

Model: 07-3027-0900
Fuel Sump Unit

10/2018 – Rev. 01

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TABLE OF CONTENTS

	<u>PAGE</u>
1.0 PRODUCT INFORMATION	2
1.1 DESCRIPTION.....	2
1.2 MODEL & SERIAL NUMBER.....	2
1.3 MANUFACTURER.....	2
1.4 SPECIFICATIONS	2
1.5 FEATURES.....	2
2.0 SAFETY INFORMATION.....	2
2.1 USAGE AND SAFETY INFORMATION.....	2
3.0 PREPARATION PRIOR TO FIRST USE	2
4.0 TRAINING.....	2
4.1 TRAINING REQUIREMENTS	2
4.2 TRAINING PROGRAM	2
4.3 OPERATOR TRAINING.....	2
5.0 OPERATION.....	3
5.1 USAGE	3
5.2 MISCELLANEOUS.....	3
6.0 PROVISION OF SPARES.....	3
6.1 SOURCE OF SPARE PARTS.....	3
6.2 RECOMMENDED SPARE PARTS LISTS	3
7.0 IN SERVICE SUPPORT.....	3
8.0 GUARANTEES/LIMITATION OF LIABILITY	3
9.0 APPENDICES	4

This product can not be modified without the written approval of Tronair, Inc. Any modifications done without written approval voids all warranties and releases Tronair, Inc., its suppliers, distributors, employees, or financial institutions from any liability from consequences that may occur. Only Tronair OEM replacement parts shall be used.

1.0 PRODUCT INFORMATION

1.1 DESCRIPTION

The Tronair Fuel Sump Test Unit is designed to provide a safe and efficient way to visually inspect aircraft fuel.

1.2 MODEL & SERIAL NUMBER

Reference nameplate on unit

1.3 MANUFACTURER

TRONAIR, Inc.
1 Air Cargo Pkwy East
Swanton, Ohio 43558 USA

Telephone: (419) 866-6301 or 800-426-6301
Fax: (419) 867-0634
E-mail: sales@tronair.com
Website: www.tronair.com

1.4 SPECIFICATIONS

Overall Height: 42.5 in (108 cm)
Overall Width: 29.5 in (75 cm)
Overall Depth: 14-1/16 in (36 cm)
Weight: 125 lbs (57 kg)
Finish: Tronair Blue Acrylic Enamel

1.5 FEATURES

- Air operated diaphragm pumps
- 12 GPM maximum flow
- 50 PSI maximum operating pressure
- Air inlet momentary control valve
- 20 foot and 50 foot static discharge reels
- 20 foot suction hose with shutoff valve

2.0 SAFETY INFORMATION

2.1 USAGE AND SAFETY INFORMATION

To insure safe operations please read the following statements and understand their meaning. Also refer to your equipment manufacturer's manual for other important safety information. This manual contains safety precautions which are explained below. Please read carefully.



WARNING!

Warning is used to indicate the presence of a hazard that can cause **severe personal injury, death, and/or substantial property damage** if the Warning Notice is ignored.



CAUTION!

Caution is used to indicate the presence of a hazard, which will or can cause **minor personal injury or property damage** if the Caution Notice is ignored.

3.0 PREPARATION PRIOR TO FIRST USE

The Tronair Fuel Sump Unit is shipped fully assembled and is ready to use after unpacking. Generally inspect unit and check fittings for tightness after shipment.

4.0 TRAINING

4.1 TRAINING REQUIREMENTS

The employer of the operator is responsible for providing a training program sufficient for the safe operation of the unit.

4.2 TRAINING PROGRAM

The employer provided operator training program should cover safety procedures concerning use of the unit in and around the intended aircraft at the intended aircraft servicing location.

4.3 OPERATOR TRAINING

The operator training should provide the required training for safe operation of the unit.

NOTE: Maintenance and Trouble Shooting are to be performed by a skilled and trained technician.

5.0 OPERATION

5.1 USAGE

To use your Fuel Sump Unit, follow these steps below in conjunction with the aircraft maintenance manual test procedure:



CAUTION!

To prevent possible explosion, static discharge cable must be connected to proper grounds.

