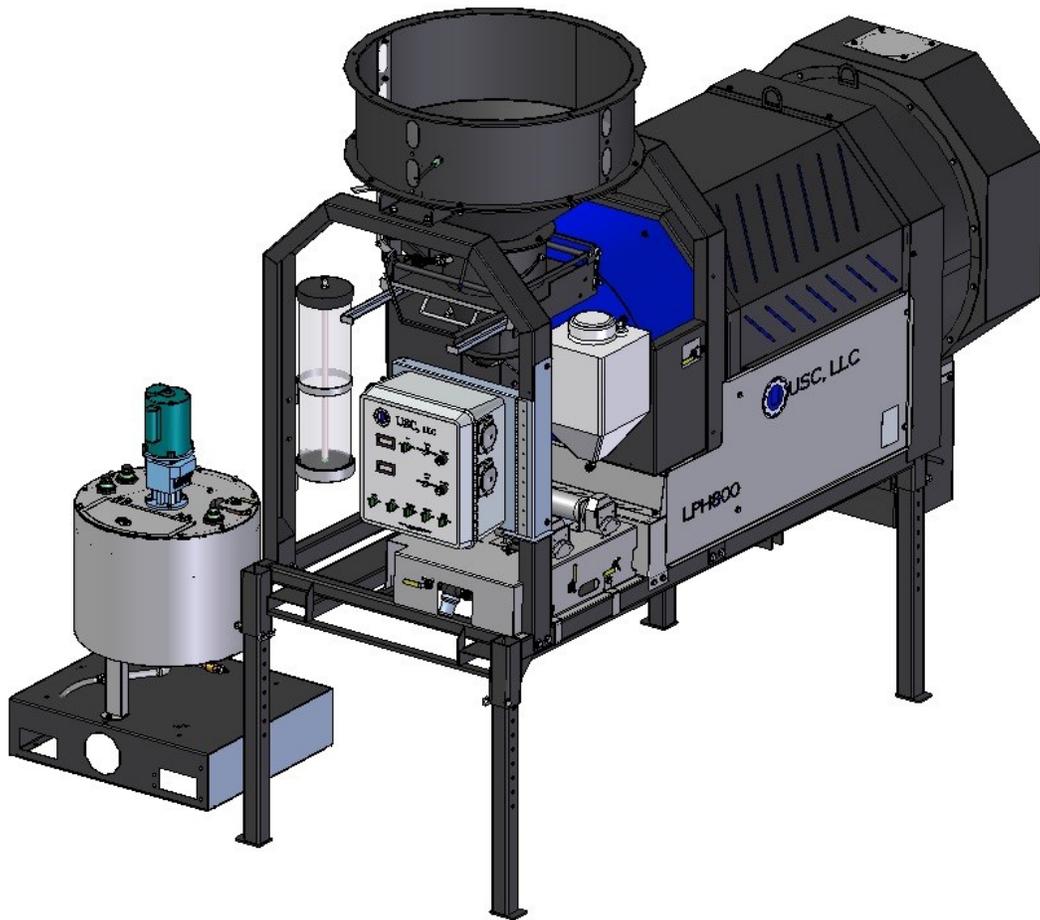




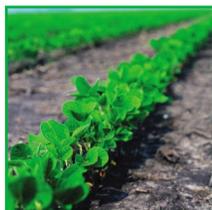
# LPH800 SEED TREATER

EQUIPMENT REVISION: 03C



## **PARTS MANUAL**

**Document: MD-09-06-5004      Revision: A      Effective Date: 07-2019**



## **INTRODUCTION**

Thank you for choosing USC, LLC for your equipment needs. We appreciate your business and will work diligently to ensure that you are satisfied with your choice.

### **OVERVIEW**

The purpose of this manual is to provide you with the parts drawings needed to maintain the LPH800 Seed Treater. It does not hold USC, LLC liable for any accidents or injuries that may occur.

The technical information provided in this document is based on extensive testing under controlled conditions at the USC research and development facility. This information is given without guarantee as the conditions of operation and storage of the equipment are beyond our control. Variables such as temperature, humidity, viscosity of chemical products and changes in seed size or variety may all effect the accuracy of application and seed coverage. Periodically check the equipment calibration while treating and make adjustments as required. This will insure the optimum seed coverage.

Replacement parts may be ordered through USC by phone at 785-431-7900. Have the serial number of the equipment when you call.

**PLEASE HAVE YOUR EQUIPMENT SERIAL NUMBER IN HAND WHEN CALLING TO ORDER PARTS.**



**Serial  
Number**

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SECTION  
A**SAFETY INSTRUCTIONS**

Every year accidents in the work place maim, kill and injure people. Although it may be impossible to prevent all accidents, with the right combination of training, operating practices, safety devices and operator vigilance, the number of accidents can be significantly reduced. The purpose of this section is to educate equipment users about hazards, unsafe practices and recommended hazard avoidance techniques.

**SAFETY WORDS AND SYMBOLS**

It is very important that operators and maintenance personnel understand the words and symbols that are used to communicate safety information. Safety words, their meaning and format, have been standardized for U.S. manufacturers and published by the American National Standards Institute (ANSI). The European Community (E.C.) has adopted a different format based on the International Standards Organization (I.S.O.) and applicable machinery directives. Both formats are presented below. Graphic symbols are not standardized but most manufacturers will use some variation of the ones seen in this manual.



Indicates an imminently hazardous situation which, if not avoided, **will** result in death or serious injury.



Indicates a potentially hazardous situation which, if not avoided, **could** result in death or serious injury.



Indicates a potentially hazardous situation which, if not avoided, **may** result in minor or moderate injury and/or property damage.



Provides additional information that the operator needs to be aware of to avoid a potentially hazardous situation.



**Mandatory Lockout Power Symbol.** Disconnect, lockout and tagout electrical and other energy sources before inspecting, cleaning or performing maintenance on this panel.



**International Safety Alert Symbol.** The exclamation point (!) surrounded by a yellow triangle indicates that an injury hazard exists. However, it does not indicate the seriousness of potential injury. The exclamation point (!) is also used with the DANGER, WARNING and CAUTION symbols so the potential injury is indicated.



**Electrocution Hazard Symbol.** This symbol indicates that an electrocution hazard exists. Serious injury or death could result from contacting high voltage.



**International Electrocution Hazard.** This symbol indicates that an electrocution hazard exists. Serious injury or death could result from contacting high voltage.

## NOTICE

Notice is used to notify people of important installation, operation or maintenance information which is not hazard related.

### LOCKOUT / TAGOUT PROCEDURES

Lockout/Tagout is the placement of a lock/tag on an energy isolating device in accordance with an established procedure. When taking equipment out of service to perform maintenance or repair work, always follow the lockout/tagout procedures as outlined in ANSI Z344.1 and/or OSHA Standard 1910.147. This standard “requires employers to establish a program and utilize procedures for affixing appropriate lockout devices or tagout devices to energy isolating devices and to otherwise disable machines or equipment to prevent unexpected energizing, start-up, or release of stored energy in order to prevent injury to employees.”

## **CONTROLLED STOP**

This is the stopping of machine motion by reducing the electrical command signal to 0 (zero) once the stop signal has been recognized. The operator initiates this stop by pressing the PAUSE button at the bottom of the main screen.

## **HAZARD REVIEW**



### **Electrocution Hazard**

Electrocution accidents are most likely to occur during maintenance of the electrical system or when working on or near exposed high voltage wiring. This hazard does not exist when the electrical power has been disconnected, properly locked, and tagged out.



### **Automatic Start Hazard**

This equipment may be controlled by an automated system and may start without warning. Failure to properly disconnect, lockout, and tagout all energy sources of remotely controlled equipment creates a very hazardous situation and could cause injury or even death. PLEASE STAY CLEAR AND BE ALERT.



**YOU** are responsible for the **SAFE** operation and maintenance of your USC, LLC equipment. **YOU** must ensure that you and anyone else who is going to operate, maintain or work around the equipment be familiar with the operating and maintenance procedures and related **SAFETY** information contained in this manual. This manual will take you step-by-step through your working day and alert you to good safety practices that should be adhered to while operating the equipment.

Remember, **YOU** are the key to safety. Good safety practices not only protect you, but also the people around you. Make these practices a working part of your safety program. Be certain that **EVERYONE** operating this equipment is familiar with the recommended operating and maintenance procedures and follows all the safety precautions. Most accidents can be prevented. Do not risk injury or death by ignoring good safety practices.

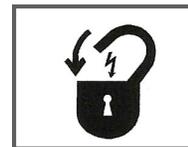
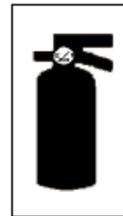
- Equipment owners must give operating instructions to operators or employees before allowing them to operate the machine, and at least annually thereafter per OSHA (Occupational Safety and Health Administration) regulation 1928.57.
- The most important safety device on this equipment is a **SAFE** operator. It is the operator's responsibility to read and understand **ALL** Safety and Operating instructions in the manual and to follow them. All accidents can be avoided.

LPH800 TREATER

- A person who has not read and understood all operating and safety instructions is not qualified to operate the machine. An untrained operator exposes himself and bystanders to possible serious injury or death.
- Do not modify the equipment in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the equipment.
- Think SAFETY! Work SAFELY!

**GENERAL SAFETY**

1. Read and understand the operator's manual and all safety signs before operating, maintaining, adjusting or unplugging the equipment .
2. Only trained persons shall operate the equipment . An untrained operator is not qualified to operate the machine.
3. Have a first-aid kit available for use should the need arise, and know how to use it.
4. Provide a fire extinguisher for use in case of an accident. Store in a highly visible place.
5. Do not allow children, spectators or bystanders within hazard area of machine.
6. Wear appropriate protective gear. This includes but is not limited to:
  - A hard hat
  - Protective shoes with slip resistant soles
  - Protective goggles
  - Heavy gloves
  - Hearing protection
  - Respirator or filter mask
7. Place all controls in neutral or off, stop motor, and wait for all moving parts to stop. Then disable power source before servicing, adjusting, repairing, or unplugging.
8. Review safety related items annually with all personnel who will be operating or maintaining the equipment.



**OPERATING SAFETY:**

1. Read and understand the operator's manual and all safety signs before using.
2. Disconnect and disable electrical supply completely and wait for all moving parts to stop before servicing, adjusting, repairing or unplugging.
3. Clear the area of bystanders, especially children, before starting.
4. Be familiar with the machine hazard area. If anyone enters hazard area, shut down machine immediately. Clear the area before restarting.
5. Keep hands, feet, hair and clothing away from all moving and/or rotating parts.
6. Stay away from overhead obstructions and power lines during operation and transporting. Electrocutation can occur without direct contact.
7. Do not operate machine when any guards are removed.
8. Inspect welds and repair if needed.

**MAINTENANCE SAFETY**

1. Review the operator's manual and all safety items before working with, maintaining or operating the equipment .
2. Place all controls in neutral or off, stop motors, disable power source, and wait for all moving parts to stop before servicing, adjusting, repairing or unplugging.
3. Follow good shop practices:

Keep service area clean and dry.

Be sure electrical outlets and tools are properly grounded.

Use adequate light for the job at hand.

4. Keep hands, feet, hair and clothing away from all moving and/or rotating parts.
5. Clear the area of bystanders, especially children, when carrying out any maintenance and repairs or making any adjustments.
6. Before resuming work, install and secure all guards when maintenance work is completed.
7. Keep safety signs clean. Replace any sign that is damaged or not clearly visible.



## **SAFETY LABELS**

1. Keep safety labels clean and legible at all times.
2. Replace safety labels that are missing or have become illegible.
3. Replaced parts that displayed a safety label should also display the current label.
4. Replacement safety labels are available. Contact USC at (785) 431-7900 .

