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ETT2000/1500/1000

Electric Turf Tower



Assembly, Parts and Operator's Manual

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Visit our website, www.rogerssprayers.com, for additional models.

Minimize Chemical Drift

The *Windfoil* sprayer has been designed in wind tunnels to control airflow around and behind the sprayer to minimize drift, allowing safe spraying in windy conditions. Drift can blow off a field after it has been sprayed, especially in high winds. Reasonable caution should be taken, in order to spray effectively and safely.

Nozzles

The Turf Electric is equipped with 110° spray tips, spaced at 20". Tips are mounted with self-aligning ¼ turn caps for easy removal or change. Tips that are greater than 110° will cause dripping from the outside edges of the sprayer.

Trouble Shooting

If dripping occurs, caused by the diaphragm not seating properly, the diaphragm may be hard, cracked, or the seating may be damaged.

Cleaning

Sprayers need to be cleaned to prevent corrosion, to prevent cross contamination of chemicals, and to prevent any grit or solids in the liquid that will reduce pressure. Flush with clean water, preferably after each day's operation. Rinse the outside of the sprayer.

Winterizing

After the sprayer is thoroughly cleaned, put 2 to 5 quarts of rust inhibitor or antifreeze in the tank for final system flushing to help prevent corrosion.

Calibration

To calibrate, operate the sprayer at the desired pressure. Collect the output from each nozzle for 60 seconds, using an accurate measuring cup. Record the output from each nozzle. Replace nozzles that are more than 5% above or below the average reading, or have a visibly distorted spray pattern.

Run a speed test in the area to be sprayed, with a full tank. The sprayer must be at operating speed before starting the test run. To determine the speed, mark off a distance as found on one of the tables below. Spray this distance, carefully noting and recording the time to cover the distance. The actual speed can be found for the specific distance traveled and time to travel, using the table.

After the nozzles have been individually checked, the sprayer should be calibrated to determine the correct speed for the desired application volume. To get area covered, multiply the width [ETT1000, 3.3'(1m), ETT1500, 5'(1.5m), ETT2000, 6.7'(2m)] X distance.

Table 1: Time in seconds to travel a distance of:

Mph	10'	25'	50'	100'
2.5	2.7	6.8	13.6	27.3
3	2.3	5.7	11.4	22.7
4	1.7	4.3	8.5	17.0

Table 2: Time in seconds to travel a distance of:

Km/h	10m	25m	50m	100m
3	12.0	30.0	60.0	120.0
4	9.0	22.5	45.0	90.0
5	7.2	18.0	36.0	72.0

ETT2000

Metric Application Rates at 20" Nozzle Spacing (0.5 meters)

