

# Faunamaster **SPRAYER**



## Usermanual

# Thank you for purchasing a Faunamaster sprayer 70

The sprayer is designed by Faunamaster and its intended use is for atv / utv. This manual provides the main technical info, safety rules, the structure of the sprayer, installation and main components. In the manual you will also find different options for troubleshooting, if you experience faults or issues.

Faunamaster continue to develop on all our products. If you as a user have good ideas, to improve our products, we would be happy to get your feedback.

## Warranty registration

When you purchase a Faunamaster product, each product comes with a serial number. To get the full 2 years warranty, you need to registrate your new product on:

<https://faunamaster.com/garantiregistrering/>

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# Intended Use

The sprayer is used for spraying agricultural fields, food plots, algae treatment etc. (Pesticides and dangerous chemicals must be handled with caution according to the instructions in this manual and labels of the used products.)

This sprayer is equipped with a sprayer gun and a broadcast boom. If you only want to spray selected plants, use a sprayer gun. If you want to spray a large area of ground, use the sprayer boom.

Spray other liquids:

In addition to spraying pesticides, the sprayer can also be used for applying water to plants and trees. We recommend that once the spray has been used to spray pesticides, it should not be used for other purposes. Any chemicals will leave some residues in the fuel tank lining or sprayer components, even after the spray is cleaned correctly. These residual chemicals may have unexpected impacts on future use.

Note: If the sprayer is used for bleach, chlorine, anti-icing chemicals or any petroleum products (gasoline, diesel, kerosene, oil), the sprayer will be damaged and the warranty will be invalid.

The reliability and efficiency of this product depends on your care. The first step is to carefully read and pay attention to this operator's manual. It contains essential information for the efficient use and maintenance.

# General Chemical Safety

- READ and FOLLOW each chemical label's instructions and warnings.
- AVOID inhaling, ingesting, or coming into contact with any chemicals.
- KNOW applicable licensing and regulatory requirements for the chemical you plan to use.
- KNOW emergency procedures before handling chemicals. Also see First Aid instructions on the chemical label.
- WEAR protective clothing, eye protection, and chemical resistant gloves when filling, using and cleaning the sprayer. Wear additional protective gear, such as facemask or apron, as recommended on the chemical label.
- EXERCISE EXTRA CAUTION around children and pets. Pesticides are especially toxic to them, Keep sprayer and spray materials away from them at all times.
- DO NOT MIX OR POUR chemicals in an enclosed, unventilated area
- DO NOT USE flammable or corrosive chemicals in the sprayer.
- FLUSH the sprayer before switching chemicals in order to prevent dangerous chemical interactions.

# Summary of Important Safety Information

## Chemical Application Safety

### Before Spraying

- INSPECT and PREPARE sprayer before each use as directed in this manual.
- DO NOT TURN ON POWER to sprayer until ready to spray in order to avoid unintentional spray release.
- MAKE SURE BOOM NOZZLES ARE ORIENTED to spray straight down before starting the sprayer. An incorrectly positioned boom nozzle may spray chemicals on you or others.
- DO NOT SPRAY when wind speed exceeds 4 MPH in order to minimize spray drift.
- CLEAR work area of people/ pets and POST warning notices to restrict access for the period recommended on chemical label.
- KEEP sprayer and spray materials away from children/pets. Pesticides can be especially toxic to children and animals.
- DO NOT ALLOW anyone younger than 16 to operate sprayer since pesticides are especially toxic to children.

### During Spraying

- DO NOT OVERAPPLY pesticide. Apply at rate recommended by chemical manufacturer. Excess pesticide can be dangerous to humans/animals, damage desirable plants, and contaminate soil and water sources.
- DO NOT EAT, DRINK, SMOKE, RUB YOUR EYES, or TOUCH YOUR BARE SKIN while handling chemicals and spraying.
- NEVER POINT THE SPRAY GUN at people or animals.
- BE EXTRA CAUTIOUS when spraying near areas accessible to children and pets.
- CLEAN up spills immediately per instructions on the chemical label.
- TURN OFF vehicle and set brake or block wheels, TURN OFF power to sprayer, and RELIEVE system pressure, before leaving sprayer unattended.
- SEE Troubleshooting section of this manual before attempting any repairs. Wear personal protective equipment, and follow safety instructions.

