases the risk of electric shock.
4. Use caution when opening or closing guards, screens, etc. Switch power off and unplug cord before opening. Remove all work pieces and tools before opening to avoid injury. Keep fingers and hands clear when closing to avoid injury
5. Never use to exhaust chemical vapors
6. Vibration may occur if unit is unlevel.
7. Unplug power cord when accessing blower compartment area
8. Power switch must be off when servicing filter

IT.	P/N	DESCRIPTION	QTY.
1	64133	L-BRACKET, FLOAT ASSY	1
2	64310	RESERVOIR LID	1
3	64309	ELECTRICAL ACCESS PANEL	1
4	64308	ACCESS PANEL	1
5	64307	WORK SURFACE ASSY	1
6	64306	HOOD/SCROLL	1
7	64305	MAIN TANK	1
8	97668	1/4 -20 X 1" SHCS	2
9	95186	1/4-20 HEX NUT	2
10	95935	1/4" WASHER	2
11	97063	1/8" RIVET WASHER	1
12	97073	1/8" ALUMINUM BLIND POP RIVET	1
13	97314	.281 ID X 1" OD X .080 THK FENDER WASHER	16
14	98438	#8 x 5/8" SPACER, ZINC	2
15	98437	8-32 x 1 1/2" SHCS, ZINC	2
16	97371	1/4-20 X 3/4" BHSCS	8
17	97241	1/4-20 X 1" BHSCS	10
18	97239	10-32 X 1/2 FSHCS	4
19	97378	10-32 x 1/4" BHSCS, ZINC	22
20	97380	M6 x 16 SHCS	4
21	97374	CORD CLIP	1
22	97373	SPACER	4
23	97213	10-32 HEX NUT	1
24	97381	1/4-20 SS JAM NUT	10
25	97372	#14 WASHER/ NEOPRENE BACKING	10
26	97062	1/8" ALUMINUM BLIND POP RIVET	12
27	97160	10-24 X 1/2" PHMS, ZINC	2
28	98594	1/4-20 Locknut	2
29	64132	GROMMET	2
30	97377	10-32 x 3/8" BHSCS	2
31	97370	#10 WASHER	2
32	64311	MIST TRAP	2
33	64164	LOCKING CAM	2
34	98369	TOGGLE SWITCH	1
35	98500	ON-OFF PLATE	1
36	98499	PROTECTIVE SWITCH SLEEVE	1
37	64961	ASSY KNOBS- REID# DK-127 (OPT.)	1
38	97362	GH CAP/GASKET	1
39	64318	ACRYLIC WINDOW SIGHT	1
40	64134	FLOAT MTG HEAD	1
41	64312	SCROLL WINDOW SIGHT	1
42	64313	MACHINE LIGHT/BRACKET ASSY	1
43	97079	WATER LEVEL BALL	1
44	98441	90°QUICK CONNECT, 1/4"	2
45	98442	STRAIGHT QUIK CONNECT, 1/4"	1
46	98439	1/4" TUBING, MADE FROM 98439-90, 13.25"	1
47	97244	1/4" TUBE FITTING, 90° 8-32 PANEL MOUNT	2
48	97243	1/4" TUBING, MADE FROM 95955-90, 16"	1
49	64140	3-WAY VALVE	1
50	64161	1/4" TUBING, MADE FROM 95955-90, 1.50"	1
51	64158	1/4" TUBING, MADE FROM 95955-90, 4"	2
52	64129	90DEG FITTING, 1/4"	1
53	64128	FLOAT VALVE	1
54	97364	3/4" NPT FEMALE TO 3/4" GH MALE, VALVE	1
55	64315	IMPELLER INLET RING	1
56	64314	IMPELLER	1
57	98751	1/2" SEALING RING	3
58	98617	INSULATED MALE CONNECT	1
59	98616	CRIMP ON WIRE CONNECT	2
60	98613	INSULATED FEMALE BARREL TERMINAL	6
61	98407	#16 GREEN WIRE (FT)	2
62	98405	#16 BLACK WIRE (FT)	3
63	98408	#16 WHITE WIRE (FT)	2
64	98746	1/2" LOCK NUT	3
65	98709	90 DEGREE ELBOW	2
66	98701	.187-.312 Alum Strain Relief	1
67	98609	RING TERMINAL	3
68	98418	CORD, 16/3 SJT X 9'10"	1
69	64138	90°GFCI PLUG, 120V 15AMPS	1
70	64316	CAPACITOR, 60 MICRO FARAD	1
71	97102	WARNING LABEL, MAGNESIUM	1
72	64326	CAPACITY LABEL	1
73	64162	WATER LEVEL LABEL	1
74	64930	WARNING LABEL, EYE PROTECTION	1
75	66084	DESCRIPTION PLATE, COMPANY LOGO	1
76	98421	ADHESIVE LABEL, 115 VOLTS	1
77	65059	DESCRIPTIVE PLATE, ELECTRICAL DATA	1
78	64322	EDGE TRIM, 25/64" BULB, MADE FROM 64148-90, 15.50"	2
79	64325	EDGE TRIM, 7/16" BULB, MADE FROM 64146-90, 48.25"	1
80	64324	SEAL, BIG D SHAPE, MADE FROM 64143-90, 35.125"	2
81	64323	SEAL, BIG D SHAPE, MADE FROM 64143-90, 18.50"	2
82	64320	EDGE TRIM, 25/64" BULB, MADE FROM 64148-90, 14"	2
83	64319	EDGE TRIM, 25/64" BULB, MADE FROM 64148-90, 35.9375"	1
84	64317	WINDOW SIGHT GASKET	1