110 Degree Tips

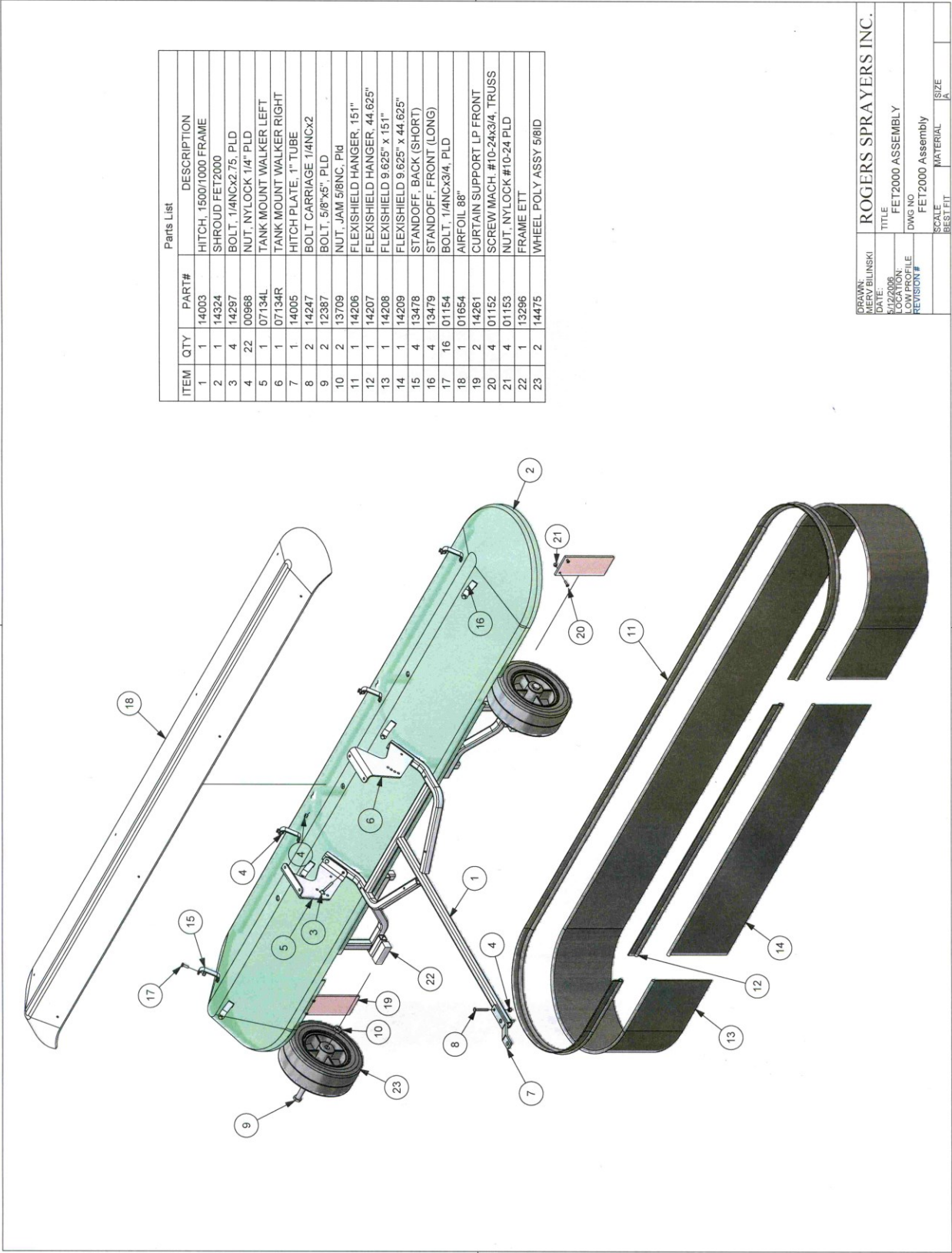
Rog- ers Part #	Tip Number	Tip Mfg	Liquid Press psi	Liquid Press bars	Cap /noz. gpm	U. S. GALLONS PER ACRE					Liters/Hectare				
						2.5	3	4	5	7	4	4.8	6.4	8	11.2
						mph	mph	mph	mph	mph	kph	kph	kph	kph	kph
01369	8001VS (100 mesh)	Teejet	30	2.07	0.087	10.3	8.6	6.4	5.1	3.7	96	80	60	48	34
			40	2.76	0.100	11.9	9.9	7.4	5.9	4.2	111	93	69	56	40
			50	3.45	0.112	13.3	11.1	8.3	6.6	4.7	124	103	78	62	44
			60	4.14	0.122	14.5	12.1	9.1	7.3	5.2	136	113	85	68	49
00827 13351	80015VS or API- 80015 (100 mesh)	Teejet	30	2.07	0.130	15.4	12.9	9.6	7.7	5.5	144	120	90	72	52
			40	2.76	0.150	17.8	14.9	11.1	8.9	6.4	167	139	104	83	60
		Albuz	50	3.45	0.168	19.9	16.6	12.5	10.0	7.1	186	155	116	93	67
			60	4.14	0.184	21.8	18.2	13.6	10.9	7.8	204	170	128	102	73
05876 14384	8002VS or AXI-8002 (50 mesh)	Teejet	30	2.07	0.173	20.6	17.1	12.9	10.3	7.3	192	160	120	96	69
			40	2.76	0.200	23.8	19.8	14.9	11.9	8.5	222	185	139	111	79
		Albuz	50	3.45	0.224	26.6	22.1	16.6	13.3	9.5	248	207	155	124	89
			60	4.14	0.245	29.1	24.2	18.2	14.5	10.4	272	227	170	136	97
05877 14385	8003VS or AXI-8003 (50 mesh)	Teejet	30	2.07	0.260	30.9	25.7	19.3	15.4	11.0	289	240	180	144	103
			40	2.76	0.300	35.6	29.7	22.3	17.8	12.7	333	278	208	167	119
		Albuz	50	3.45	0.335	39.8	33.2	24.9	19.9	14.2	373	310	233	186	133
			60	4.14	0.367	43.6	36.4	27.3	21.8	15.6	408	340	255	204	146
05878 14061	8004VS or AXI-8004 (50 mesh)	Teejet	30	2.07	0.346	41.2	34.3	25.7	20.6	14.7	385	321	240	192	137
			40	2.76	0.400	47.5	39.6	29.7	23.8	17.0	444	370	278	222	159
		Albuz	50	3.45	0.447	53.1	44.3	33.2	26.6	19.0	497	414	310	248	177
			60	4.14	0.490	58.2	48.5	36.4	29.1	20.8	544	453	340	272	194
05879 14386	8005VS or AXI-8005 (50 mesh)	Teejet	30	2.07	0.433	51.4	42.9	32.2	25.7	18.4	481	401	301	240	172
			40	2.76	0.500	59.4	49.5	37.1	29.7	21.2	555	463	347	278	198
		Albuz	50	3.45	0.559	66.4	55.3	41.5	33.2	23.7	621	517	388	310	222
			60	4.14	0.612	72.7	60.6	45.5	36.4	26.0	680	567	425	340	243

