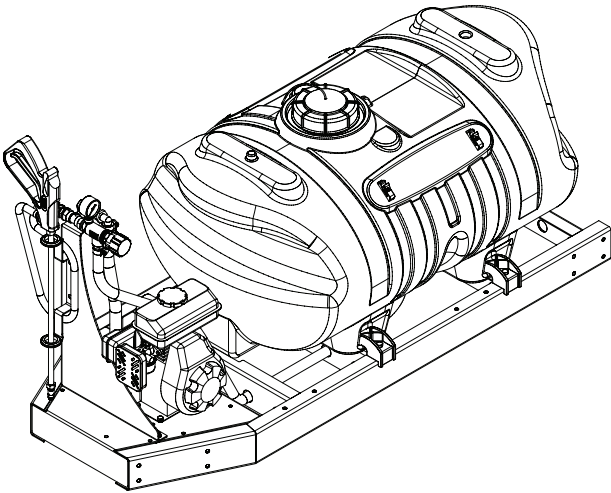


**5301336**  
**Model: SK-61-4R**  
**60 Gallon Skid Mounted Sprayer**

**ASSEMBLY / OPERATION INSTRUCTIONS / PARTS**



**BEFORE RETURNING THIS PRODUCT  
FOR ANY REASON, PLEASE CALL  
1-800-831-0027**

**IF YOU SHOULD HAVE A QUESTION OR  
EXPERIENCE A PROBLEM WITH YOUR  
FIMCO INDUSTRIES PRODUCT:  
1-800-831-0027**

**BEFORE YOU CALL, PLEASE HAVE THE  
FOLLOWING INFORMATION AVAILABLE:  
SALES RECEIPT & MODEL NUMBER. IN MOST  
CASES, A FIMCO INDUSTRIES EMPLOYEE CAN  
RESOLVE THE PROBLEM OVER THE PHONE.**

**GENERAL INFORMATION**

The purpose of this manual is to assist you in operating your sprayer. Please read it carefully as it furnishes information which will help you operate and maintain your sprayer.

**STOP WARNING STOP**  
**DO NOT USE PUMP IN AN EXPLOSIVE  
ENVIRONMENT. DO NOT USE TO PUMP  
FLAMMABLE FLUIDS, GASOLINE,  
KEROSENE, FUEL, OIL, ETC.**

**WARRANTY / PARTS / SERVICE**

Products are warranted for one year from date of purchase against manufacturer or workmanship defects.

Your authorized dealer is the best source of replacement

parts and service. To obtain prompt, efficient service, always remember to give the following information.

1. Correct part description and part number.
2. Model number of your sprayer.
3. Serial number of your sprayer.

Part number and descriptions can be obtained from the illustrated parts list section of this manual. Whenever you need parts or repair service, contact your distributor / dealer first. For warranty work, always take your original sales slip, or other evidence of purchase date, to your distributor / dealer.

**TECHNICAL SPECIFICATIONS**

- 2.5 H.P. Recoil Start Engine
- 4 Roller Pump - 6 G.P.M.
- Pressure Relief Valve
- Pressure Gauge
- Suction Line Filter
- 25 Ft. Hand Gun Hose
- Pistol Grip Spray Gun
- Optional Trailers & Boom Features Available

**ASSEMBLY INSTRUCTIONS**

The sprayer is completely assembled except for the pressure gauge, and the only other time any assembly is required is if you have purchased the optional trailer assembly, or optional boom assembly.

Note: Add proper oil to the engine crankcase and gasoline to the gas tank. Refer to the engine manual for the correct type and amount.

It is important to test the sprayer with plain water before actual spraying is attempted. This will enable you to check the sprayer for leaks in the plumbing system.

1. Open tank lid and be sure the tank is clean and free of foreign material. Fill the tank about half full with plain water.



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Form No. 804 (5004589 3/08) Printed In U.S.A.

2. Open the brass valve in the suction line and allow water to flow to the pump. The valve is located at this point to enable the strainer to be taken apart for cleaning.

**CAUTION: Always be sure that water has reached the roller pump before starting your sprayer. If the pump is run dry, serious damage to the pump will result.**

3. It is always best to start the sprayer at little or no pressure. This sprayer is equipped with a spring loaded relief valve. Turn the valve knob out to decrease pressure and in for increased pressure.
4. You may now start the sprayer engine following the engine manufacturers instructions. Let the sprayer run at low pressure until water has reached the handgun and all air has been purged from the system.