For models:
64300

METAL FINISHING STATION CONTROLS, FEATURES



METAL FINISHING STATION : SETUP

Step 1: Before operating your Metal Finishing Station, you must first make sure your tool is plumb and level. Failure to do so may impede proper function of the tool. For positive mounting, there are two mounting holes provided on each tool leg as shown below.

Step 2: Be sure that both your reservoir valve and your main tank valve are in the "off" position.

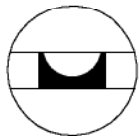
Step 4: Switch reservoir valve to "Float" position.

Step 5: Plug in the Metal Finishing Station. Be sure to push the reset button on the GFI plug before turning system on. Turn power switch on.

Continue by checking for vigorous washing action which is visible just below filter access panel as noted.

Step 6: Install work surface.

(1) IMPORTANT:
TOOL MUST BE
PLUMB & LEVEL



(5) POWER SWITCH

(5) VISUALLY INSPECT
WASHING ACTION

(5)

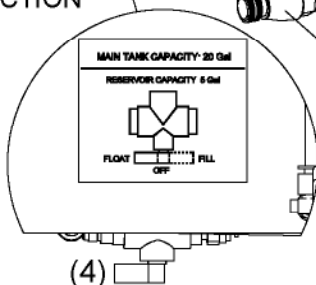
(6)

(B)

(A)

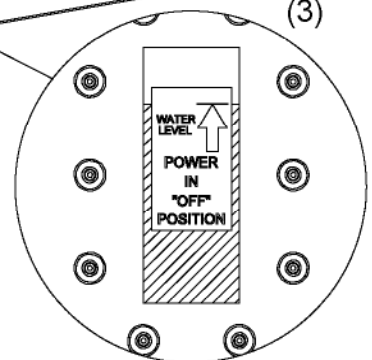
MOUNTING
HOLES

(2) RESERVOIR LABEL
INDICATES CORRECT
POSITION FOR
REQUIRED FUNCTION



(2) VALVE ARM
PERPENDICULAR TO
VALVE BODY IS CORRECT
FOR "OFF" POSITION
(SHOWN IN OFF POSITION)

(3)