ETT1500 / ETT1000

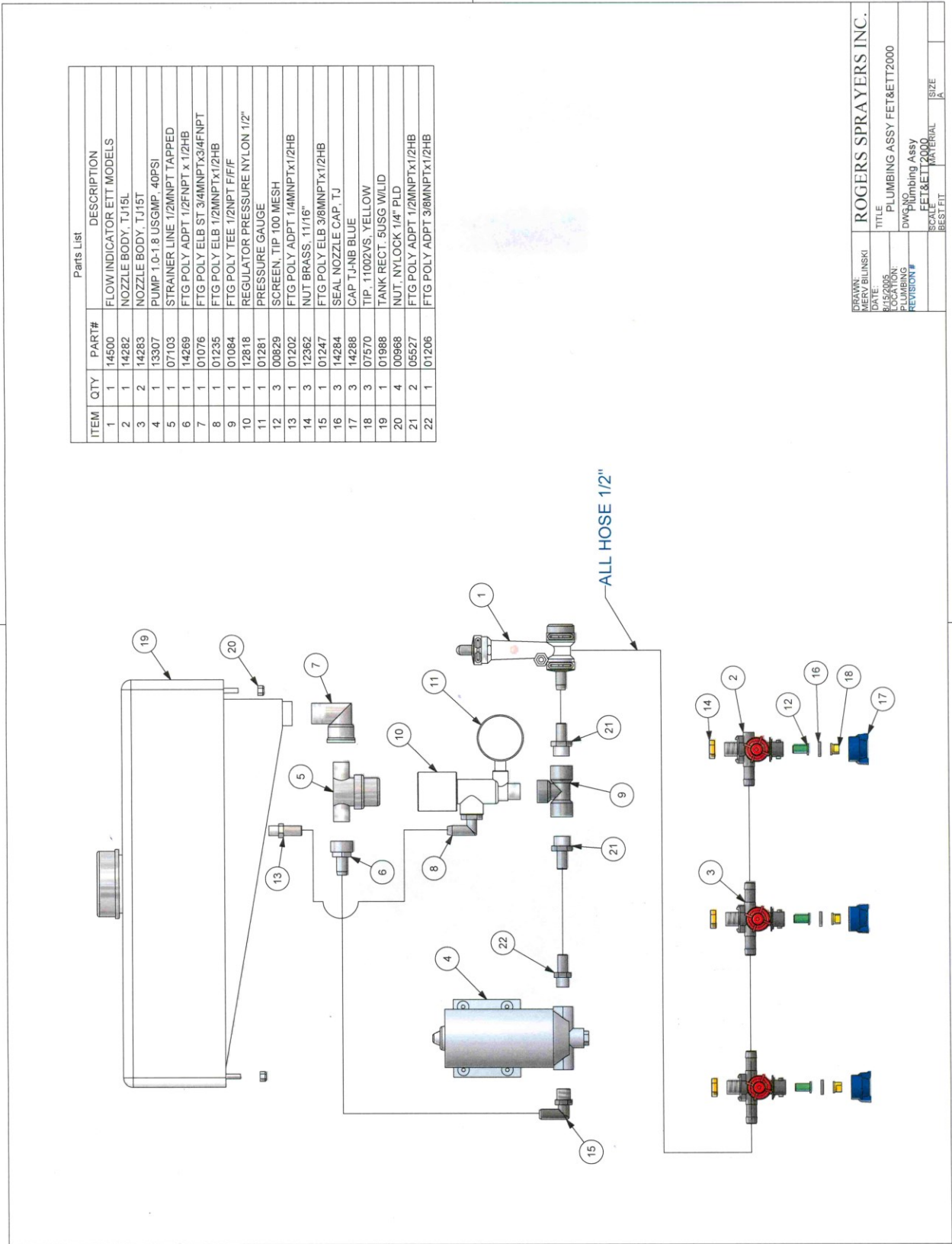
Metric Application Rates at 12" Spacing (0.3 meters) 80 Deg. Tips