### After Spraying

- CLEAN sprayer immediately after use according to the directions provided in this manual.
- DECONTAMINATE yourself after you are done spraying and have cleaned the sprayer. Wash all exposed areas, of the body with soap and water, and remove and launder clothing.
- DISPOSE OF or STORE remaining chemicals in secure storage with correctly marked container.

## ATV Vehicle Handling Safety





- DO NOT ALLOW drivers younger than 16 to operate ATV with sprayer attached.
- BE EXTRA CAUTIOUS of the handling of the ATV vehicle, and DO NOT exceed 5 MPH. The ATV / UTV could be less stable and perform very differently with filled sprayer attached. Exercise particular caution on sloped or rough surfaces to avoid rollover or damage to the sprayer or the sprayer boom.
- DO NOT RIDE WITH or TRANSPORT cargo on or attach to the sprayer.

# Unpacking

Closely inspect all contents on delivery.

Note that some parts are shipped inside the tank.

- Transportation may cause nuts and clamps to loosen. Please tighten all nuts and clamp-on after received.
- If you have missing or damaged components, please contact Faunamaster or your local dealer.

1	Sprayer body	
2	Auto Roll Assembly	
3	Left Boom Assembly	
4	Middle Nozzle Tube Assembly	
5	Right Boom Assembly	
6	Left Boom Mount	
7	Right Boom Mount	
8	Parts Bag	

# Assembly

Step 1 – Install the main sprayer body on the ATV/UTV.

Step 2 – Install the left and right boom mounts on the main sprayer body.

Step 3 – Install the left and right boom together, and install on the boom mounts.

Step 4 – Install the auto roll on top of the left boom arm.

Step 5 – Install the auto roll with the spray gun.

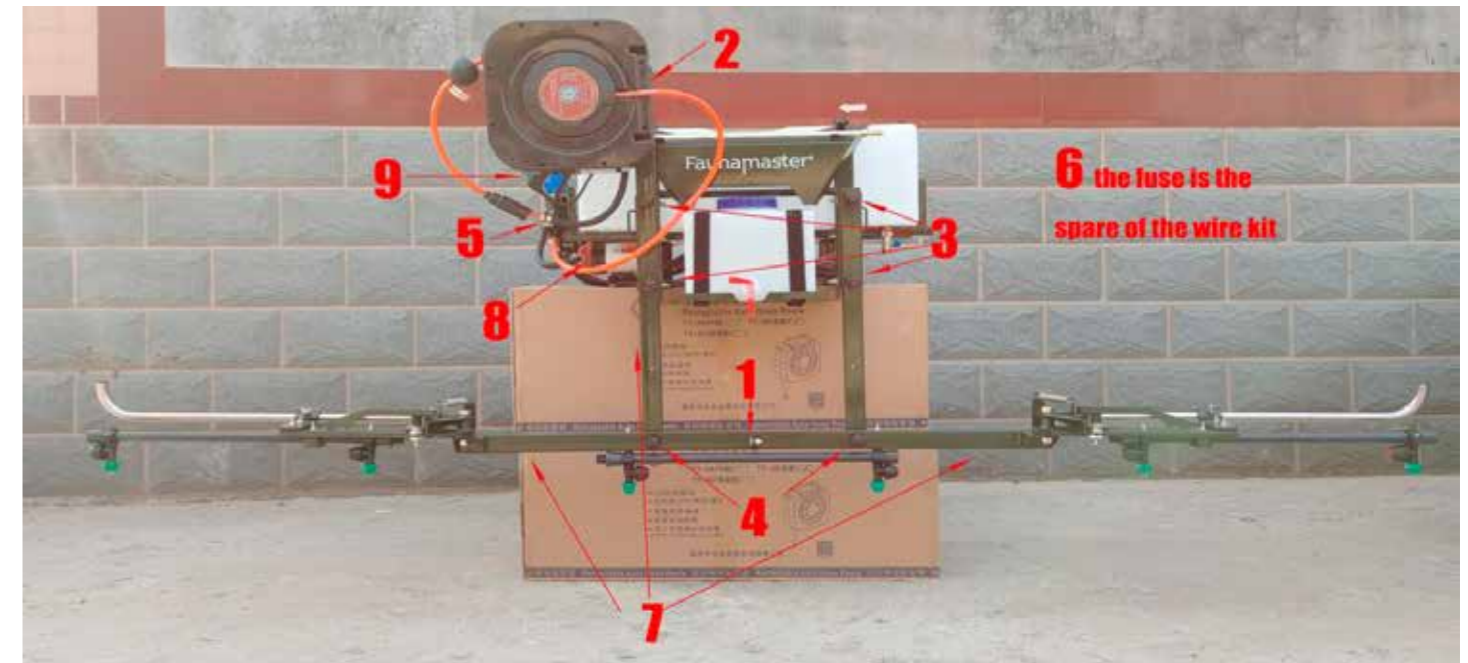
Step 6 – Install the 3 high-pressure hoses to the spray boom from left to right and fix with strips.