1. Attach both static discharge lines to aircraft and containment unit
2. Ensure air supply switch is off, fuel supply ball valve is closed and sight glass drain valve is closed
3. Attach ¾ in (1.9 cm) push on drain hose to vent on top of sight glass and run to holding tank
4. Attach regulated air supply to unit – So NOT exceed 50 psi (3.4 bar)
5. Attach wand to fuel sump drain with applicable adapter
6. Open fuel supply ball valve
7. Carefully press air valve switch to pump fuel into sight glass until filled to desired amount
8. Release air valve switch and close fuel supply ball valve
9. Open sight glass drain ball valve and drain fluid into holding container

NOTE: Fuel flow must be controlled by flow meter ball valves.

5.2 MISCELLANEOUS

The pump can run "dry" without damage for a short period of time (less than 5 minutes), therefore, to rid fuel unit hoses of as much fuel as possible leave pump operate until fuel flow ends from discharge tube.

6.0 PROVISION OF SPARES

6.1 SOURCE OF SPARE PARTS

Spare parts may be obtained from the manufacturer:

TRONAIR, Inc.
1 Air Cargo Pkwy East
Swanton, Ohio 43558 USA

Telephone: (419) 866-6301 or 800-426-6301
Fax: (419) 867-0634
E-mail: sales@tronair.com
Website: www.tronair.com

6.2 RECOMMENDED SPARE PARTS LISTS

Reference the following page(s) for Replacement Parts and Kits available.

7.0 IN SERVICE SUPPORT

Contact Tronair, Inc. for technical services and information. See Section 1.3 – Manufacturer.

8.0 GUARANTEES/LIMITATION OF LIABILITY

Tronair products are warranted to be free of manufacturing or material defects for a period of one year after shipment to the original customer. This is solely limited to the repair or replacement of defective components. This warranty does not cover the following items:

- a) Parts required for normal maintenance
- b) Parts covered by a component manufacturers warranty
- c) Replacement parts have a 90-day warranty from date of shipment

If you have a problem that may require service, contact Tronair immediately. Do not attempt to repair or disassemble a product without first contacting Tronair, any action may affect warranty coverage. When you contact Tronair be prepared to provide the following information:

- a) Product Model Number
- b) Product Serial Number
- c) Description of the problem

If warranty coverage is approved, either replacement parts will be sent or the product will have to be returned to Tronair for repairs. If the product is to be returned, a Return Material Authorization (RMA) number will be issued for reference purposes on any shipping documents. Failure to obtain a RMA in advance of returning an item will result in a service fee. A decision on the extent of warranty coverage on returned products is reserved pending inspection at Tronair. Any shipments to Tronair must be shipped freight prepaid. Freight costs on shipments to customers will be paid by Tronair on any warranty claims only. Any unauthorized modification of the Tronair products or use of the Tronair products in violation of cautions and warnings in any manual (including updates) or safety bulletins published or delivered by Tronair will immediately void any warranty, express or implied.

The obligations of Tronair expressly stated herein are in lieu of all other warranties or conditions expressed or implied. **Any unauthorized modification of the Tronair products or use of the Tronair products in violations of cautions and warnings in any manual (including updates) or safety bulletins published or delivered by Tronair will immediately void any warranty, express or implied and Tronair disclaims any and all liability for injury (WITHOUT LIMITATION and including DEATH), loss or damage arising from or relating to such misuse.**