### **How to Install Safety Labels:**

- Be sure that the installation area is clean and dry.
- Be sure temperature is above 50°F (10°C).
- Decide on the exact position before you remove the backing paper.
- Remove the smallest portion of the split backing paper.
- Align the sign over the specified area and carefully press the small portion with the exposed sticky backing in place.
- Slowly peel back the remaining paper and carefully smooth the remaining portion of the sign in place.
- Small air pockets can be pierced with a pin and smoothed out using the piece of sign backing paper.



Located on the USC equipment you will find safety labels. Always be sure to read and follow all directions on the labels.



Guards provided with USC equipment are to remain in place during operation.

Think **SAFETY!** Work **SAFELY!**

REMEMBER—If Safety Labels have been damaged, removed, become illegible, or parts replaced without safety labels, new labels must be applied. New safety labels are available from USC at (785) 431-7900.

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Part # 09-02-0003



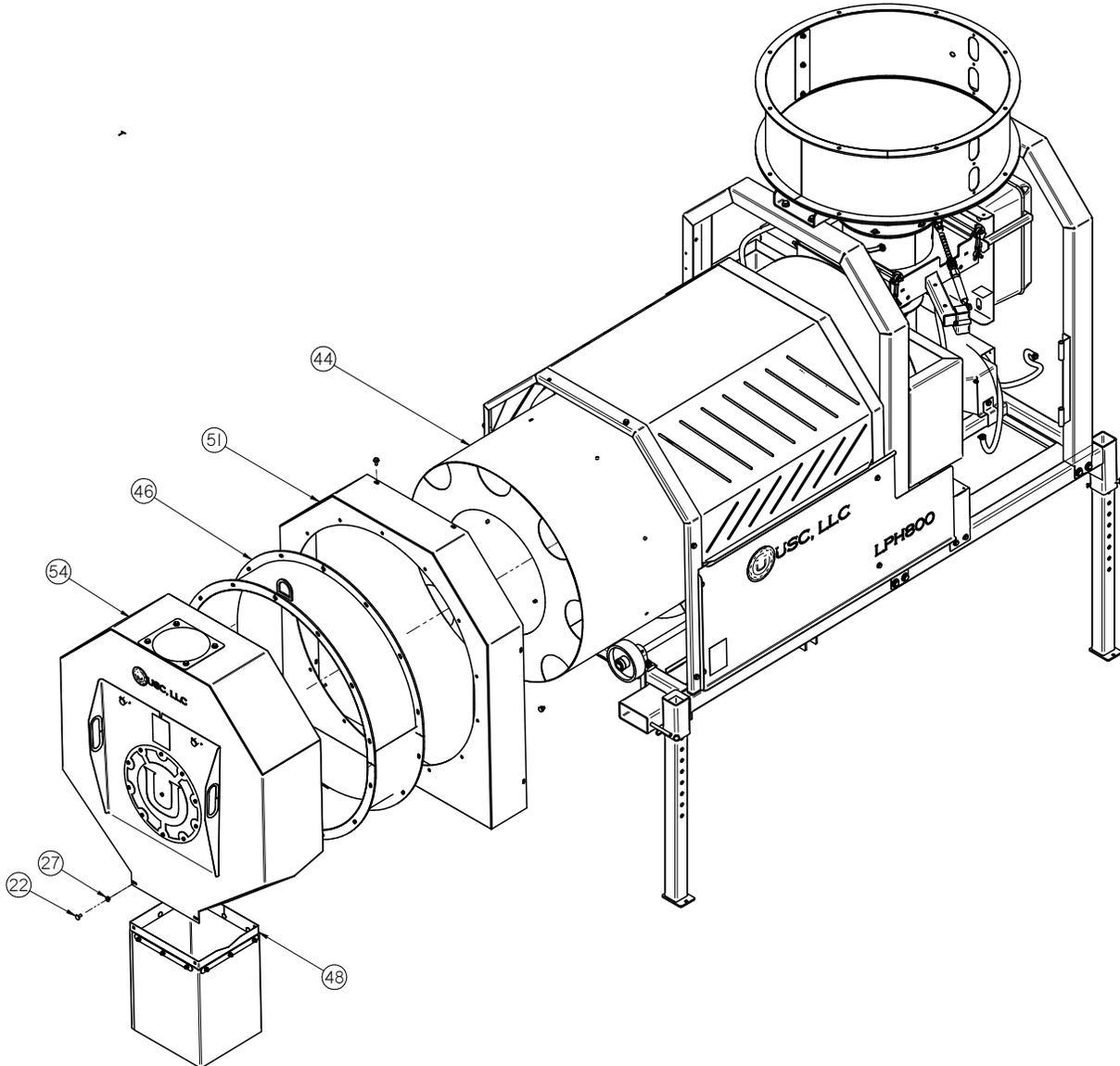
Part # 09-02-0002



Both Sides

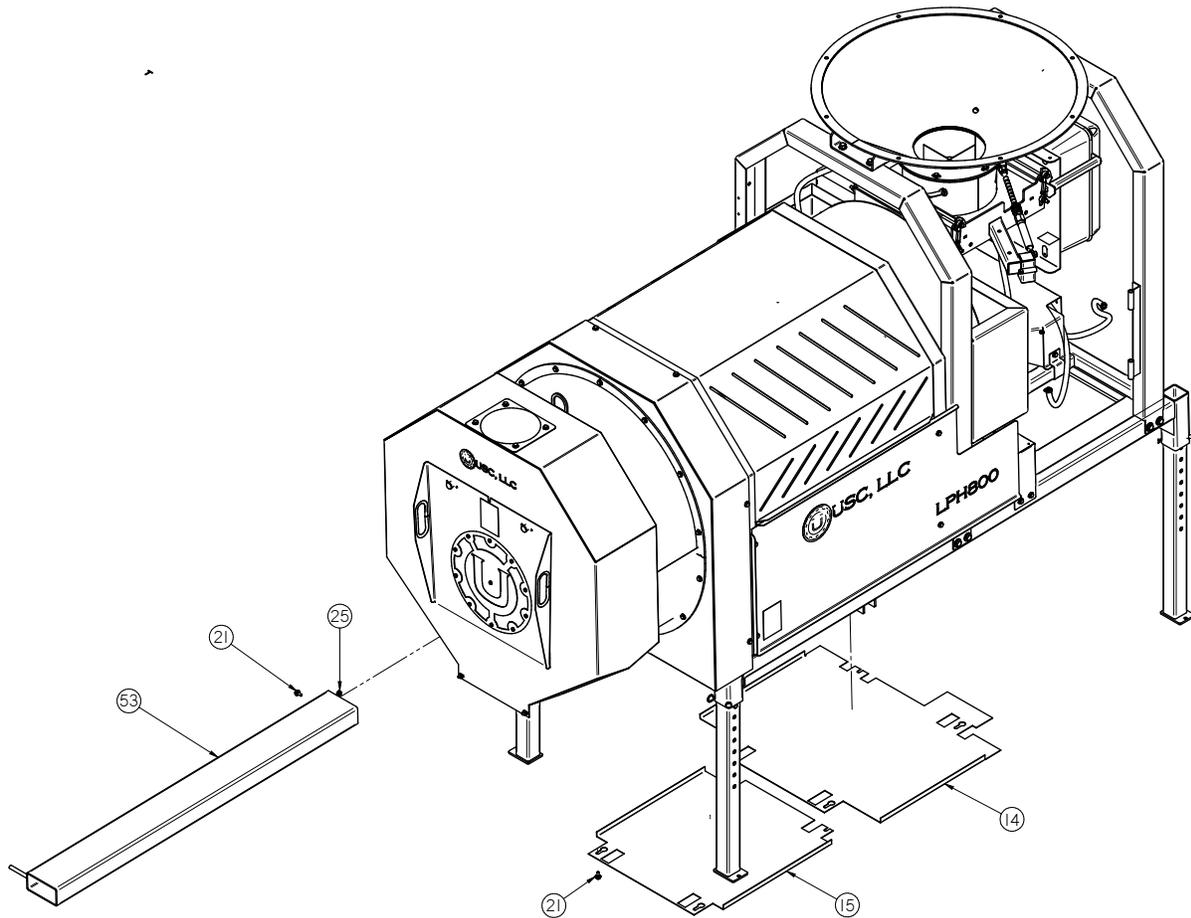
# MECHANICAL DRAWINGS SECTION B

## LPH800 TREATER ASSEMBLY (Discharge End)



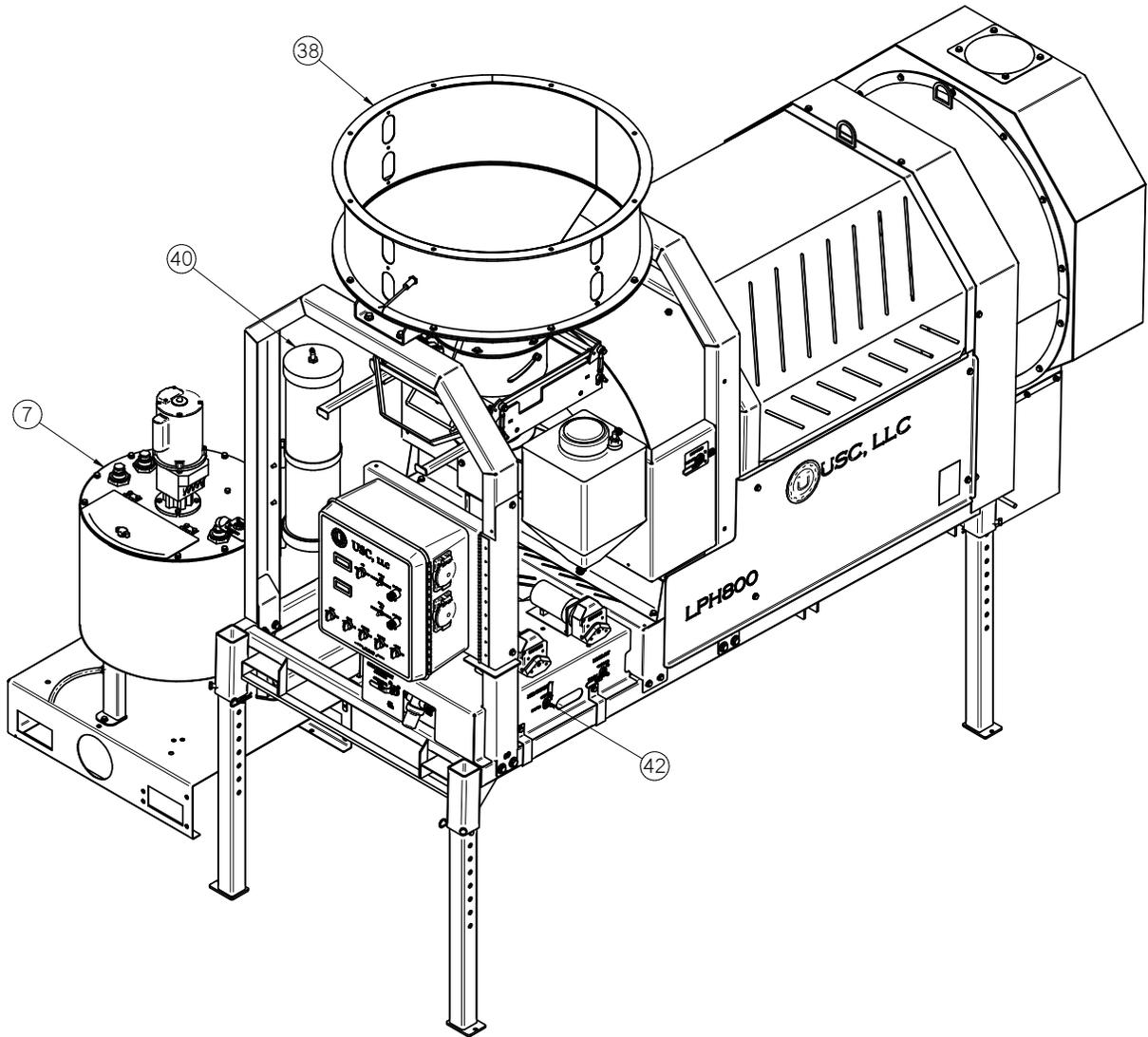
LPH800 TREATER

**LPH800 TREATER ASSEMBLY (Forklift Pockets and Bottom Guards)**



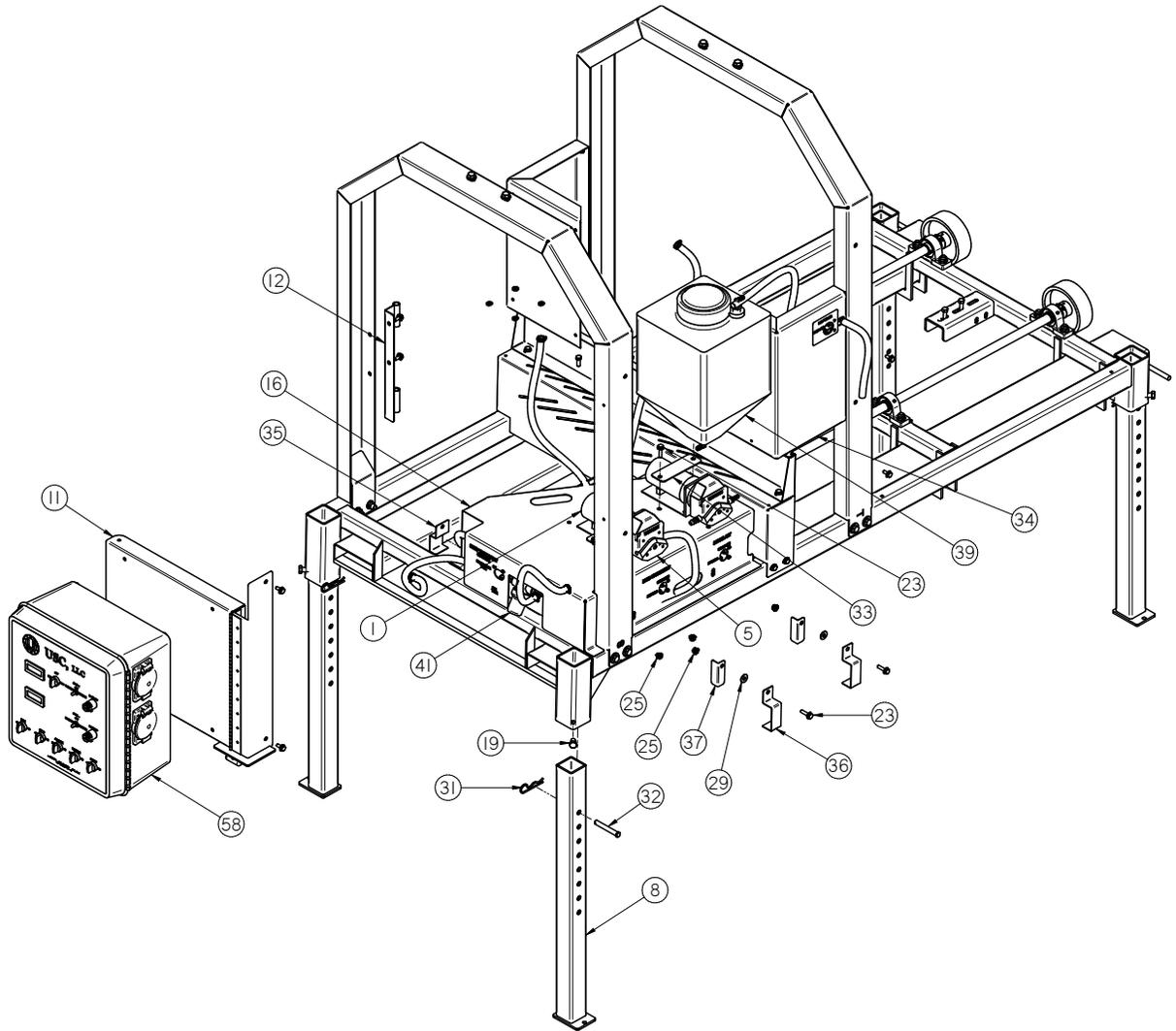
LPH800 TREATER

**LPH800 TREATER ASSEMBLY**



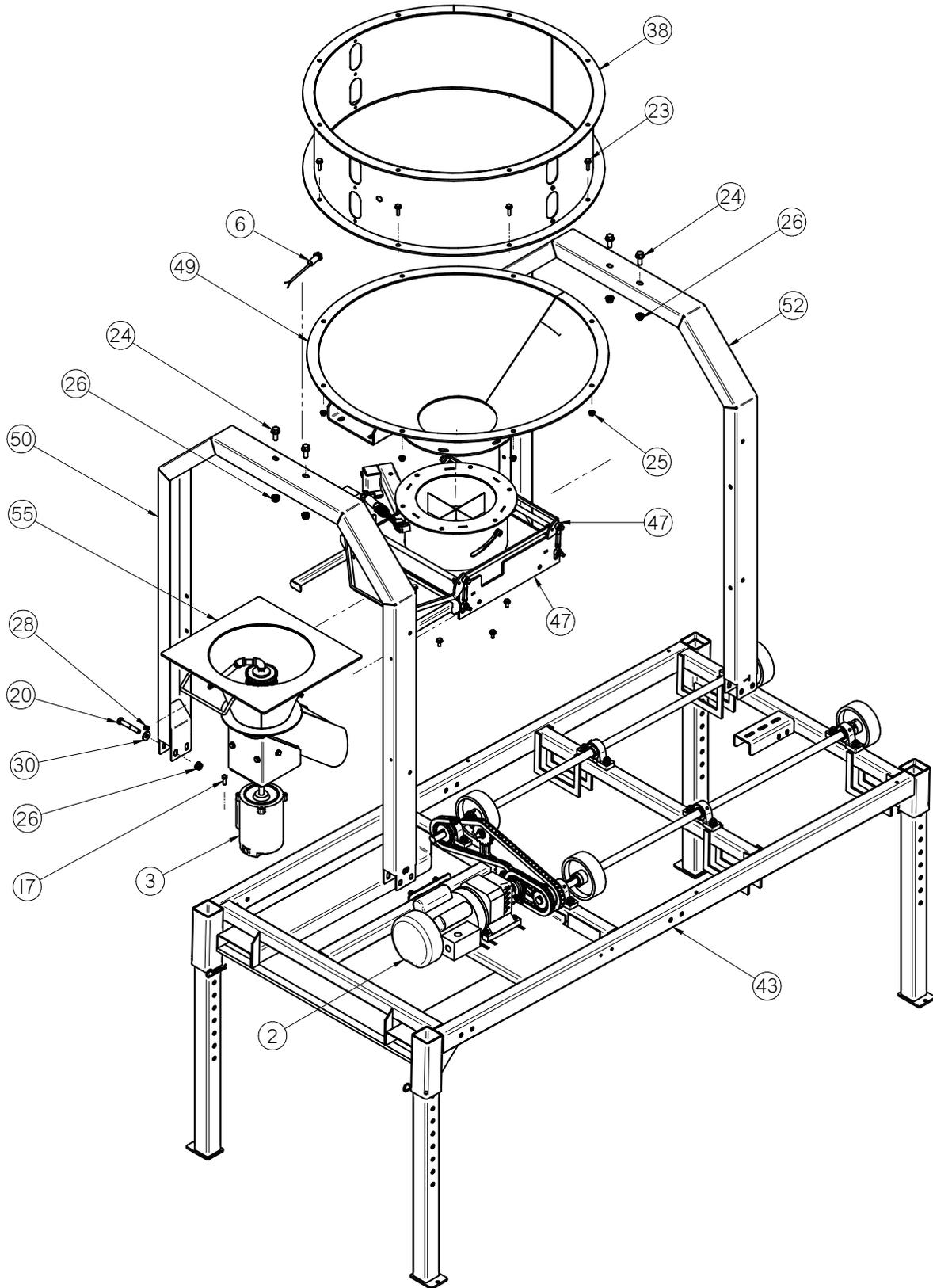