Step 7 – Install the pressure gauge on the controller unit.

Step 8 – Install the wire kit to vehicle battery and pump.

Step 9 – Check and test completed assembly.

- Check that the gun clip screws are tight, hose clamps are secure, and tank straps are properly fastened.
- While it is unlikely that factory assembled components become loose, they should also be checked to make sure they are tight.
- Fill the tank with water.
- Connect the wire harness to the pump power cord and turn the remote switch ON. The pump is an “on demand” pump. When turned on, the pump will prime itself, and then turn off. When the gun trigger is squeezed, the pump will automatically start.
- Operate the spray gun by squeezing the gun trigger.
- Check for leaks throughout the system. If a leak is detected, fix the leak and re-test the system with water.



# Operation – Using the Sprayer

## Step 1: Assess wind conditions and clear work area.

Before you decide to spray, you must determine whether wind conditions are suitable. You must also restrict access to the work area to ensure the safety of bystanders.

Note: Do not spray if wind speeds are greater than 4 MPH or if there are bystanders in the intended spray area.

## Step 2: Fill the sprayer.

ALWAYS wear personal protective equipment as described on the chemical label when handling pesticides. Long pants and sleeves, chemical resistant gloves, and eye protection are strongly recommended. Additional protective gear may be required depending on the particular pesticide.

## Step 3: Operate the sprayer.

1. Close the drain valve, see picture here below.



2. Open the filter valve (in the middle of the tank bottom).

3. Connect the power supply to ensure that the pump works properly.

4. Close the main valve to stir the insecticide;

5. When using the spray booms to spray insecticides, open the main valve and control the pressure regulating valve and the three section valves (from left to right, the three section valves control the three booms from left to right) according to the needs;

6. To use a spray gun, close the three-section valves.



# Daily maintenance

1. The sprayer has two stages of filtration, the pump front filter and spray nozzle filter, clean every 20 hours according to working hours.

2. The nozzle equipped with the sprayer is a No.2 fan-shaped nozzle, which can be replaced weekly according to the working time. The period is 80 hours. To achieve accurate spraying, please replace the nozzle on time.

## Nozzle overview

ID / IDK / IDKN / IDKT / DF / LU / AD / ST / SC

Lechler GmbH  
Agrardüsen · Agricultural Nozzles  
P.O. Box 13 23 · 72544 Metzingen (Germany)  
Phone +49 (0) 71 23 - 962 - 0  
Fax +49 (0) 71 23 - 962 - 480  
Internet: www.lechler-agr.com