Rogers Part #	Tip Number	Tip Mfg	Liquid Press psi	Liquid Press bars	Capaci- ty 1 noz- zle gpm	U. S. GALLONS PER ACRE					Liters/Hectare				
						2.5	3	4	5	7	4	4.8	6.4	8	11.2
						mph	mph	mph	mph	mph	kph	kph	kph	kph	kph
05872	800067SS (200 mesh)	Teejet	30	2.07	0.058	11.5	9.6	7.2	5.7	4.1	107	90	67	54	38
			40	2.76	0.067	13.3	11.1	8.3	6.6	4.7	124	103	78	62	44
			50	3.45	0.075	14.8	12.4	9.3	7.4	5.3	139	116	87	69	50
			60	4.14	0.082	16.2	13.5	10.2	8.1	5.8	152	127	95	76	54
01369	8001VS (100 mesh)	Teejet	30	2.07	0.087	17.1	14.3	10.7	8.6	6.1	160	134	100	80	57
			40	2.76	0.100	19.8	16.5	12.4	9.9	7.1	185	154	116	93	66
			50	3.45	0.112	22.1	18.4	13.8	11.1	7.9	207	172	129	103	74
			60	4.14	0.122	24.2	20.2	15.2	12.1	8.7	227	189	142	113	81
00827 or 13351	80015VS or API-80015 (100 mesh)	Teejet	30	2.07	0.130	25.7	21.4	16.1	12.9	9.2	240	200	150	120	86
			40	2.76	0.150	29.7	24.8	18.6	14.9	10.6	278	231	174	139	99
		Albuz	50	3.45	0.168	33.2	27.7	20.8	16.6	11.9	310	259	194	155	111
			60	4.14	0.184	36.4	30.3	22.7	18.2	13.0	340	283	213	170	121
05876 or 14384	8002VS or AXI-8002 (50 mesh)	Teejet	30	2.07	0.173	34.3	28.6	21.4	17.1	12.2	321	267	200	160	115
			40	2.76	0.200	39.6	33.0	24.8	19.8	14.1	370	309	231	185	132
		Albuz	50	3.45	0.224	44.3	36.9	27.7	22.1	15.8	414	345	259	207	148
			60	4.14	0.245	48.5	40.4	30.3	24.2	17.3	453	378	283	227	162
05877 or 14385	8003VS or AXI-8003 (50 mesh)	Teejet	30	2.07	0.260	51.4	42.9	32.2	25.7	18.4	481	401	301	240	172
			40	2.76	0.300	59.4	49.5	37.1	29.7	21.2	555	463	347	278	198
		Albuz	50	3.45	0.335	66.4	55.3	41.5	33.2	23.7	621	517	388	310	222
			60	4.14	0.367	72.7	60.6	45.5	36.4	26.0	680	567	425	340	243
05878 or 14061	8004VS or AXI-8004 (50 mesh)	Teejet	30	2.07	0.346	68.6	57.2	42.9	34.3	24.5	641	534	401	321	229
			40	2.76	0.400	79.2	66.0	49.5	39.6	28.3	741	617	463	370	264
		Albuz	50	3.45	0.447	88.5	73.8	55.3	44.3	31.6	828	690	517	414	296
			60	4.14	0.490	97.0	80.8	60.6	48.5	34.6	907	756	567	453	324
05879 or 14386	8005VS or AXI-8005 (50 mesh)	Teejet	30	2.07	0.433	85.7	71.4	53.6	42.9	30.6	802	668	501	401	286
			40	2.76	0.500	99.0	82.5	61.9	49.5	35.4	926	771	579	463	331
		Albuz	50	3.45	0.559	110.7	92.2	69.2	55.3	39.5	1035	862	647	517	370
			60	4.14	0.612	121.2	101.0	75.8	60.6	43.3	1134	945	709	567	405