**CAUTION: Care must be taken, being sure the handgun is secured in the operators hand. If this is not done a recoiling action may occur causing damage or personal injury.**

## TESTING THE SPRAYER

1. The pressure should now be increased to 30-125 P.S.I. Operate the sprayer at this increased pressure for 3-5 minutes, thoroughly testing the unit before adding chemicals.

## AFTER SPRAYING

After use fill the sprayer part way with water, start the sprayer and allow clear water to be pumped through the plumbing system and out through handgun. Use the handgun to thoroughly wash all internal parts of tank and tank cover.

Refill the tank about half full with plain water and use a chemical neutralizer such as NUTRA-SOL or equivalent and repeat cleaning instructions above. Flush the entire sprayer with the neutralizing agent. Follow the chemical manufacturers disposal instructions of all wash and rinsing water.

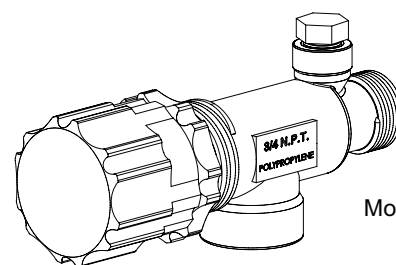
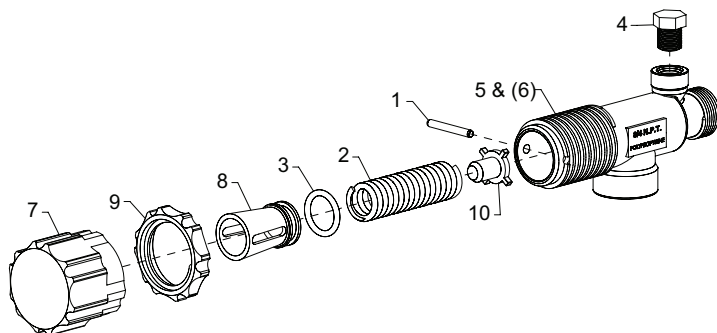
## WINTER STORAGE

Drain all water out of the sprayer paying special attention to pump, valves, and spray gun. These items are especially prone to damage from chemicals and freezing weather.

**The sprayer should be winterized before storage by pumping a solution of RV anti-freeze through the entire plumbing. Proper care and maintenance will prolong the life of the sprayer.**

## PISTON TYPE PRESSURE RELIEF/REGULATING VALVES

Bypasses excess liquid. Adjustable to maintain control of line pressure at any pressure within the valve operating range. Selected pressure setting firmly held in place by locknut. Extra large passages to handle large flows.