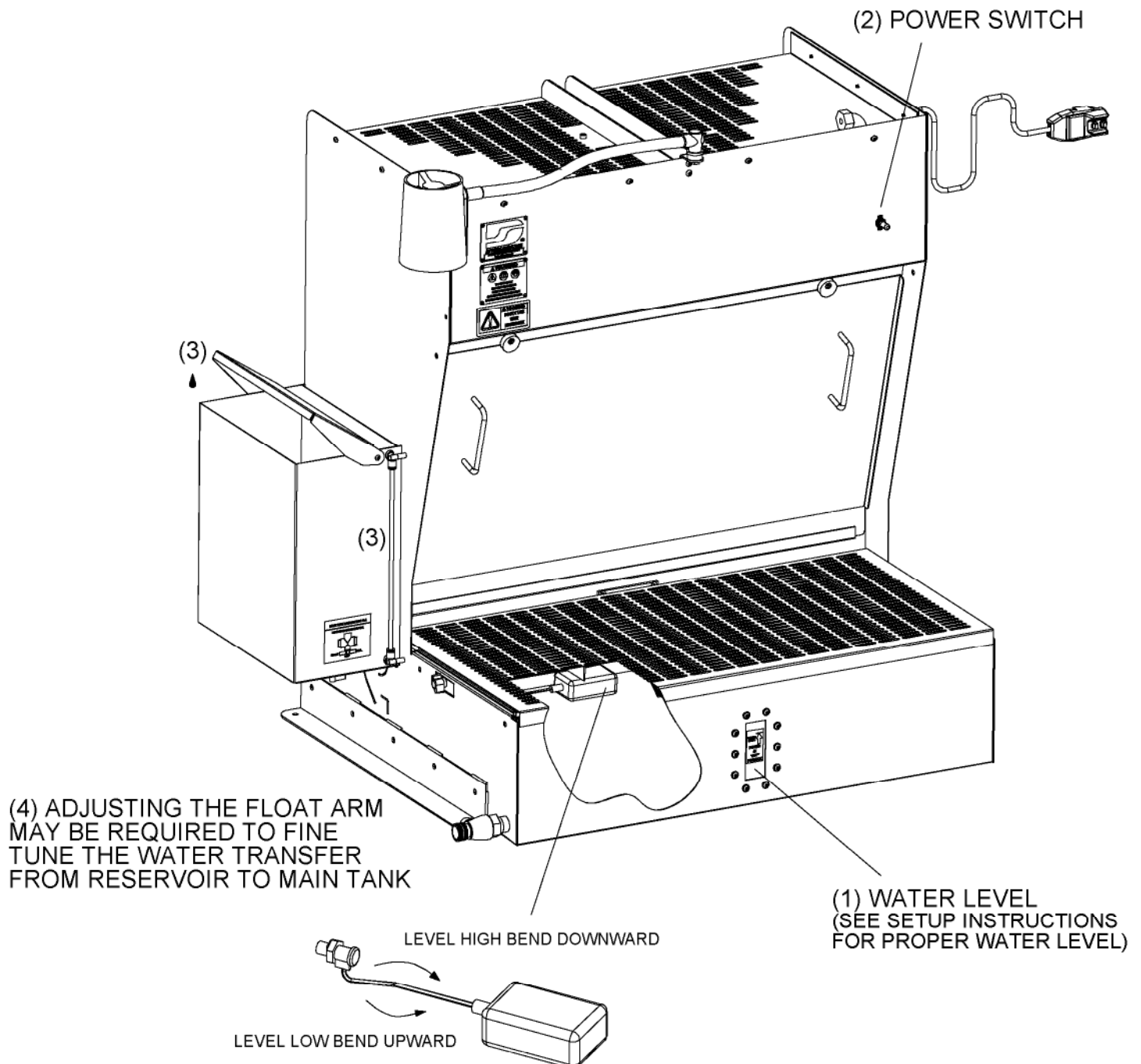
METAL FINISHING STATION : OPERATION

Step 1: Before operation starts, you must first make sure that the main tank is at its proper water level in the "Power off" position. If water level is low add water to the main tank or, operate your reservoir valve to the fill position until desired level is reached as indicated on the label at the front of the machine. Continue by then switching reservoir valve to the "float" position.

Step 2 : Turn power switch on to start filtering action and begin work.

Step 3: It is critical that reservoir maintains water to compensate for water evaporation during use. Monitor reservoir water level periodically and refill as necessary to ensure proper function of tool.

Step 4 : During operation, the float valve will transfer (Drip) water into the main tank from the reservoir to make up for evaporation. Turn power off after extended operation (Min 4 Hours) and re-check initial "Power off" water level. If low, carefully bend the brass rod on the float assembly to move float body up approximately 1/16". If "Power off" water level is high, bend the brass rod on the float assembly to move the float body down approximately 1/16". Re-check again after extended operation.



METAL FINISHING STATION: MAINTENANCE

Step 1: Before beginning maintenance on the Metal Finishing Station, you must first unplug the GFI outlet from your main power source. Continue by removing the work surface from the assembly. Also make sure to turn the reservoir valve to the "off" position.

Step 2: Continue by turning the release cams and remove the clean-out access panel. Remove the mist traps and hose clean to remove any built up debris.

Step 3: Now remove the float assembly by loosening the lock down knob. The float assembly should remain attached to all hose while resting assembly over the tools edge as shown below. This should give you clear access to the main tank.

Step 4: Making sure clean out valve is in the "off" position, remove the cap from the assembly. The valve provided hooks up to a female garden hose for ease of cleanout. Turn valve lever to the "on" position and drain tank. Remove the sludge and remainder of water from the bottom of the tank, making sure not to damage the bottom of the tank while doing so. When tank is clean, turn valve back to the "off" position and re-cap assembly.

Re-assemble station and refer to set-up instructions before operating the station.