LPH800 TREATER

**LPH800 TREATER ASSEMBLY (Control Panel and Liquid System)**

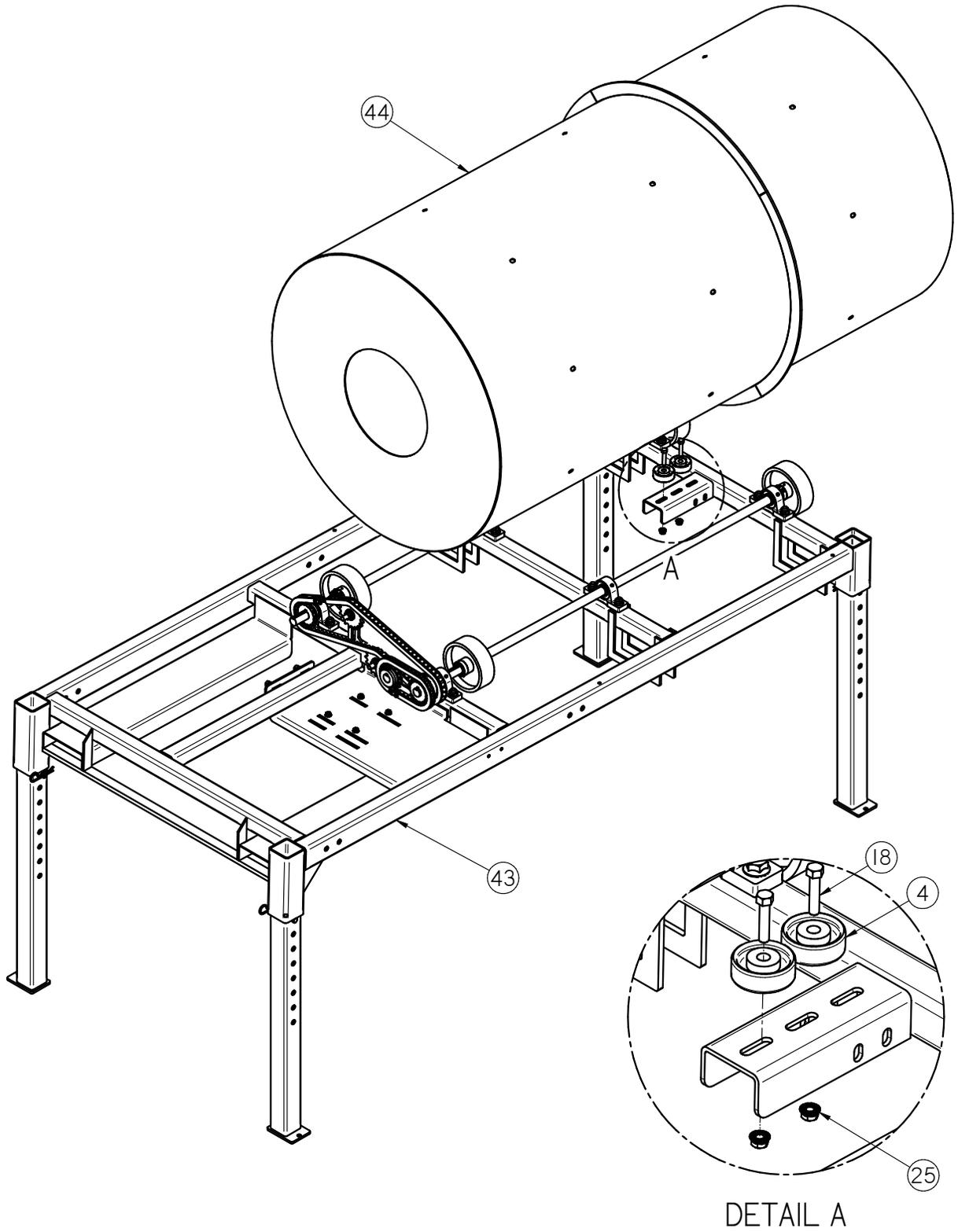


LPH800 TREATER

**LPH800 TREATER ASSEMBLY (Inlet and Atomizer Chamber)**



LPH800 TREATER  
**LPH800 TREATER ASSEMBLY (Drum)**



## LPH800 TREATER

**LPH800 TREATER ASSEMBLY**

Item #	Part #	Description	Qty
1	01-01-0010	MTR .1HP 6-600RPM 90VDC	1
2	01-01-0100	MTR 1.5HP 1725RPM TEFC 56C 1PH	1
3	01-01-0104	MTR .33HP 1725RPM 56C 1PH TENV	1
4	01-06-0004	WHL GUIDE .375ID X 2.50 X .875 NPRN	2
5	02-01-0005	PUMP HEAD PRST MF LS 115V 600RPM	1
6	03-10-0051	SENS PROX 24-240 AC AB 875CPG8N18A2	2
7	04-03-0199	TANK STAND 30GAL SS LPH	1
8	05-05-0001	WDMT ADJ TREATER LEG	4
9	05-06-0093	TOP SHD CHAIN GRD GALV	1
10	05-06-0094	FRNT SHD, CHAIN GRD GALV	1
11	05-07-0745	WDMT PNL MNT LPH TRTR	1
12	05-07-0746	WDMT CAL TUBE MNT LPH	1
13	05-10-3931	GRD DRUM INLET LPX BOLTED	1
14	05-10-3950	GRD DRUM BTM FRNT HALF LPX 6FT	1
15	05-10-3951	GRD DRUM BTM REAR HALF LPX 6FT	1
16	05-10-4300	PUMP MNT LPH800-2000	1
17	06-01-0016	BOLT .375-16 X 1.00 ZP GR5	8
18	06-01-0019	BOLT .375-16 X 1.75 ZP GR5	2
19	06-01-0024	BOLT .500-13 X .750 ZP GR5	4
20	06-01-0029	BOLT .500-13 X 3.25 ZP GR5	8
21	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	72
22	06-01-0171	BOLT CRG .3125-18X.750 ZP SHORT NECK	4
23	06-01-0189	BOLT FLG .375-16 X 1.250 ZP GR5	14
24	06-01-0232	BOLT FLG .500-13 X 1.250 ZP GR5	4
25	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	56
26	06-03-0015	NUT LOCK FLG .500-13 ZP GR5	12
27	06-03-0019	NUT LOCK FLG .3125-18 ZP GR5	4