Model 23120

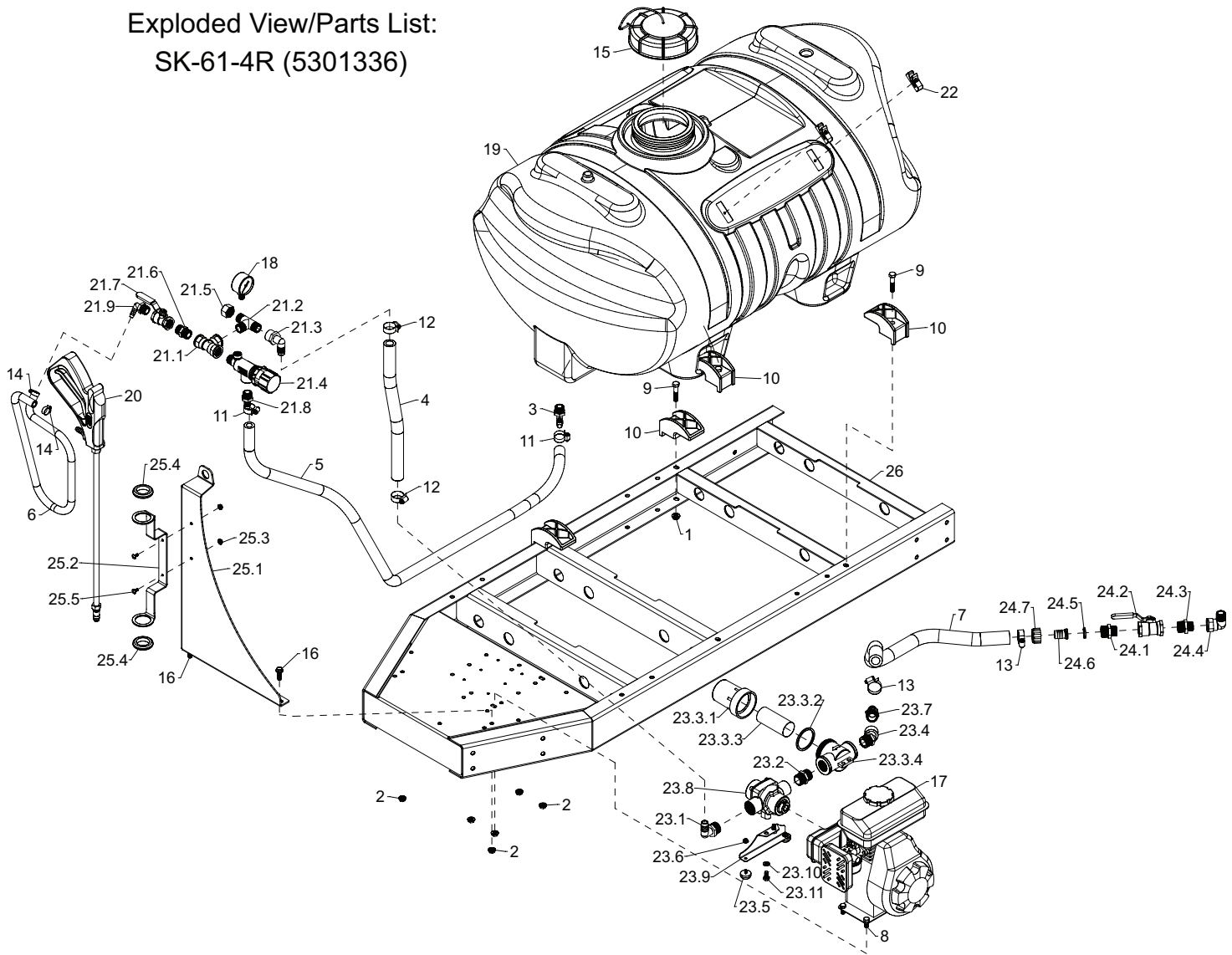
- Polypropylene with stainless steel spring
- Excellent chemical resistance
- EPDM O-Rings
- For pressure to 150 p.s.i.
- 1/4" port for pressure gauge
- Choice of 1/2" or 3/4" NPT (M) inlet & (F) outlet connections

FIMCO Number	Mfg Part Number	Description	List Price
5143199	23120-3/4-PP	3/4" Poly Valve	31.74
5143200	23120-1/2-PP	1/2" Poly Valve	31.74
5168717	PK-AB23120-KIT	Repair Kit, Items Marked **	15.64

Item No.	Part Number	Mfg Part Number	5143199 Qty	5143200 Qty	Description	List Price
1	**	CP23126-302SS	1	1	Retaining Pin	---
2	**	CP23127-302SS	1	1	Spring	---
3	**	CP7717-15-EPR	1	1	O-Ring, EPDM Rubber	---
4	---	---	1	1	Pipe Plug, 1/4" MNPT	---
5	---	CP23121-PP	1	-	Poly Body (3/4" NPT)	---
6	---	CP23128-PP	-	1	Poly Body (1/2" NPT)	---
7	5046270	CP23122-NY	1	1	Adjusting Cap, Nylon (Gray)	10.13
8	5108095	CP23124-PP	1	1	Spring Retainer	5.14
9	5110266	CP23123-PP	1	1	Lock Ring	5.42
10	5115078	CP23125-PP	1	1	Guide Seat	3.96

How to order: Specify valve number (Example: 23120-1/2-PP Polypropylene)

Exploded View/Parts List:  
SK-61-4R (5301336)



