



ACCESSORIES



SP1® BACKPACK SPRAYER



State-Of-The-Art Operation & Comfort

By integrating a convenient size sprayer with a knapsack, the SP1® Sprayer offers you the most comfortable way possible to perform professional spraying projects.

The pumping handle has been designed to fold against the side of the sprayer for easy storage. In addition, the spray wand clips onto the handle, freeing your hands to perform other tasks while still wearing the sprayer on your back. This innovation also keeps the wand from falling to the ground and being lost or damaged.

The Diaphragm Pump – The heart of the SP1

The diaphragm pump is the working heart of the SP1 Sprayer. It has been skillfully engineered so there is no friction between moving parts. There are no nuts or bolts to tighten or adjust, thus eliminating leaks from worn out O-rings, gaskets or loose nuts and bolts.

Designed For Safety

SP Systems™ SP1 Sprayer offers unique features for increased safety and ease of operation. We've integrated a check valve on the cap to prevent possible leaks caused by tipping. We've also enlarged the mouth and cap to 6" for easier filling and cleaning. Next we added a convenient carrying handle to make the unit easier to transport and use.

Made To Last

The SP1 Sprayer has been designed to virtually eliminate repairs. We have avoided the use of all corrosive metal parts in the internal mechanism of the sprayer, thus eliminating rust and related problems. The polyethylene tank has been treated with UV inhibitors that protect it against harmful ultraviolet rays.

The unit also features polyester straps (as opposed to leather or plastic) that will not absorb chemicals and can be easily washed. Another benefit of the straps is that they won't become brittle and crack.

More Advantages Of The SP1

The SP1 features an adjustable nozzle that goes from a stream to a cone (mist). The unit will accept TeeJet® nozzles, as well as most common spray nozzles.

Furthermore, the SP1 diaphragm pump can maintain a higher pressure than any other diaphragm pump on the market. It reaches as much as 70 PSI while other units are limited to a maximum of 40 PSI.

Specifications

Body: Polyethylene plastic

Capacity: 4 gallons

Maximum working pressure: 70 PSI

Weight (empty): 9.92 lbs.

Weight (full): 41.92 lbs.

MOTORIZED BACKPACK



Model SP 818

- 4 Cycle air cooled gas motor
- Double piston pump
- 6.2 Gallon capacity
- Maximum pressure 300 PSI
- Ship weight 22 lbs.

SPRAY BOOMS

Dramatically reduce the time needed to do the job by doubling or tripling the width of your spray path. Helps ensure uniform coverage and reduce chemical use. Can use with any of our nozzles.

Two Nozzle Boom - covers approximately 40"
Kit W098-EB (supplied without nozzles)



Three Nozzle Boom - covers approximately 60"
Kit W0420-EB (supplied without nozzles).

SPRAY SHIELDS



Effectively protect surrounding plants from wind-borne mist, confine spray within a 110° or 80° area.

Kit W099-SD (16")
Kit W117-SD (9")

Shop Talk

Calibrating Backpack Sprayers

Maintaining a constant walking speed is the most important objective when using a backpack or knapsack sprayer. When spraying, either hold the nozzle steady at a constant height and walk back and forth or swing the nozzle in a sweeping, overlapping motion. When making multiple passes in a turf area, overlap the area between the passes for a uniform application.

Calibration of a backpack sprayer for applying chemicals per 1000 FT² may be determined in the following manner. Measure an amount of water and pour it into the sprayer. Next, spray a measured area of exactly 1000 FT² (for example: 20 ft. x 50 ft.). After spraying the area, measure the amount of water remaining in the tank. Subtract the amount of water remaining in the sprayer from the amount with which you started; this difference is the application volume.

- Example:
- 4 gallons of water are poured into the backpack sprayer.
 - 2 gallons are left in the sprayer after spraying a measured 1000 FT² area.
 - 4 gallons – 2 gallons = 2GAL/1000FT²





HUDSON PROFESSIONAL SPRAYERS

All backpack and compression sprayers that we carry feature the same 11/16" nozzle thread featured on our TeeJet nozzles and accessories making it easy to get exactly the pattern you need.



Super Sprayer – Wide polyethylene tank has 6 feet for stability, large funnel top opening and a locking pressure release. Extra large pump handle and trigger valve for gloved hands, with an 18" wand and both a fan and a cone nozzle.

Part # 90162 2 gallon
 # 90163 3 gallon



Commercial Sprayers – Stainless steel tank with viton seals and steel pump handle. Heavy duty brass shut-off with brass extension and fan nozzle.

Part # 97291 1 gallon
 Part # 97292 2 gallon



Supply Tank – Large 4 gallon polyethylene tank with poly hand pump and choice of two outlet connections (shut-off not included)

Model # 91134 3/4" male GHT
 Model #KW96583-1 3/8" hose barb with pressure gauge



Industro Sprayers – Heavy duty stainless steel tank with special offset brass pump with stays inside the sprayer. Longer pump for faster pressure. Separate inner seal opening is easy to fill and empty.

Part # 91703 2.5 gallon
 Part # 91704 3.5 gallon

Model	Actual Capacity	Rec. Tank Max. Fill	Tank Type
91703	3.0 gal.	2.5 gal.	Stainless Steel
91704	4.0 gal.	3.5 gal.	Stainless Steel

CF VALVE

Regardless of the amount of pressure pumped into the sprayer, the valve maintains a maximum pressure and steady flow at the nozzle. When pressure in the tank falls below the amount set by the valve, the spray immediately shuts off. Thus, accurate calibration comes easy.