9.0 APPENDICES

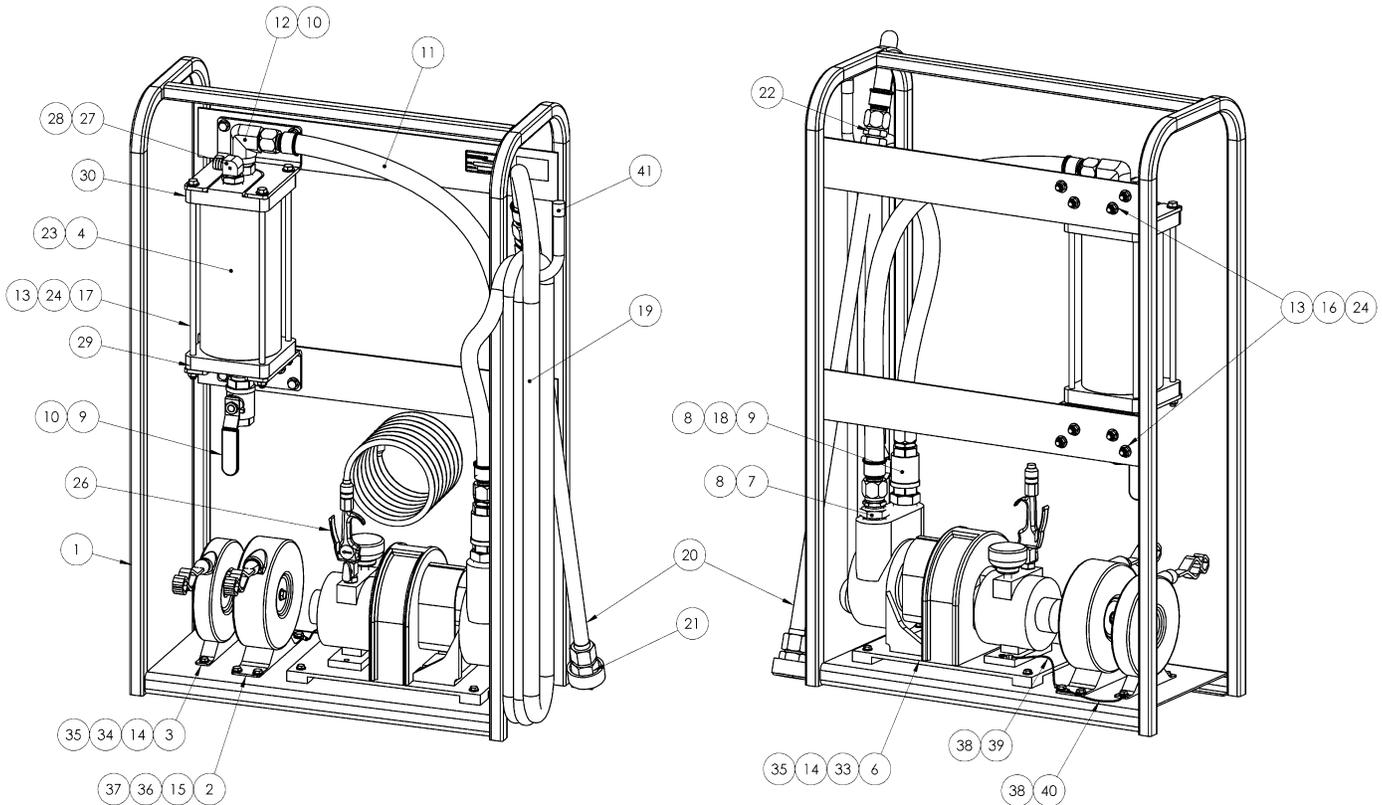
APPENDIX I Static Discharge Grounding Reel Installation/Operation Instruction

Additional Documents: Premier Pump: TH3C2EV-C-7, GM 6AM-FRV-23A

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Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.



Item	Part Number	Description	Qty
1	Z-10585-00	WELDMENT, FRAME (P)	1
2	H-1186	REEL, STATIC DISCHARGE	1
3	H-1187	REEL, STATIC DISCHARGE	1
4	TR-2590	TUBE, SIGHT GLASS	1
5	J-7226-00	BRACKET, SIGHT GLASS MOUNT	2
6	PC-1139	1" PNEUMATIC PUMP AND MOTOR	1
7	N-2210-20-S	REDUCER, PIPE THREAD	1
8	N-2009-23-S	CONNECTOR, MALE	2
9	H-2666-05	VALVE, BALL (1 INCH)	2
10	N-2203-12-S	NIPPLE, PIPE	2
11	TF-1050-02*34.0	ASSEMBLY, HOSE	1
12	N-2006-17-S	ELBOW, FEMALE	1
13	G-1250-1070N	FLATWASHER. 3/8 NARROW	24
14	G-1250-1050N	FLATWASHER. 1/4 NARROW	12
15	G-1250-1060N	FLATWASHER. 5/16 NARROW	8
16	G-1100-107010	BOLT, 3/8-16 X 1.0" HEX HD GR 5	8
17	G-1100-1070140	BOLT, 3/8-16 X 14" HEX HD GR 5	4
18	N-2203-13-S	NIPPLE, PIPE	1
19	TF-1050-04-240	ASSEMBLY, HOSE	1
20	Z-10588	ASSEMBLY, WAND	1

Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
21	N-2010-17-S	CONNECTOR, FEMALE	1
22	N-2011-10-S	UNION	1
23	HC-2007-253	O-RING, SERIES 2	2
24	G-1202-1070	STOPNUT, 3/8-16 ELASTIC	12
25	N-2210-08-S	REDUCER, PIPE THREAD	1
26	Z-4973	ASSEMBLY, BLOWGUN	1
27	N-2410-10	ELBOW, 90 DEG MALE	1
28	N-2210-17-S	REDUCER, PIPE THREAD	1
29	J-7228	PLATE, SIGHT GLASS MOUNT BOT	1
30	J-7227	PLATE, SIGHT GLASS MOUNT TOP	1
33	G-1100-105014	BOLT, 1/4-20 X 1-1/2" LG HEX HD GR 5	4
34	G-1100-105010	BOLT, 1/4-20 X 1.0" LG HEX HD GR 5	2
35	G-1202-1050	STOPNUT, 1/4-20 ELASTIC	6
36	G-1100-106010	BOLT, 5/16-18 X 1.0" LG. HEX HD GR 5	4
37	G-1202-1060	STOPNUT, 5/16-18 ELASTIC	4
38	EC-1180-12	TERMINAL, RING RED 5/16	4
39	EC-1752-01-06.0	WIRE, ELEC. 18 AWG GRN/YLW	1
40	EC-1752-01-06.0	WIRE, ELEC. 18 AWG GRN/YLW	1
41	H-1206	CAP, END	1



APPENDIX I

Static Discharge Ground Reel Installation/Operation Instructions

**STATIC DISCHARGE GROUNDING REEL
INSTALLATION / OPERATION INSTRUCTION SHEET
P/N 922-30-028**

Introduction

Static Discharge Reels; 200-20R, 700-50R and ML2930 & ML3416 Series to be used for bonding and grounding on mobile fuel equipment at bulk stations, airports, terminals, refineries, et cetera.

Bonding and Grounding Principles

Bonding connects various pieces of conductive equipment together to keep them at the same potential. Static sparking can not occur between objects that are at the same potential.

Grounding is a form of bonding in which conductive equipment is connected to an earthing electrode or to a building grounding system in order to prevent sparking between conductive equipment and grounding structures.

Refer to the National Fire Protection Association Codes, NFPA 77 and NFPA 99 for recommended practice on static electricity.

Reel Installation

Mount Grounding Reel to object or vehicle with bolts using holes provided in base. Underside of bracket is unpainted providing a conductive surface to interface with a clean conductive surface on the object or vehicle. After mounting reel check electrical continuity (25 ohms. max.) between object or vehicle and grounding clamps at the end of the cable.

Reel Operation

Extend cable to desired object or earthing ground lug and clamp alligator jaw grip or other grounding connector in place. A pawl and ratchet permits locking of cable at any desired length within the reel's capacity. A simple tug on the cable unlocks the reel for a smooth and steady walk-back retraction.

Perform periodic tests of the bonded object to the ground clamp on the end of the cable grounding reel with Ohm Meter to confirm continuity. Maximum resistance to be 25 ohms. If higher, remove and replace reel. Inspect the entire cable length for kinks and/or broken wires. Inspect the cable clamp for good compression force and/or damage.

Caution: Do not use any part of the electrical current carrying system as a ground for static grounding. Arcing and fires could occur from current feedback where static control grounds are tied into the electrical system neutral.

WARNING:

This product can aid in the discharge of static electricity. No prediction or advice, however, can be given about all the different conditions which can cause static discharges to accumulate. Moreover, it can not be guaranteed that the use of this product (without other precautionary steps) will prevent static ignited fires or explosions which may result in serious injury or death.

SEEK PROFESSIONAL ADVICE BEFORE INSTALLING AND / OR USING THIS PRODUCT.