28	06-04-0003	WSHR LOCK SPLT .375 ZP	8
29	06-05-0004	WSHR FLAT .375 ZP	2
30	06-05-0005	WSHR FLAT .500 ZP	8
31	06-09-0002	PIN CLIP HITCH 3.063 SIZE 9 ZP	4
32	06-09-0005	PIN CLVS .500 X 3.50 PLN	4
33	102276	BRKT PUMP MOUNT PUMPSTD	2
34	103739	RIGHT INLET BRACKET GUARD	1
35	10373A	PUMP MNT CLAMP	1

LPH800 TREATER

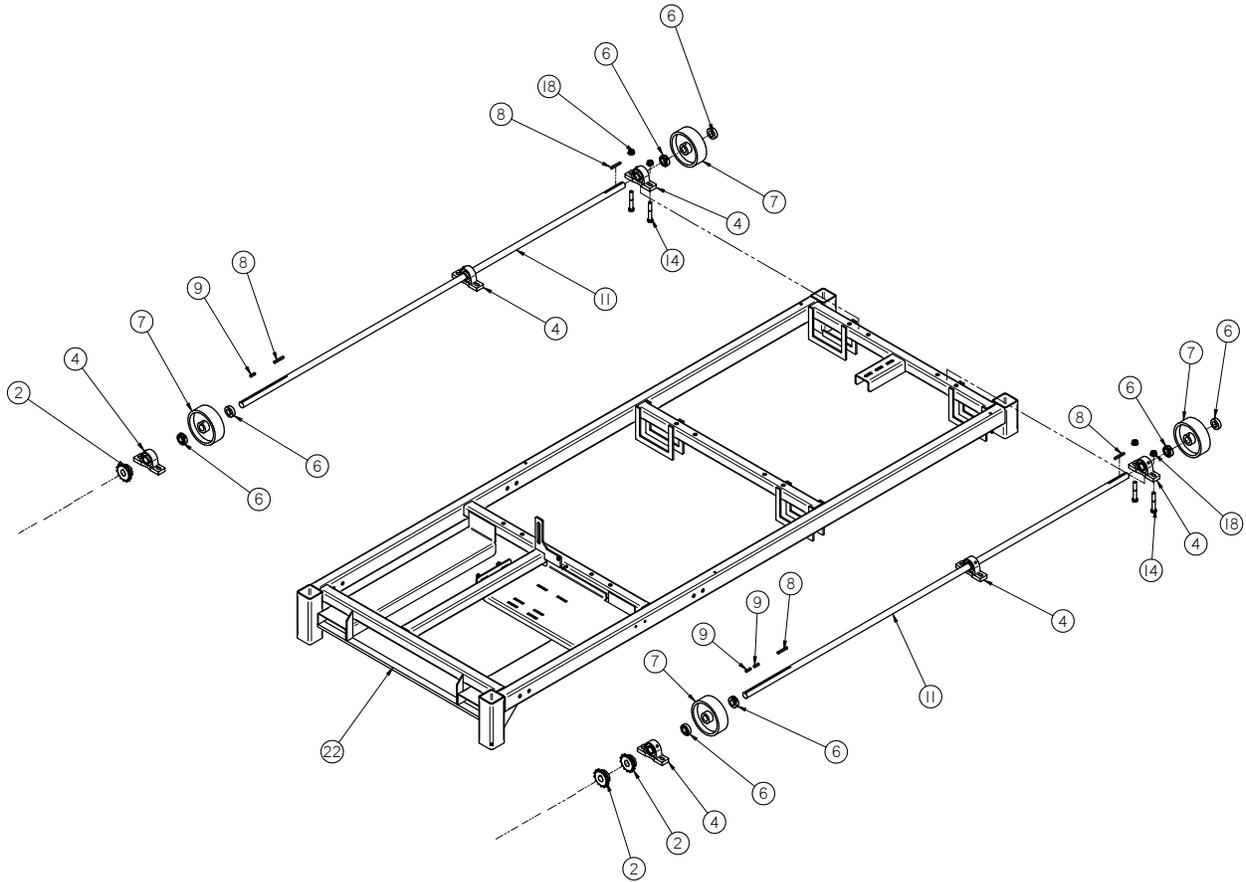
**LPH800 TREATER ASSEMBLY**

Item #	Part #	Description	Qty
36	10373B	PUMP MNT CLAMP	2
37	104D62	PUMP MNT CLAMP BACK	2
38	13-04-0043	ASSY EXT HOPP LP800-2000 12IN	1
39	13-04-0088	KIT INOC LP800 2010-2011	1
40	13-04-0208	ASSY CALB TUBE LPH	1
41	13-05-0039	KIT VLV ST SOURCE	1
42	13-05-0040	KIT VLV ST PROCESS	1
43	18-01-0011	ASSY BASE FR LPX 6FT	1
44	18-01-0042	ASSY DRUM LPX800 6FT CS	1
45	18-01-0050	WDMT DRUM GRD LPX 6 FT	1
46	18-01-0054	WDMT DRUM EXT GRD LPX 6-8-10FT	1
47	18-01-0061	ASSY ADJ CHMBR LPX800 CS	1
48	18-01-0072	ASSY END CHUTE EXT LPX	1
49	18-01-0080	WDMT INLET HOPP LPX	1
50	18-01-0081	WDMT HEADACHE RACK SHORT	1
51	18-01-0082	WDMT DRUM EXT GRD MNT LPX 6-8-10FT	1
52	18-01-0083	WDMT HEADACHE RACK TALL	1
53	18-01-0106	WDMT FORKLIFT PCKT EXT 6FT	2
54	18-01-0115	ASSY END CHUTE LPX CS	1
55	18-01-0279	ASSY ATMZR LPH800 CS	1
56	18-01-0280	ASSY GRD DRUM LPH800 RT 6FT GALV	1
57	18-01-0281	ASSY GRD DRUM LPH800 LT 6FT GALV	1
58	SEE TABLE 1	LPH800 MANUAL CONTROL PANEL	1

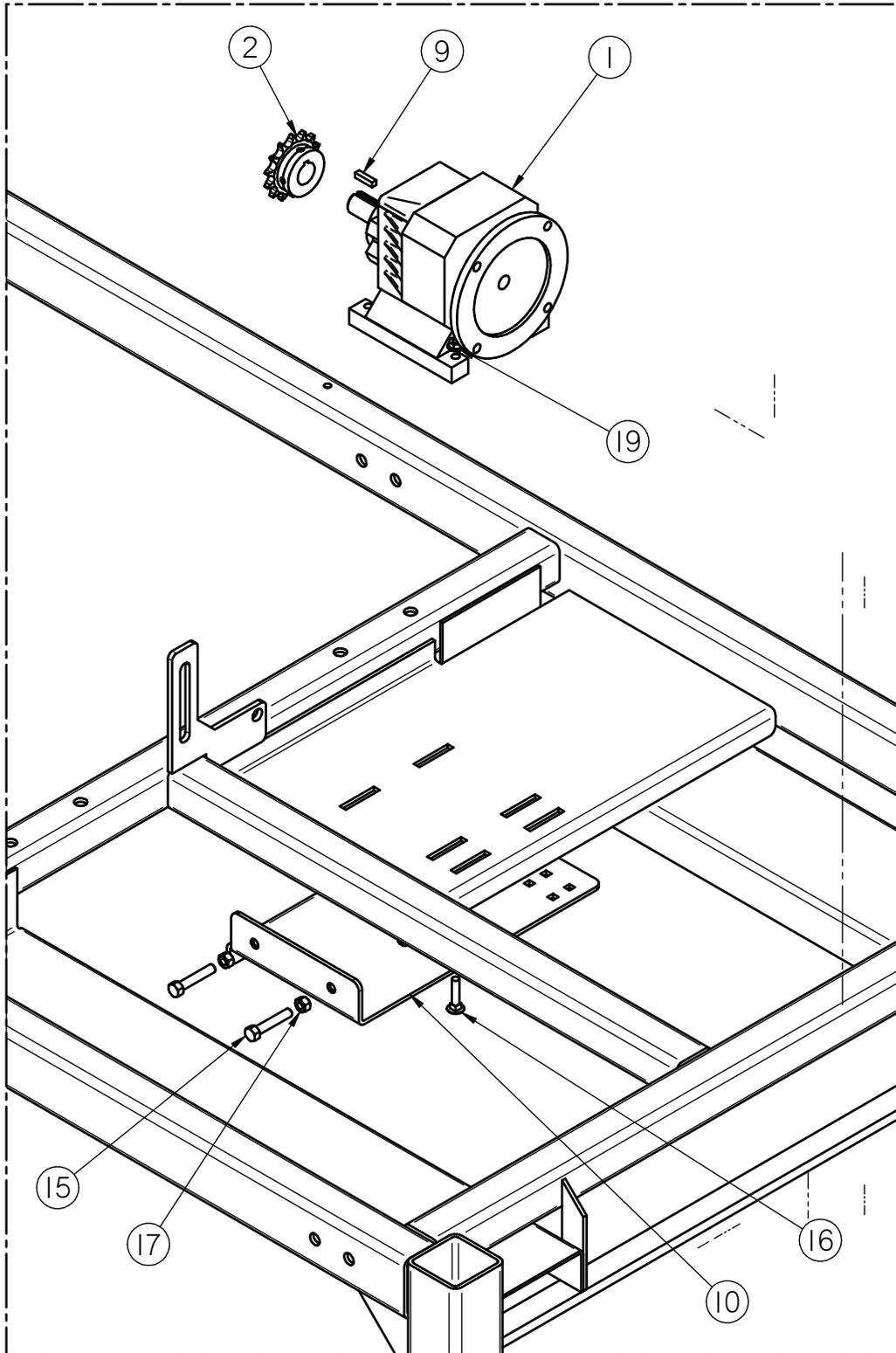
TABLE 1	
Part #	Description
03-12-0350	LPH800 CONTROL PANEL, 230V 1PH
03-12-0351	LPH800 CONTROL PANEL, 230V 3PH
03-12-0352	LPH800 CONTROL PANEL, 460V 3PH