ITEM NO.	PART NUMBER	QTY.	DESCRIPTION	LIST PRICE
1	5006259	4	3/8"-16 Hex Whiz (Flange) Locknut	.25
2	5006307	6	5/16"-18 Hex Whiz (Flange) Locknut	.25
3	5010039	1	Nylon Elbow, 1/2" MNPT x 1/2" HB	.82
4	5020077	1	Hose, 5/8"-1 Brd. x 16"	2.22
5	5020123	1	Hose, 1/2"-1 Brd. x 60"	4.21
6	5020135	1	Hose, 3/8"-1 Brd. x 25 Ft.	14.50
7	5020378	1	Hose, 3/4"-2 Brd. x 21"	3.20
8	5034038	4	H.H.C.S., 5/16"-18 x 3/4"	.55
9	5034101	4	H.H.C.S., 3/8"-16 x 1 3/4"	.50
10	5038698	4	Plastic Tank Hold-Down Leg Clip	2.93
11	5051022	2	Hose Clamp, 1/2"	.62
12	5051023	2	Hose Clamp, 5/8"	.67
13	5051024	2	Hose Clamp, 3/4"	.67
14	5051114	2	Hose Clamp, 3/8"	.63
15	5058188	1	Tank Lid w/Lanyard	10.50
16	5117300	2	5/16"-18 x 1" Flange Whiz Lock Screw	.22
17	5152104	1	2.5 HP Engine	259.00
18	5167004	1	Gauge, 0-200# (Dry)	5.99
19	5169249	1	60 Gallon Elliptical Tank (White)	129.00
20	5273959	1	Handgun w/X-26 Tip	24.95
21	5274707	1	Valve Assembly	40.77
21.1	5010113	1	Nylon "Tee" Fitting, 1/2" FNPT	3.09
21.2	5010258	1	Poly Tee Fitting, 1/2" MNPT	5.47
21.3	5149085	1	Nylon Hose Fitting, 1/2" FNPT x 5/8" HB	1.80
21.4	5143200	1	Pressure Relief Valve (1/2" NPT)	29.62
21.5	5046392	1	Nylon Hex Cap, 1/2" FNPT	.56
21.6	5011054	1	Nylon Close Nipple, 1/2" MNPT	.41
21.7	5143197	1	1/2" T-800 Brass Ball Valve	8.99
21.8	5067017	1	Nylon Fitting, 1/2" MNPT x 1/2" HB	.48
21.9	5010038	1	Nylon Elbow, 1/2" MNPT x 3/8" HB	.75
22	5274880	1	Pkg. (2) Handgun Clips & (2) Screws	2.85

ITEM NO.	PART NUMBER	QTY.	DESCRIPTION	LIST PRICE
23	5274885	1	Pump Sub-Assembly	176.29
23.1	5010037	1	Nylon Elbow, 3/4" MNPT x 5/8" HB	.92
23.2	5011055	1	Nylon Close Nipple, 3/4" MNPT	.56
23.3	5116322	1	3/4" Black Poly Strainer	10.75
23.3.1	5058125	1	Strainer Bowl	9.60
23.3.2	5072229	1	EPDM Gasket	2.10
23.3.3	5116323	1	40 Mesh Screen	4.00
23.3.4	5046088	1	Strainer Cap	10.00
23.4	5010192	1	45 Degree Nylon Street Elbow, 3/4" NPT	1.60
23.5	5040004	2	Rubber-Headed Machine Screw Bumper (#10-24)	1.75
23.6	5006186	2	#10-24 Hex Whiz (Flange) Locknut	.10
23.7	5010020	1	Nylon Fitting, 3/4" MNPT x 3/4" HB	.61
23.8	5275495	1	4-Roller Pump (Cast Iron)	149.00
23.9	5038730	1	Torque Bracket	3.95
23.10	5016026	2	Lockwasher, 5/16"	.25
23.11	5034154	2	H.H.C.S., 5/16"-18 x 5/8"	.25
24	5274939	1	Tank Valve Assembly	14.45
24.1	5005022	1	Nylon Male Street Adapter, 3/4" MGHT x 3/4" MNPT	.48
24.2	5143190	1	3/4" "T-800" Brass Ball Valve	9.99
24.3	5011129	1	Nylon Reducing Nipple, 3/4" MNPT x 1/2" MNPT	.50
24.4	5010148	1	Nylon Street Elbow, 1/2" MNPT x 1/2" FNPT	2.16
24.5	5016066	1	Garden Hose Washer	.20
24.6	5149013	1	Nylon Swivel, 3/4" Flat Seat Hose Barb	.37
24.7	5006055	1	Nylon Swivel Nut, 3/4" FGHT	.48
25	5275405	1	Valve Mount Sub-Assembly	31.23
25.1	5038704	1	Valve Mount Bracket	11.61
25.2	5038638	1	Handgun Holder Bracket	9.32
25.3	5006186	2	#10-24 Hex Whiz (Flange) Locknut	.10
25.4	5075014	2	Rubber Grommet (Black)	2.79
25.5	5117234	2	#10-24 x 1/2" Phillips Truss Head Machine Screw	.25
26	5275758	1	Skid Frame (RED: 60 Gal.)	201.64