Nozzle	bar	l/min	V/ha										Nozzle	bar	l/min	V/ha									
			5.0	6.0	7.0	8.0	10.0	12.0	15.0	20.0	25.0	30.0				5.0	6.0	7.0	8.0	10.0	12.0	15.0	20.0	25.0	30.0
-01 ID (50 M) IDK LU ST (50 M)	1.5	0.28	67	56	48	42	34	28	21	17	13	11	-03 ID IDK/IDKN IDKT LU AD/ST/SC (50 M) DF (50 M)	1.0	0.69	166	138	118	104	83	69	52	41	33	28
	2.0	0.32	77	64	55	48	38	32	24	19	15	13		1.5	0.84	202	168	144	126	101	84	63	50	40	34
	2.5	0.36	86	72	62	54	43	36	27	22	17	14		2.0	0.97	233	194	166	146	116	97	73	58	47	39
	3.0	0.39	94	78	67	59	47	39	29	23	19	16		2.5	1.06	259	216	185	162	130	106	81	65	52	43
	3.5	0.42	101	84	72	63	50	42	32	25	20	17		3.0	1.19	286	238	204	179	143	119	89	71	57	46
	4.0	0.45	108	90	77	68	54	45	34	27	22	18		3.5	1.28	307	256	219	192	154	128	96	77	61	51
	4.5	0.48	115	96	82	72	58	48	36	29	23	19		4.0	1.37	329	274	235	206	164	137	103	82	66	55
	5.0	0.51	122	102	87	77	61	51	38	31	24	20		4.5	1.46	350	292	250	219	175	146	110	88	70	58
6.0	0.55	132	110	94	83	66	55	41	33	26	22	5.0	1.53	367	306	262	230	184	153	115	92	73	61		
7.0	0.60	144	120	103	90	72	60	45	36	29	24	6.0	1.66	403	336	288	252	202	168	126	101	81	67		
8.0	0.64	154	126	110	96	77	64	48	38	31	26	7.0	1.81	434	362	310	272	217	181	136	109	87	72		
-015 IDK (50 M) IDKT LU AD ST (50 M)	1.5	0.42	101	84	72	63	50	42	32	25	20	17	-04 ID IDK/IDKN IDKT LU AD ST/SC (50 M) DF (50 M)	1.0	0.91	218	182	156	137	109	91	68	55	44	36
	2.0	0.48	115	96	82	72	58	48	36	29	23	19		1.5	1.12	269	224	192	168	134	112	84	67	54	45
	2.5	0.54	130	108	93	81	65	54	41	32	26	22		2.0	1.29	310	258	221	194	155	129	97	77	62	52
	3.0	0.59	142	118	101	89	71	59	44	35	28	24		2.5	1.44	346	288	247	216	173	144	108	86	69	58
	3.5	0.63	151	126	108	95	76	63	47	38	30	25		3.0	1.58	379	316	271	237	190	158	119	96	76	63
	4.0	0.68	163	136	117	102	82	68	51	41	33	27		3.5	1.71	410	342	293	257	205	171	128	103	82	68
	4.5	0.72	173	144	123	108	86	72	54	43	35	29		4.0	1.82	437	364	312	273	218	182	137	109	87	73
	5.0	0.76	182	152	130	114	91	78	57	46	36	30		5.0	2.04	490	406	350	306	245	204	153	122	98	82
6.0	0.83	199	166	142	125	100	83	62	50	40	33	6.0	2.23	535	446	382	335	268	223	167	134	107	89		
7.0	0.90	216	180	154	135	108	90	68	54	43	36	7.0	2.41	578	482	413	362	289	241	181	145	116	96		
8.0	0.96	230	192	165	144	115	96	72	58	46	38	8.0	2.58	619	516	442	387	310	258	194	155	124	103		
-02 ID IDK LU AD ST (50 M) IDKT DF (50 M)	1.5	0.56	134	112	96	84	67	56	42	34	27	22	-05 ID IDK LU AD ST/SC (50 M) IDKT DF (50 M)	1.0	1.14	274	228	195	171	137	114	86	68	55	46
	2.0	0.65	156	130	111	98	78	65	49	39	31	26		1.5	1.39	334	278	238	209	167	139	104	83	67	56
	2.5	0.73	175	146	125	110	88	73	55	44	35	29		2.0	1.61	386	322	276	242	193	161	121	97	77	64
	3.0	0.80	192	160	137	120	96	80	60	48	38	32		2.5	1.80	432	360	309	270	216	180	135	108	86	72
	3.5	0.86	206	172	147	129	103	86	65	52	41	34		3.0	1.97	473	394	338	296	236	197	148	118	95	79
	4.0	0.92	221	184	158	138	110	92	69	55	44	37		3.5	2.13	511	426	365	320	256	213	160	128	102	85
	4.5	0.98	235	196	168	147	118	96	74	59	47	39		4.0	2.28	547	456	391	342	274	228	171	137	109	91
	5.0	1.03	247	206	177	155	124	103	77	62	49	41		5.0	2.55	612	510	437	383	306	255	191	153	122	102
6.0	1.13	271	226	194	170	136	113	85	68	54	45	6.0	2.79	670	558	478	419	335	279	209	167	134	112		
7.0	1.22	293	244	209	183	146	122	92	73	59	49	7.0	3.01	722	602	516	452	361	301	226	181	144	120		
8.0	1.30	312	260	223	195	158	130	98	78	62	52	8.0	3.22	773	644	552	483	386	322	242	193	155	129		
-025 ID IDK IDKT LU LU SC (50 M)	1.5	0.70	168	140	120	106	84	70	53	42	34	28	-06 ID IDK LU ST (25 M) IDKT DF (50 M)	1.0	1.36	326	272	233	204	163	136	102	82	65	54
	2.0	0.81	194	162	139	122	97	81	61	49	39	32		1.5	1.67	401	334	286	251	200	167	125	100	80	67
	2.5	0.91	218	182	156	137	109	91	68	55	44	36		2.0	1.93	463	386	331	290	232	193	145	116	93	77
	3.0	0.99	238	198	170	149	119	99	74	59	48	40		2.5	2.16	518	432	370	324	259	216	162	130	104	86
	3.5	1.07	257	214	183	161	128	107	80	64	51	43		3.0	2.36	566	472	405	354	283	236	177	142	113	94
	4.0	1.15	276	230	197	173	138	115	86	69	55	46		3.5	2.55	612	510	437	383	306	255	191	153	122	102
	4.5	1.22	293	244	209	183	146	122	92	73	59	49		4.0	2.73	655	546	468	410	328	273	205	164	131	109
	5.0	1.28	307	256	219	192	154	128	96	77	61	51		5.0	3.05	732	610	523	458	366	305	229	183	146	122
6.0	1.40	336	290	240	210	168	140	105	84	67	56	6.0	3.34	802	668	573	501	401	334	251	200	160	134		
7.0	1.52	365	304	261	228	182	152	114	91	73	61	7.0	3.61	866	722	619	542	433	361	271	217	173	144		
8.0	1.62	389	324	278	243	194	162	122	97	78	65	8.0	3.86	926	772	662	579	463	386	290	232	185	154		