LPH800 TREATER

**LPH800 BASE FRAME ASSEMBLY (18-01-0011 REV A)**

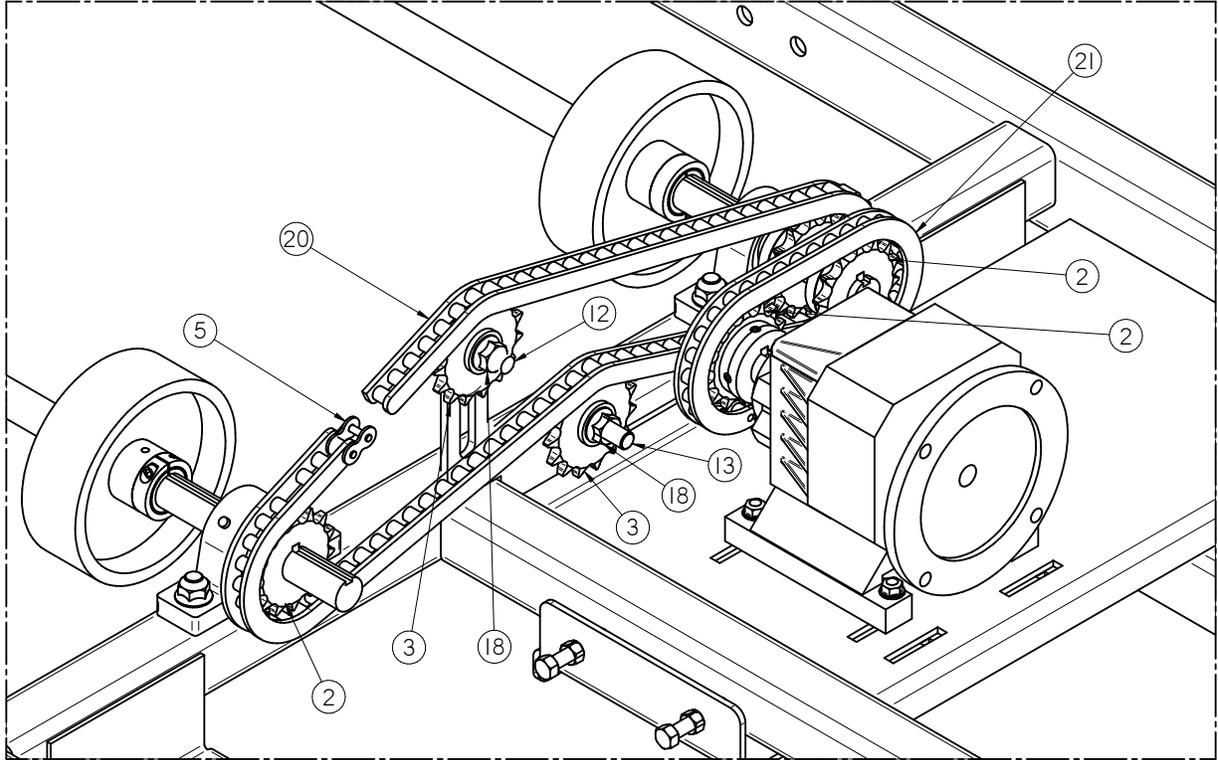


**LPH800 BASE FRAME ASSEMBLY (18-01-0011 REV A)**



LPH800 TREATER

**LPH800 BASE FRAME ASSEMBLY (18-01-0011 REV A)**



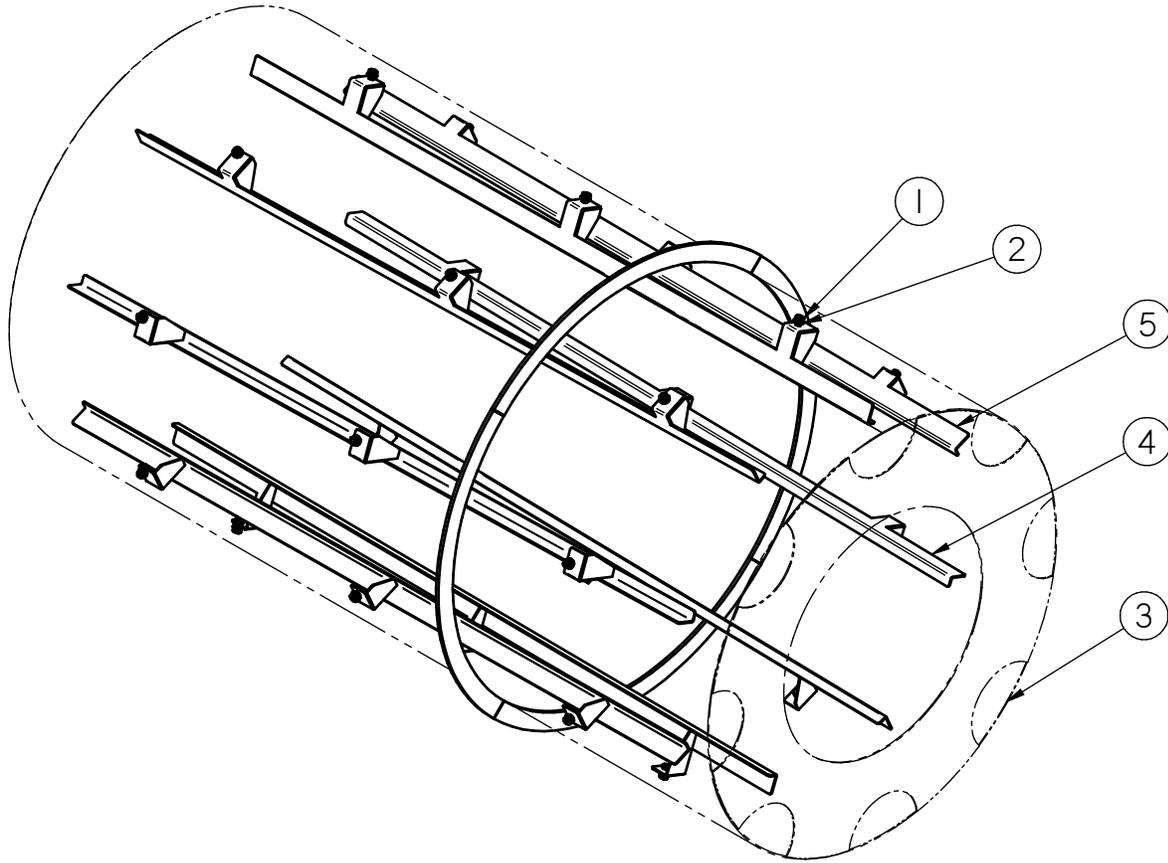
## LPH800 TREATER

**LPH800 BASE FRAME ASSEMBLY (18-01-0011 REV A)**

Item #	Part #	Description	Qty
1	01-01-0101	GBOX IL 56C 16.2:1 GR B1 FOOT MNT	1
2	01-02-0093	SPROCKET # 50 14T 1.00 IN BORE TYPE B	4
3	01-02-0095	SPKT 17 T 50P .500 ID IDLER	2
4	01-03-0036	BRG PLW 1.00ID STSC SEALED	6
5	01-04-0005	#50 CNTG LINK	2
6	01-05-0008	SHAFT CLR 1.00ID SPLIT	8
7	01-06-0002	WHL DRV 6 X 2 X 1.00ID .250KWY	4
8	01-10-0003	KEY .250 X 2.00 CS	4
9	01-10-0004	KEY .250 X 1.00 CS	4
10	05-04-0067	WDMT DRUM DRV ADJ PLT	1
11	05-11-0003	DRUM DRIVE SHAFT LPX	2
12	06-01-0026	BOLT CRG .500-13 X 2.00 ZP GR5	1
13	06-01-0027	BOLT .500-13 X 2.00 ZP GR5	1
14	06-01-0029	BOLT .500-13 X 3.25 ZP GR5	12
15	06-01-0137	BOLT .375-16 X 2.00 ZP GR5 FULL THRD	2
16	06-01-0172	BOLT CRG .313-18 X 1.75 ZP GR5	4
17	06-02-0003	NUT FULL .375-16 ZP GR5	2
18	06-03-0015	NUT LOCK FLG .500-13 ZP GR5	14
19	06-03-0019	NUT, FLG .3125-18 UNC ZP GRADE 5	4
20	13-05-0156	#50 CHAIN 84LINKS	1
21	13-05-0157	#50 CHAIN -- 32 LINKS	1
22	18-01-0007	WDMT BASE FRAME LPX	1

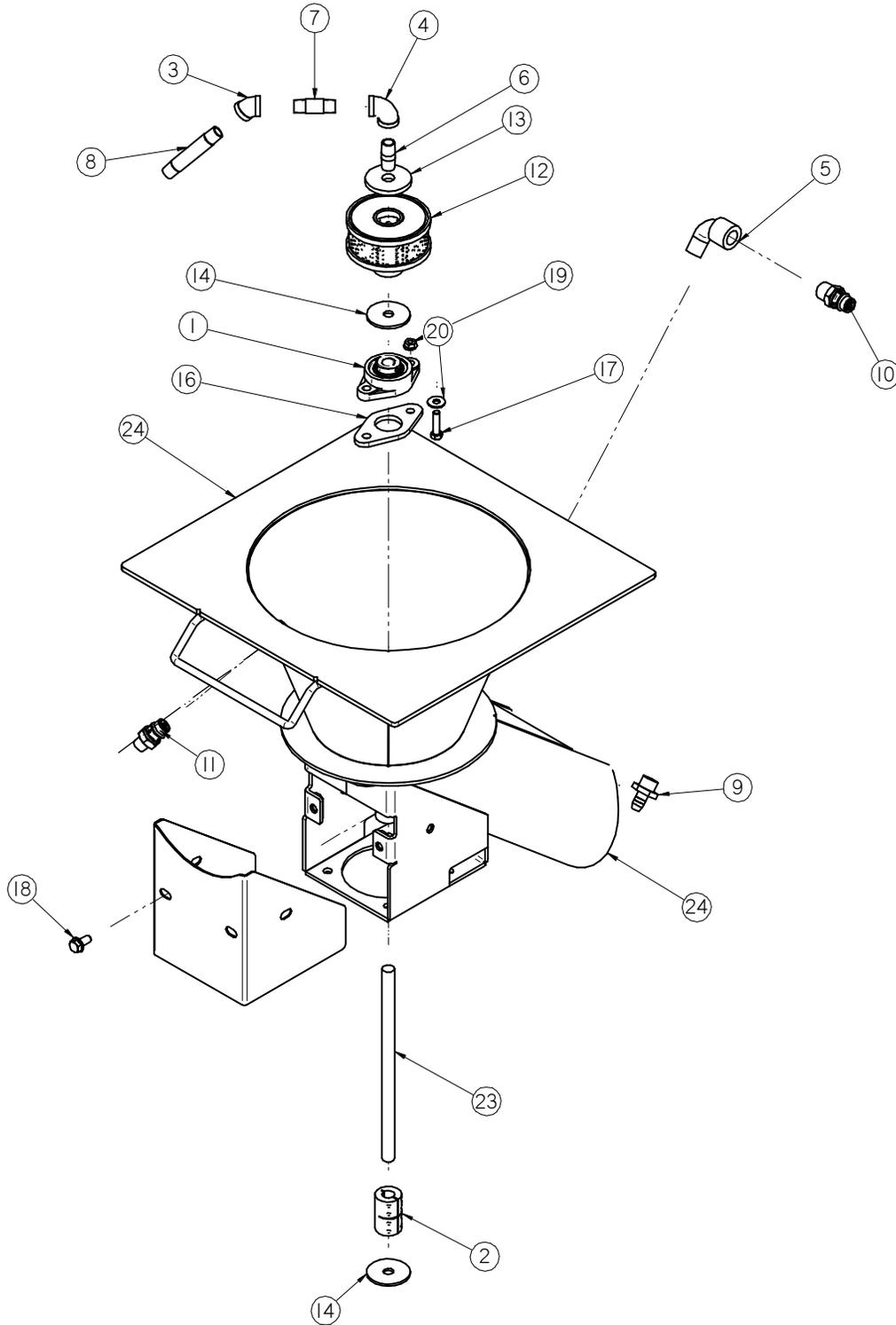
LPH800 TREATER

**LPH800 DRUM ASSEMBLY (18-01-0042 REV B)**



Item #	Part #	Description	Qty
1	06-03-0014	NUT LOCK FLG .375-16 ZP GR5	24
2	06-04-0013	WSHR SS BONDED SEALING .375 ID	24
3	18-01-0511	WDMT DRUM LPX800 6FT CS WR	1
4	18-01-0026	WDMT DRUM PDL TALL 6FT CS	4
5	18-01-0034	WDMT DRUM PDL SHORT 6FT CS	4