Main Assembly



Plumbing Assembly



ORC Assembly

Flowrates 0.03-0.09 US gpm

Flowrates 0.05-0.18 US gpm

Flowrates 0.31-0.72 US gpm

Flowrates 0.31-1.33 US gpm

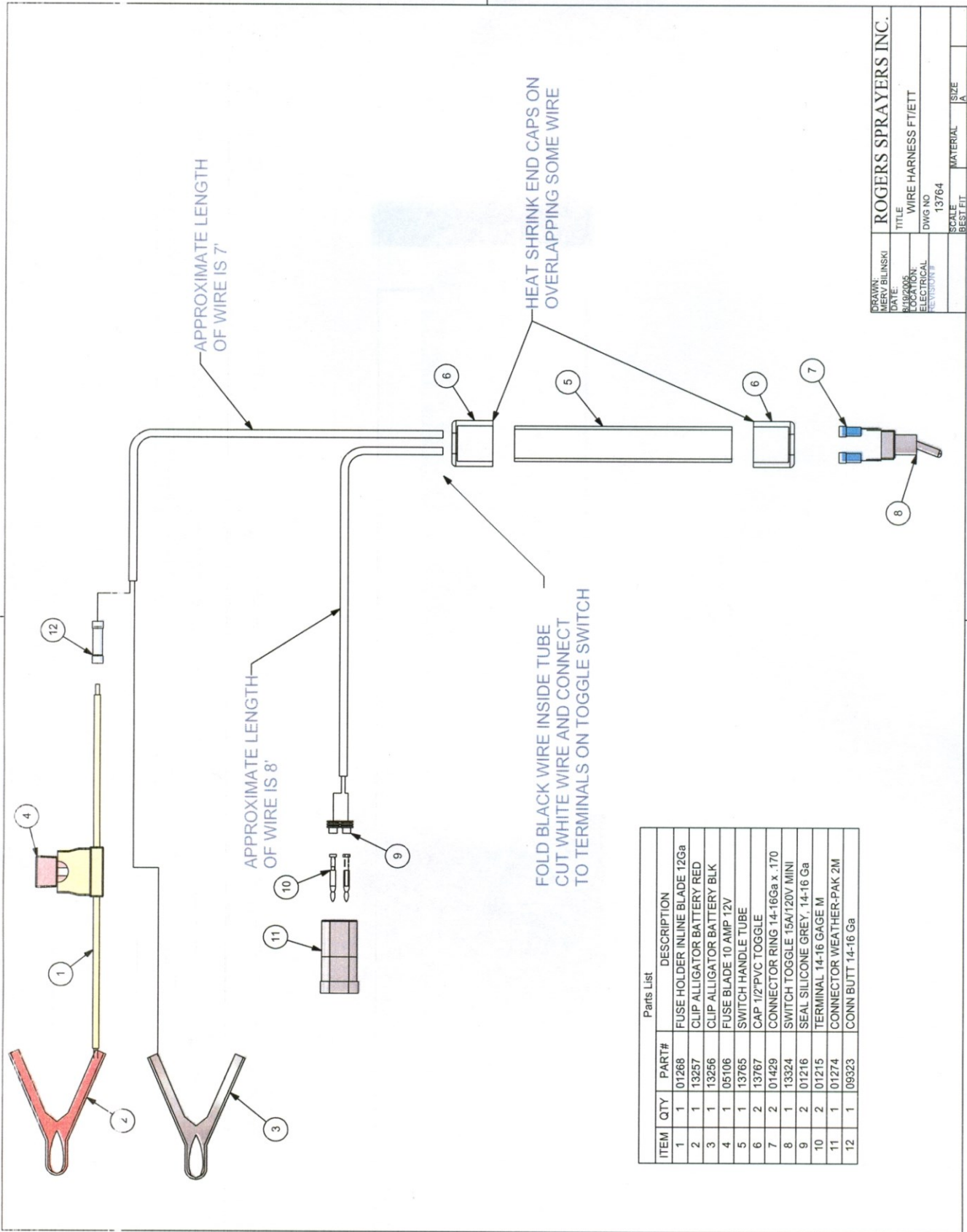
Flowrates 0.09-0.30 US gpm

Parts List		
ITEM	QTY	PART#
1	1	00889
2	1	11984
3	1	00909
4	1	11976a
5	1	11990
6	1	11989
7	1	01115
8	1	11975
9	1	00906
10	1	00905
11	1	00903
12	1	12727
13	1	01118
14	1	01119
15	1	11965
16	1	11991

DESCRIPTION	
FLOWMONITOR ORC BODY	
O-RING ORC	
FTG POLY ORC CAP	
ORC CLIP	
BALL FICELCON 0.09-0.3 USGPM	
ORC BALL RETAINER	
FTG POLY ELB ST MORC x FORC	
FTG POLY ADPT MORC x 1/2HB	
FTG POLY ELB MORC x 1/2HB	
FTG POLY ELB MORC x 3/4HB	
FTG POLY ADPT MORC x 1/4FNPT	
BALL FI POLY 0.03-0.09 USGPM	
BALL FI POLY 0.05-0.18 USGPM	
BALL FI GLASS 0.31-0.72 USGPM	
BALL FI SS 1/2" 0.31-1.3 USGPM	

DRAWN: MERV BILINSKI	ROGERS SPRAYERS INC.		
DATE: 11/19/92	TITLE: ORC ROTOMETER PARTS		
LOCATION: PLUMBING	DWG NO: 11992		
REVISION #	SCALE: BEST FIT		
	MATERIAL: SIZE: A		

Wiring Harness



Rogers Sprayers Inc. (RSI)
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ROGERS SPRAYERS INC OWNER WARRANTY AGREEMENT

Windfoil Drift Containment Spray Systems (DCSS) are warranted to be free of factory defects under normal and intended use for a period of one (1) year from date of purchase to the original purchaser. Equipment must be setup in accordance with factory instructions and operated, maintained and used in accordance with the operator's manual. Equipment used for rental has a warranty period of forty five (45) days. Any customization or modifications to the original equipment voids warranty immediately.

RSI reserves the right not to warranty any items that are not directly manufactured by RSI. Such components need to be returned to the factory for inspection and tested by either RSI or the original manufacturer for defects. Examples of these parts include actuators, engines, pumps and electrical systems.