2 x V/ha  $\frac{0.5 \text{ m}}{100 \text{ m}} = \frac{V/ha}{200}$

V/ha = -04 x 2

80°/90°: h = 60 - 75 - 90 cm  
110°/120°: h = 40 - 50 - 70 cm

230 l/ha x 0.5 m x 8.0 km/h = 1.53 l/min  
600  
→ ID-120-03 (5.0 bar)

60 sec = 60 km/h  
45 sec = 80 km/h  
30 sec = 100 km/h

# Storage

When not in use, store the sprayer indoors. For long term or winter storage, prepare the sprayer by running RV antifreeze through the system. This will keep internal parts lubricated, protect against corrosion, and keep the unit from freezing.

## Troubleshooting

PROBLEM	CAUSE	SOLUTION
Pump will not turn on	Bad electrical connection	Check battery connections
	Fuse blown	Replace fuse
	Short in wires	Check condition of wires
	Low voltage	Check voltage
Low pressure	Worn spray gun nozzle	Replace spray gun
	Worn boom nozzle	Replace boom nozzle
Low flow	Clogged intake tube	Remove obstruction
	Clogged filters	Clean filters
	Low voltage	Check voltage
Poor spray distribution	Clogged intake tube	Remove obstruction
	Filters clogged	Clean filters
	Worn spray gun nozzle	Replace spray gun
Pump cycles while not spraying	Leak in the system	Tighten leaking hose clamps or fittings, replace spray gun

## Specifications

Model	3WP-70-3
Attachment to ATV&UTV	Bolt mounted
Tank	Polyethylene
Water Tank Capacity	70L
Fresh Water Tank Capacity	10L
Driving Force for ATV/UTV	Above 110CC
Sprayer Width	3000mm 6 nozzles
Pump Voltage/Current	12V / 12 A
Pump Pressure	17-160 PSI
Pump flow	1.8GPM/7.0 LPM
Hose Reel	10m
Net Weight	Around 42 Kgs
Package Dimensions	920*750*720mm

# Warning

Check and test the complete assembled sprayer, serious injury could result from chemical leaks if sprayer is improperly assembled or the design of the sprayer is modified.

Follow the steps below to ensure the sprayer is properly assembled. Never modify the sprayer design.

# Warranty

The warranty period of the Faunamaster sprayer 70 is 24 months, calculated from invoice date. During the 24 months warranty period, if the equipment is damaged or the performance deteriorates due to product quality, a warranty will be given.

The warranty does not cover wearing parts.

The warranty does not cover if the sprayer has been modified.

The warranty does not cover improper use or lack of maintenance

**Remember to make a registration of your Faunamaster product, to get the full warranty:**

<https://faunamaster.com/garantiregistrering/>

Fauna  
master  
**SPRAYER**

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