**LPH800 ATOMIZER ASSEMBLY (18-01-0279 REV B)**

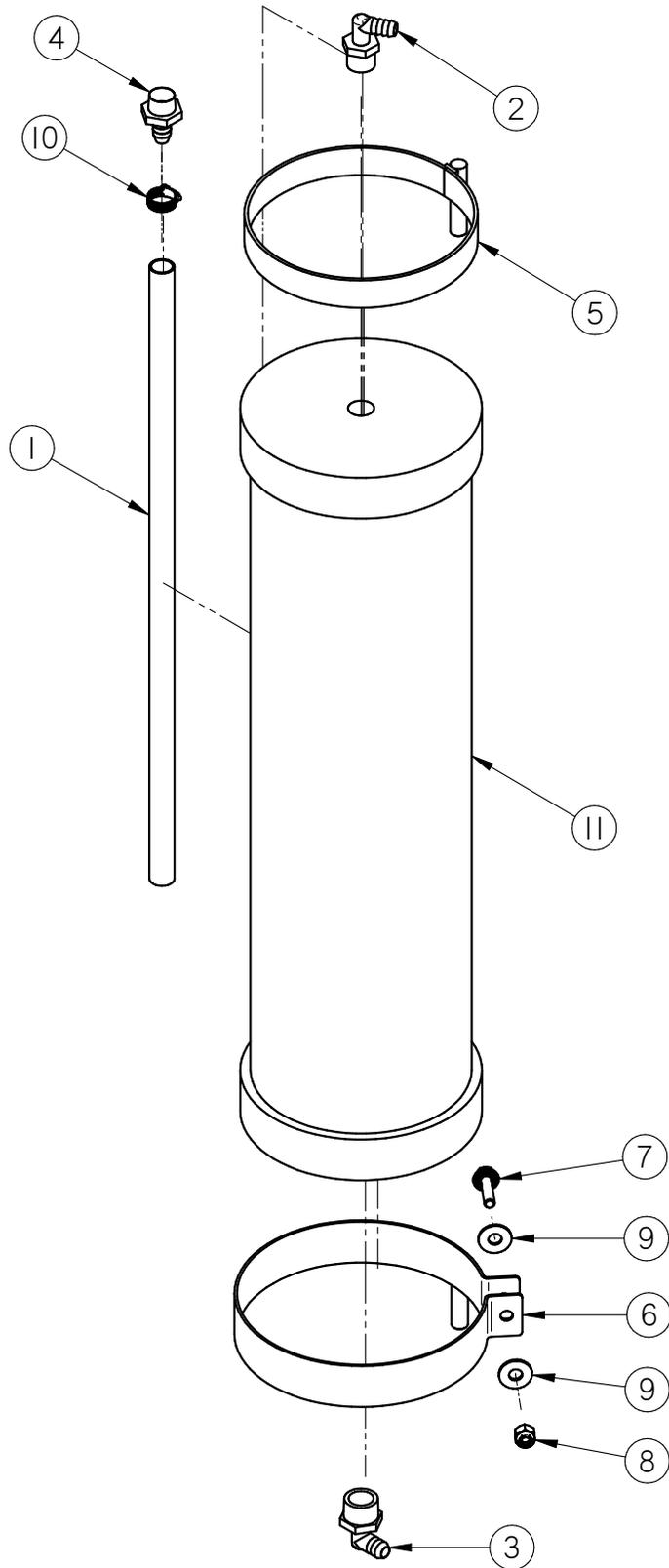


## LPH800 TREATER

**LPH800 ATOMIZER ASSEMBLY (18-01-0279)**

Item #	Part #	Description	Qty
1	01-03-0002	BRG FLG MNT .625ID 3.875 BASE	1
2	01-07-0027	CPLG CLPN .625 X .625 SPLT CS	1
3	02-06-0007	FTTG 45 DEG .375NPT SS	1
4	02-06-0008	FTTG 90 DEG .375NPT FM SS	1
5	02-06-0017	FTTG 90 DEG STRT .500NPT PPE BLK	1
6	02-07-0002	FTTG NIP .375 NPT X 1.50 TBE SS	1
7	02-07-0003	FTTG NIP .375 NPT X 2.00 TBE SS	1
8	02-07-0005	FTTG NIP .375 NPT X 3.50 TBE SS	1
9	02-08-0007	FTTG STGHT .500HB X .500NPT ML NYL	1
10	02-15-0014	FTTG CPLG .500 NPT QCK DISC INSERT	1
11	02-15-0037	FTTG CPLG .375 NPT QCK DISC INSERT	1
12	04-02-0004	ASSY ATMZR HEAD COT	1
13	05-10-0360	DISC STD ATMZR HEAD CVR	1
14	05-10-0805	DISC ATMZR MTR	2
15	05-10-0822	CVR ATMZR DRV LP800	1
16	05-10-2462	SEAL RBBR .625 FLG BRG	1
17	06-01-0102	BOLT .313-18 X 1.25 ZP GR5	2
18	06-01-0124	BOLT FLG .375-16 X .750 ZP GR5	4
19	06-03-0019	NUT LOCK FLG .313-18 ZP GR5	2
20	06-05-0003	WSHR FLAT .313 ZP	2
21	09-01-0107	LBL ATWK PATENT DECAL ROT ATOM	1
22	09-02-0004	ATWK LBL GRS 40HRS	1
23	102186	SHAFT DRV ATMZR LPX800	1
24	18-01-0063	WDMT ATMZR LPX800 CS	1

**LPH CALIBRATION TUBE ASSEMBLY (13-04-0208 REV A)**



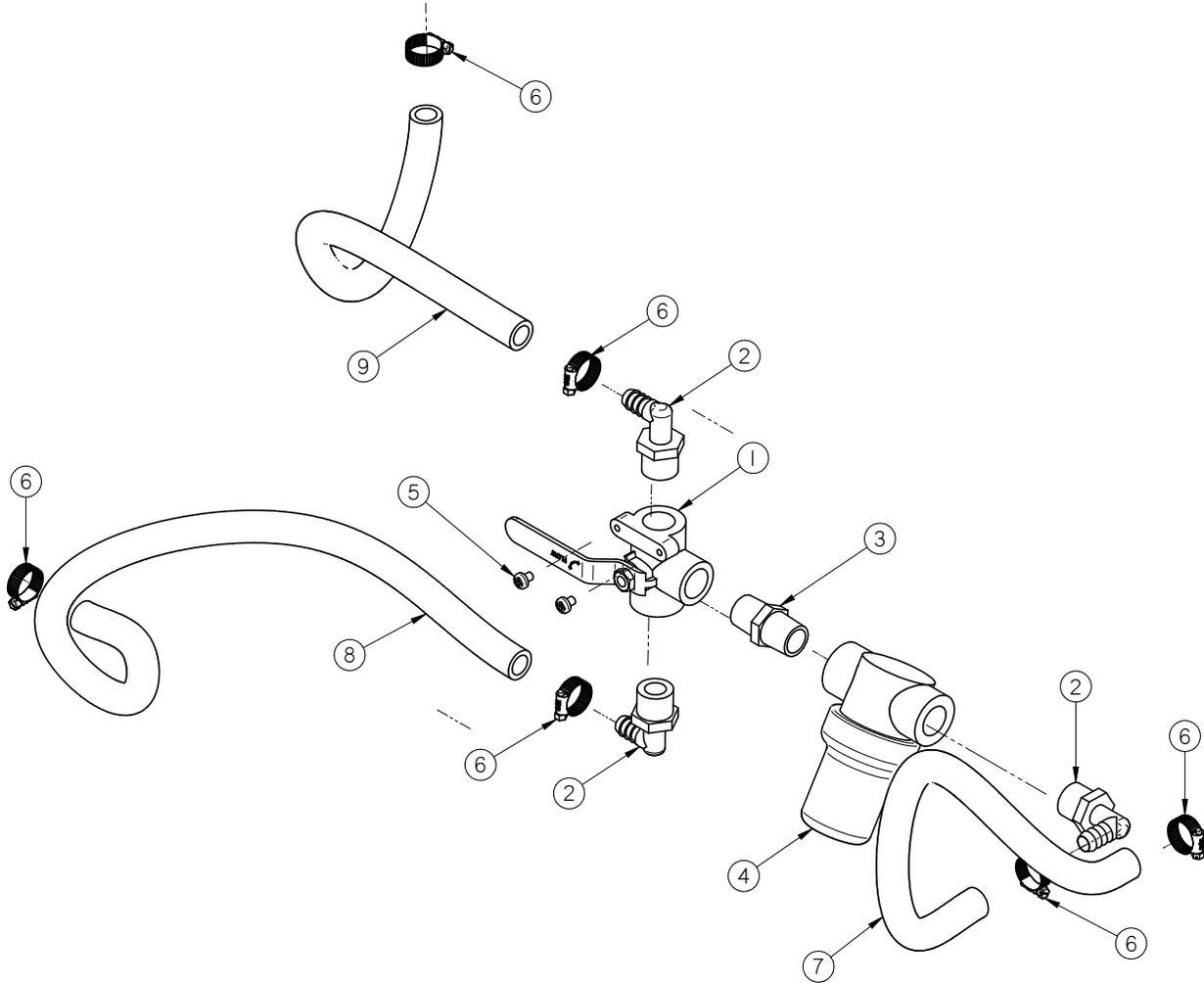
LPH800 TREATER

**LPH CALIBRATION TUBE ASSEMBLY (13-04-0208 REV A)**

Item #	Part #	Description	Qty
1	02-03-0005	TUBE,CALIBRATION TUBE INSIDE	1
2	02-06-0010	FTTG 90 DEG .500HB X .500NPT ML NYL	1
3	02-06-0011	FTTG 90 DEG .500HB X .750NPT ML NYL	1
4	02-08-0007	FTTG STGHT .500HB X .500NPT ML NYL	1
5	05-08-0006	WDMT,INOC.BRK,SM	1
6	05-08-0007	WDMT,BRK,INOC LG	1
7	06-01-0189	BOLT FLG .375-16 X 1.250 ZP GR5	1
8	06-03-0003	NUT NYL LOCK .375-16 ZP GR5	1
9	06-05-0004	WSHR FLAT .375 ZP	2
10	06-07-0006	CLMP HOSE .500 TO .906 X .313W ZP	1
11	07-02-0006	CALIBRATION TUBE,10K ML - 2005	1