All warranty Claims must be pre-authorized by the factory!

To obtain warranty, all defective parts must be returned to the factory; in some cases, location of part might require only photo of defective part. RSI must be contacted to determine which route is required. RSI through its designated dealer or factory appointed representative will repair or replace, at its option, any or all parts that are proven to be defective free of charge.

RSI DOES NOT pay or reimburse for any travel time or investigation time to determine the defective part. Warranty labor will be based on the time required for RSI to replace only the part. Warranty labor rates and replacement times will be assessed yearly and will be included in a labor replacement sheet.

This warranty does not apply to damage caused by misuse, accident, acts of god, and/or operation without proper servicing. RSI will not be responsible for consequential damages; its liability is limited to replacement of parts.

Standard wear components (see list) such as belts, nozzles, screens, bearings, wheels, flow indicator bodies or flow indicator parts are only warranted for 30 days after original purchase.

RSI makes no other expressed, implied or statutory warranty; nor is anyone authorized to make any on our behalf.

Complete your Warranty Registration online at www.rogerssprayers.com

The warranty registration is found on the Contact page of our website. The warranty registration **MUST** be filled out completely and submitted to RSI to activate the warranty. If you would prefer, a printable copy is also available online.

It is our intention to manufacture durable, user-friendly products. Any suggestions you have as to how we may improve our equipment are greatly appreciated.



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