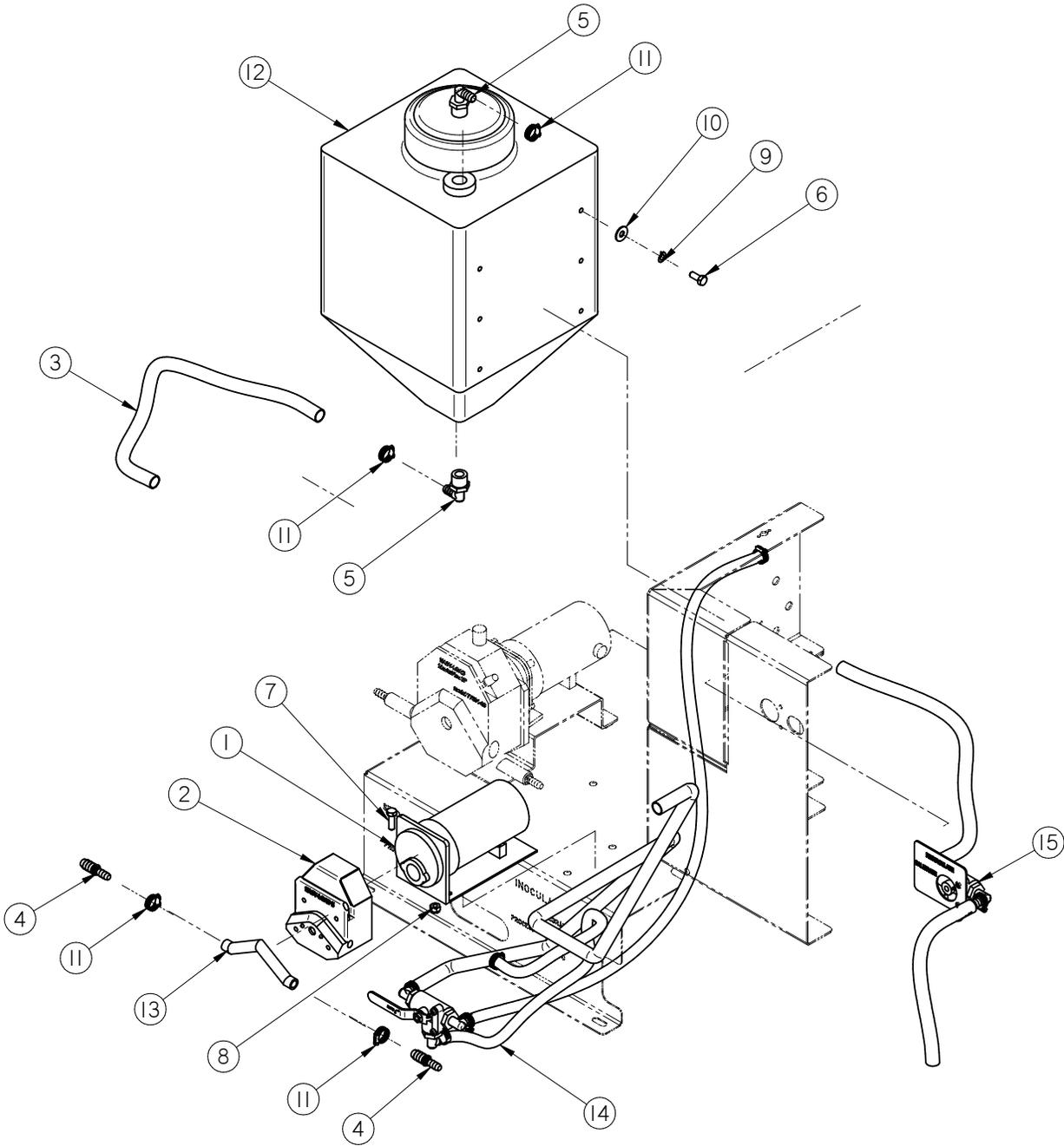
LPH800 TREATER

**SOURCE VALVE & FILTER ASSEMBLY (13-05-0039 REV B)**



Item #	Part #	Description	Qty
1	02-02-0007	.500-14 NPT 3-WAY VALVE	1
2	02-06-0010	FTTG 90 DEG .500HB X .500NPT ML NYL	3
3	02-07-0009	FTTG NIP .500 NPT X 1.75 TBE BP	1
4	02-12-0002	FLTR TEE PPE .500 NPT 16 MESH LRG	1
5	06-06-0008	SCRW MACH 10-24 X .250 PHLP PHD ZP	2
6	06-07-0006	CLMP HOSE .500 TO .906 X .313W ZP	6
7	13-05-0024	HOSE .500 RNT 12IN	1
8	13-05-0025	HOSE .500 RNT 20IN	1
9	13-05-0026	HOSE .500 RNT 22IN	1

**LPH800 INOCULANT KIT ASSEMBLY (13-04-0088 REV A)**



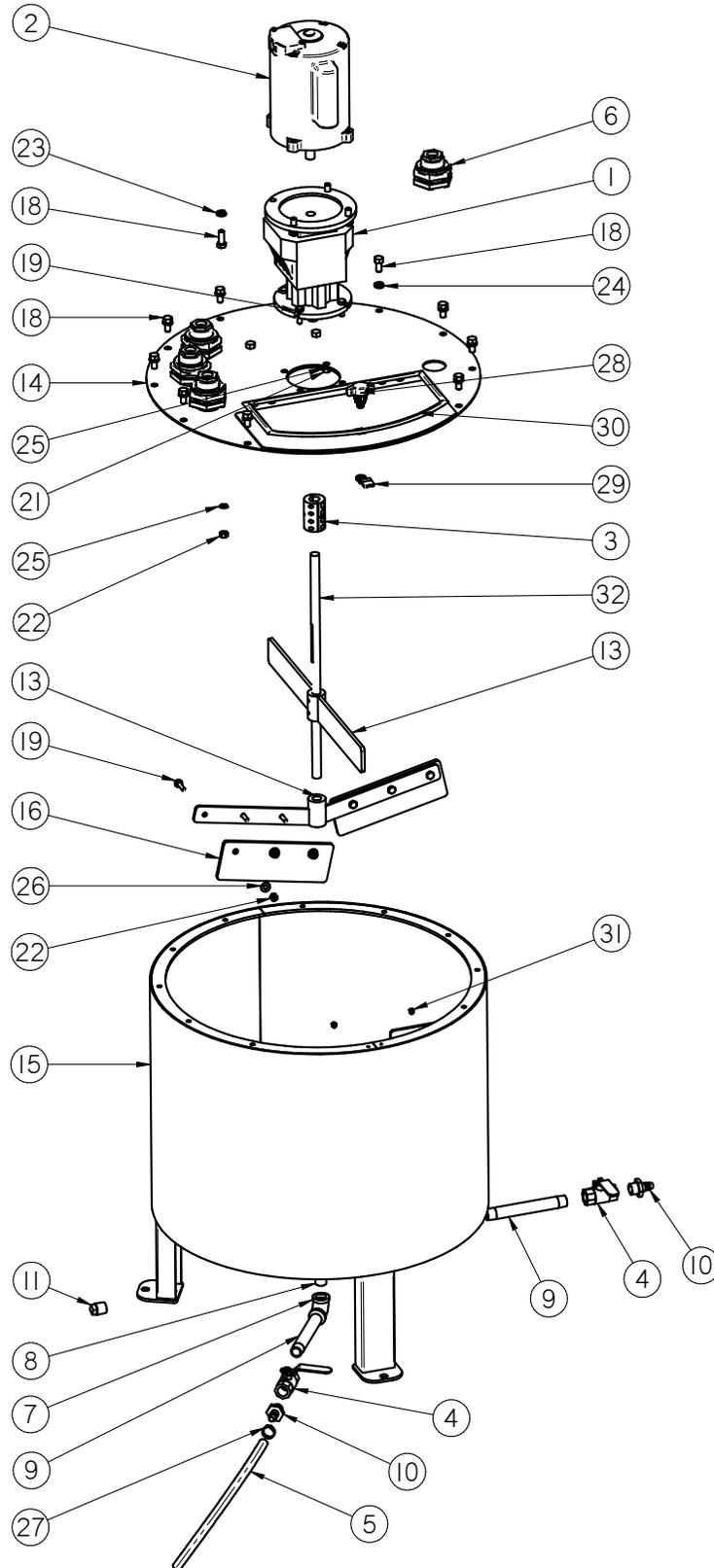
LPH800 TREATER

**LPH800 INOCULANT KIT ASSEMBLY (13-04-0088 REV A)**

Item #	Part #	Description	Qty
1	01-01-0010	MTR .1HP 6-600RPM 90VDC	1
2	02-01-0005	PUMP HEAD PRST MF LS 115V 600RPM	1
3	02-03-0005	.5 RNT TUBING 20" LG	1
4	02-05-0027	FTTG CPLG .500 HB X .375 HB NYL	2
5	02-06-0010	FTTG 90 DEG .500HB X .500NPT ML NYL	2
6	06-01-0010	BOLT .313-18 X .750 ZP GR5	6
7	06-01-0012	BOLT .313-18 X 1.00 ZP GR5	2
8	06-03-0002	NUT NYL LOCK .313-18 ZP GR5	2
9	06-04-0002	WSHR LOCK SPLT .313 ZP	6
10	06-05-0003	WSHR FLAT .313 ZP	6
11	06-07-0006	CLMP HOSE .500 TO .906 X .313W ZP	4
12	07-02-0016	TNK 5GAL 5.00 LID X .500 PLAS RECT	1
13	13-05-0018	HOSE .375 BLK MF 20IN	4
14	13-05-0041	KIT VLV INOC	1
15	13-05-0160	KIT VLV CALB TO INOC	1

LPH800 TREATER

**30 GALLON STAINLESS STEEL TANK ASSEMBLY (04-03-0204 REV A)**

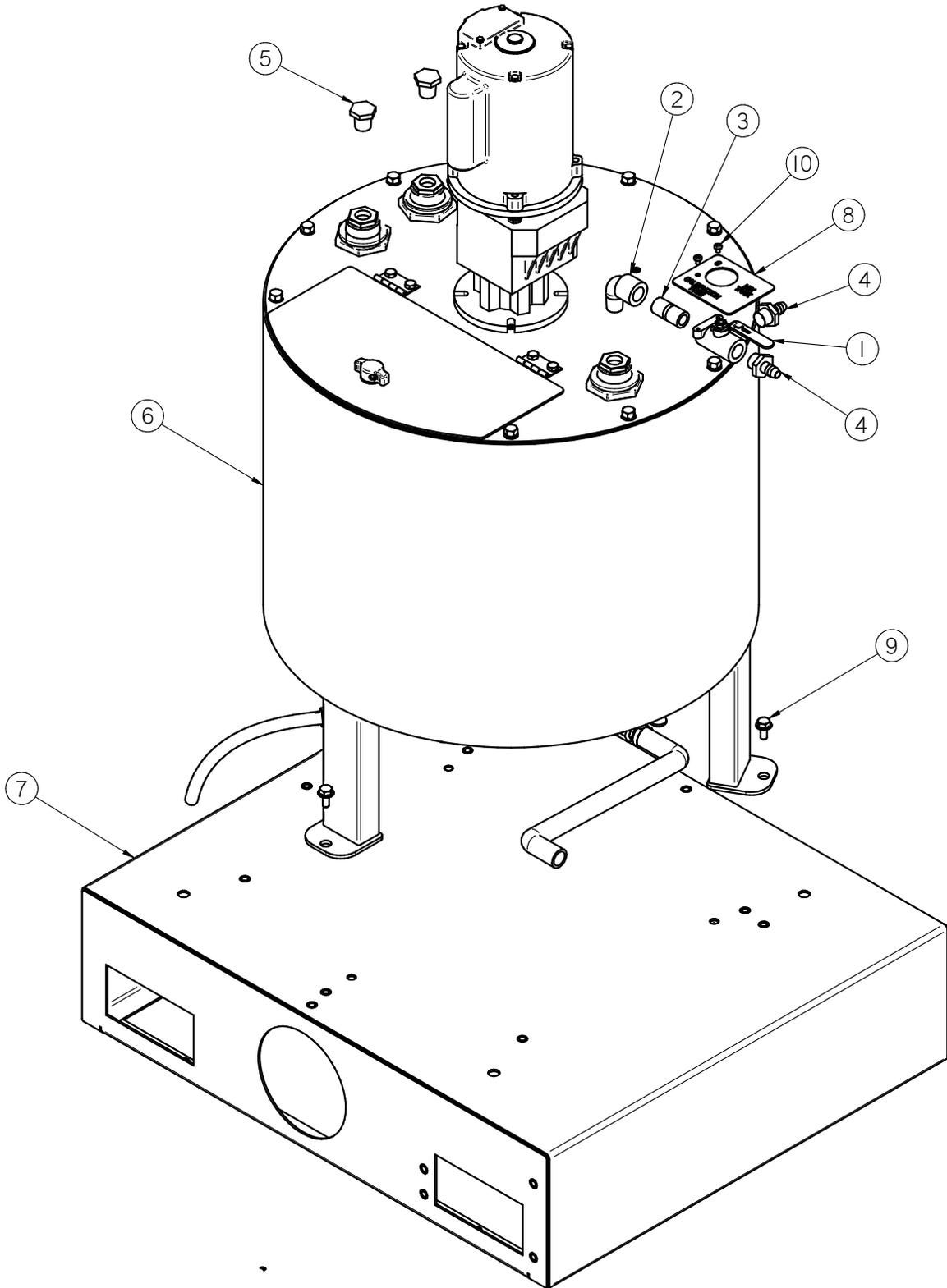


## LPH800 TREATER

**30 GALLON STAINLESS STEEL TANK ASSEMBLY (04-03-0204 REV A)**

Item #	Part #	Description	Qty
1	01-01-0039	GBOX IL 61.8:1 56C OTP 56C INP	1
2	01-01-0104	MTR .33HP 1725RPM 56C 1PH TENV	1
3	01-07-0015	CPLG CLPN .625 X .750 X 1.50OD SS	1
4	02-02-0006	.500-14 NPT X 2-WAY VALVE	2
5	02-03-0005	DRAIN HOSE PUMP STAND	1
6	02-05-0028	FTTG .500 NPT DBL THD PPE BULKHEAD	4
7	02-06-0012	ELBOW, .500-14 NPT, 90 DEG. SS	1
8	02-07-0007	FTTG NIP .500 NPT X 1.125 TBE SS	1
9	02-07-0015	FTTG NIP .500 NPT X 6.00 TBE SS	2
10	02-08-0007	FTTG STGHT .500HB X .500NPT ML NYL	2
11	02-14-0001	FTTG PLUG SQHD .500 NPT SS	1
12	05-03-0069	WDMT 50GAL MIDDLE STIR ARM	1
13	05-03-0070	WDMT 50GAL LOWER STIR ARM	1
14	05-03-1079	ASSY SS TANK LID 30-60 GAL	1
15	05-03-1384	WDMT BASE 30GAL TANK	1
16	05-10-0878	PDL 50GAL WIPER	2
17	06-01-0016	BOLT .375-16 X 1.00 ZP GR5	4
18	06-01-0042	BOLT .375-16 X .750 SS 18-8	10
19	06-01-0051	BOLT, .250-20 X 1.00 UNC 316 SS	6
20	06-01-0083	BOLT .313-18 X 1.00 SS 18-8	4
21	06-02-0017	NUT FULL .313-18 SS 18-8	4
22	06-03-0007	NUT NYL LOCK .250-20 SS 18-8	6
23	06-04-0003	WSHR LOCK SPLT .375 ZP	4
24	06-04-0008	WASHER, .375 LOCK 316 SS	10
25	06-04-0010	WSHR LOCK SPLT .313 SS 18-8	4
26	06-05-0002	WSHR FLAT .250 X .625OD SS 18-8	6
27	06-07-0029	HOSE CLAMP ONE EAR, .716-.827	1
28	06-09-0075	KNOB WING LATCH	1
29	06-09-0076	KNOB WING CAM	1
30	06-10-0001	SEAL RBBR BULBS CHAR .500 X .250	1
31	06-12-0011	RIVET POP .188 X .750 GRIP SS	2
32	102EAC	ROD 30GAL DRV	1

**30 GALLON TANK AND BASE ASSEMBLY (04-03-0199 REV A)**



LPH800 TREATER

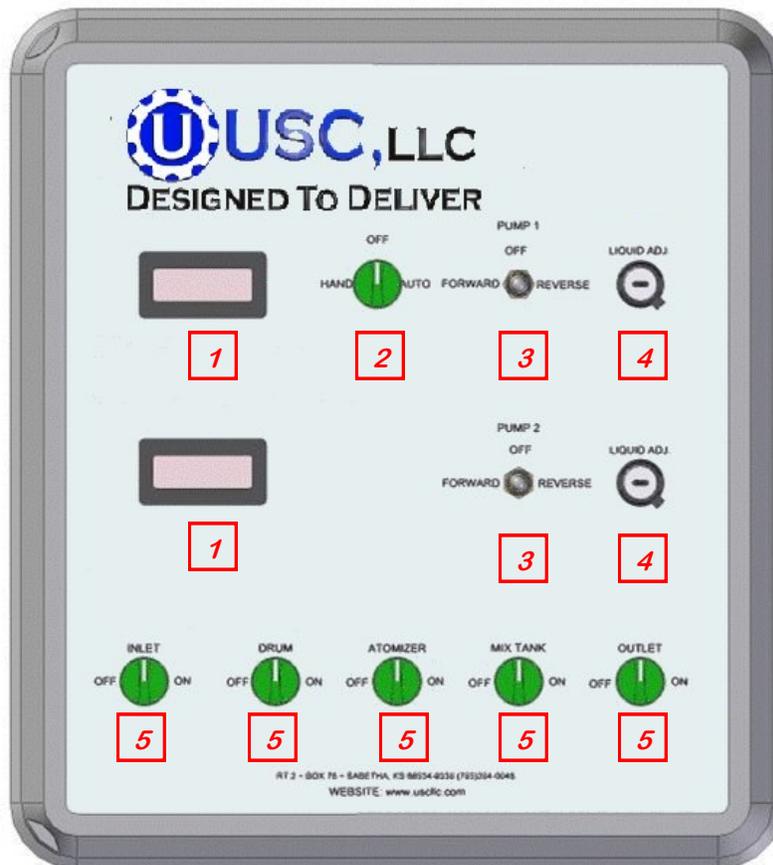
**30 GALLON TANK AND BASE ASSEMBLY (04-03-0199 REV A)**

Item #	Part #	Description	Qty
1	02-02-0007	VLV BALL .500 NPT 3WAY BRSS	1
2	02-06-0017	1/2-14 NPT,SL 90 DEG. BP	1
3	02-07-0009	FTTG NIP .500 NPT X 1.75 TBE BLK	1
4	02-08-0007	FTTG STGHT .500HB X .500NPT ML NYL	2
5	02-14-0002	1/2-14 NPT,PLUG BP	3
6	04-03-0204	ASSY SS 30GAL TANK PUMPSTD	1
7	05-03-1053	WDMT SMALL PUMPSTAND BASE BOX	1
8	05-10-2080	LBL TRTR MIX TANK	1
9	06-01-0124	BOLT, FLG .375-16 UNC ZP GRADE 5; 3/4" LG	3
10	06-06-0008	SCRW MACH 10-24 X .250 PHLP PHD ZP	2

LPH800 TREATER

**LPH800 TREATER CONTROL PANEL**

An electrical wiring diagram is located in the control panel of the seed treater at the time of shipment. The diagram located in the panel shows the exact electrical schematic for that model of seed treater. If you have any questions about the diagram, contact USC at (785) 431-7900.

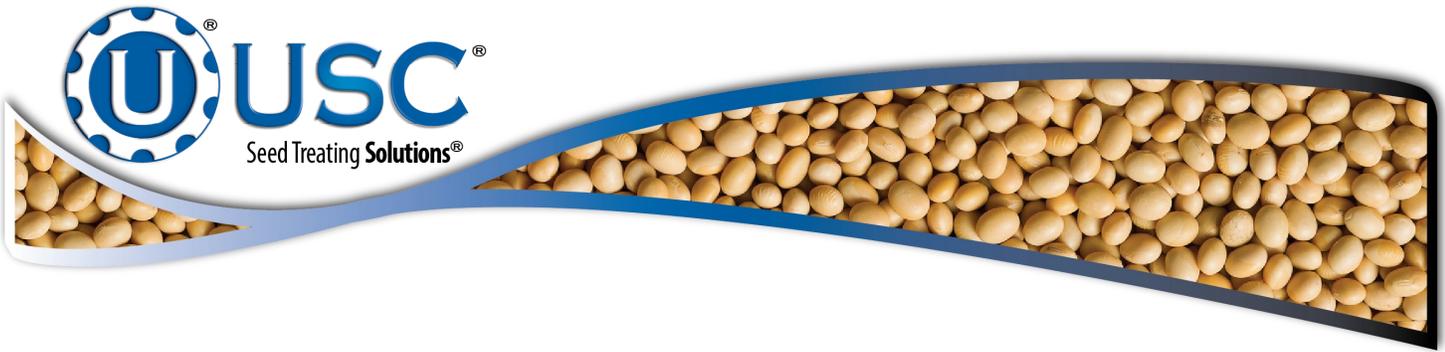


Item #	Part #	Description	Qty
1	03-01-0008	DC VOLTMETER	2
2	03-10-0008	3-POSITION PANEL SWITCH, MAINTAIN	1
3	03-10-0002	SW TOG FBR KB SC-6267	2
4	03-10-0163	DIAL POTENTIOMETER 10 TURN 1/4" SHAFT	2
5	03-10-0055	3-POSITION PANEL SWITCH, SPRING RETURN TO CENTER	5

USC, LLC, (Manufacturer) warrants its seed treating equipment as follows:

1. **Limited Warranty:** Manufacturer warrants that the Products sold hereunder will be free from defects in material and workmanship for a period of 18 months from date of shipment. If the Products do not conform to this Limited Warranty during the warranty period, Buyer shall notify Manufacturer in writing of the claimed defects and demonstrate to Manufacturer satisfaction that said defects are covered by this Limited Warranty. If the defects are properly reported to Manufacturer within the warranty period, and the defects are of such type and nature as to be covered by this warranty, Manufacturer shall, at its expense, furnish replacement Products or, at Manufacturer's option, replacement parts for the defective products. Shipping and installation of the replacement Products or replacement parts shall be at the Buyer's expense.
2. **Other Limits:** THE FOREGOING IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Manufacturer does not warrant against damages or defects arising from improper installation (where installation is by persons other than Manufacturer), against defects in products or components not manufactured by Manufacturer, or against damages resulting from such non-Manufacturer made products or components. Manufacturer passes on to the Buyer the warranty it received (if any) from the maker of such non-Manufacturer made products or components. This warranty also does not apply to Products upon which repairs and / or modifications have been effected or attempted by persons other than pursuant to written authorization by Manufacturer. This includes any welding on equipment which could damage electrical components. Manufacturer does not warrant against casualties or damages resulting from misuse and / or abuse of Products, improper storage or handling, acts of nature, effects of weather, including effects of weather due to outside storage, accidents, or damages incurred during transportation by common carrier.
3. **Exclusive Obligation:** THIS WARRANTY IS EXCLUSIVE. The sole and exclusive obligation of Manufacturer shall be to repair or replace the defective Products in the manner and for the period provided above. Manufacturer shall not have any other obligation with respect to the Products or any part thereof, whether based on contract, tort, strict liability or otherwise. Under no circumstances, whether based on this Limited Warranty or otherwise, shall Manufacturer be liable for lost profits, lost revenue, lost sales (whether direct or indirect damages), incidental, special, punitive, indirect or consequential damages.
4. **Other Statements:** Manufacturer's employees or representatives' oral or other written statements do not constitute warranties, shall not be relied upon by Buyer, and are not a part of the contract for sale or this limited warranty.
5. **Return Policy:** Approval is required prior to returning goods to Manufacturer. A restocking fee will apply.
6. **Entire Obligation:** This Limited Warranty states the entire obligation of Manufacturer with respect to the Products. If any part of this Limited Warranty is determined to be void or illegal, the remainder shall remain in full force and effect.

US / Canada Non-Exclusive 2016



DOCUMENT REVIEW RECORD	
DATE	BY
03-20	BT

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