Ideal for any Sprayer

- Saves big on spray materials - up to 24% reduction.
- Constant spray pattern. Easy calibration.
- Fits between spray wand and nozzle. Fast, easy installation.
- Self-cleaning - not affected by dirt or debris.
- Made of non-corrosive, high-grade Delrin® for long life.
- Controls flow rate 1.5% accurate regardless of input pressure.



Order Number	Description	Color
98661	14.5 PSI; 11/16 thread	yellow
98662	21 PSI; 11/16 thread	red
98663	29 PSI; 11/16 thread	blue
98664	43.5 PSI; 11/16 thread	green

1-800-247-4998

TEEJET® - LOW-PRESSURE FLAT SPRAY TIPS



65°, 80° & 110° LP Series Stainless Steel and Brass

- Less clogging
- Longer wear life
- Larger droplets to reduce drift

How to order:

Example: TP8002LP-SS (Stainless Steel)
TP6505LP (Brass)

The LP TeeJet® spray tips are designed specifically to operate as low as 15 PSI, providing the same spray performance, spray angle, flow rate and liquid distribution at 15 PSI, as the standard TeeJet® tips at 40 PSI. Lower operating pressures and larger orifices increase wear life of tips. This helps to diminish clogging problems and provides larger spray droplets than those from the standard tips. Patented orifice inlet design provides good tapered edge liquid distribution at lower pressures.

See capacity chart on page 106

CONEJET® - #5500 ADJUSTABLE SPRAY TIP

Adj. ConeJet Tip No.	Performance	Liquid Pressure in PSI											
		20 PSI		30 PSI		40 PSI		60 PSI		100 PSI		150 PSI	
		A	B	A	B	A	B	A	B	A	B	A	B
5500-X1	Capacity-GPM	—	.049	.015	.061	.017	.07	.02	.086	.025	.11	.028	.14
	Spray Angle	—	38°	—	54°	—	71°	—	80°	—	83°	—	—
	Max. Throw-Ft.	—	19	1	22	1.5	24	1.5	26	1.5	26	1.5	26
5500-X2	Capacity-GPM	.025	.091	.03	.11	.033	.13	.04	.16	.05	.20	.058	.25
	Spray Angle	40°	—	60°	—	68°	—	75°	—	80°	—	83°	—
	Max. Throw-Ft.	1.5	23	1.5	26	2	27	2	28	2	28	2	28
5500-X3 5500-PPB-X3	Capacity-GPM	.037	.13	.045	.17	.05	.19	.058	.23	.073	.30	.088	.37
	Spray Angle	57°	—	68°	—	72°	—	76°	—	80°	—	82°	—
	Max. Throw-Ft.	2	27	2	30	2	31	2	31	3	31	3	31
5500-X4	Capacity-GPM	.05	.18	.058	.22	.067	.25	.08	.31	.10	.40	.12	.49
	Spray Angle	61°	—	70°	—	73°	—	77°	—	80°	—	81°	—
	Max. Throw-Ft.	2.5	30	2.5	33	3	34	3	34	3	34	3	34
5500-X5 5500-PPB-X5	Capacity-GPM	.061	.21	.076	.26	.082	.30	.10	.37	.13	.48	.15	.58
	Spray Angle	61°	—	70°	—	74°	—	77°	—	80°	—	81°	—
	Max. Throw-Ft.	2.5	31	2.5	34	3	35	3	35	3	35	3	35
5500-X6	Capacity-GPM	.073	.26	.087	.32	.10	.37	.12	.45	.15	.58	.19	.71
	Spray Angle	65°	—	71°	—	74°	—	77°	—	80°	—	80°	—
	Max. Throw-Ft.	2.5	32	3	35	3	36	3.5	36	3.5	36	3.4	36
5500-X8 5500-PPB-X8	Capacity-GPM	.097	.33	.12	.40	.13	.47	.16	.57	.21	.74	.25	.90
	Spray Angle	66°	—	71°	—	74°	—	77°	—	80°	—	80°	—
	Max. Throw-Ft.	3	34	3	37	3	38	3	38	4	38	4	38
5500-X10	Capacity-GPM	.12	.42	.15	.52	.17	.60	.21	.73	.26	.94	.31	1.2
	Spray Angle	68°	—	72°	—	75°	—	78°	—	80°	—	80°	—
	Max. Throw-Ft.	3	35	3.5	38	3.5	39	4	40	4	40	4	40
5500-X12 5500-PPB-X12	Capacity-GPM	.15	.49	.18	.60	.20	.69	.24	.84	.31	1.1	.38	1.3
	Spray Angle	69°	—	73°	—	76°	—	78°	—	80°	—	80°	—
	Max. Throw-Ft.	3.5	36	4	39	4	40	4	41	4	41	4	41
5500-X14	Capacity-GPM	.17	.55	.20	.67	.23	.78	.29	.95	.37	1.2	.45	1.5
	Spray Angle	70°	—	74°	—	76°	—	78°	—	80°	—	80°	—
	Max. Throw-Ft.	3.5	37	4	40	4	41	4	41	4.5	41	4.5	41
5500-X18 5500-PPB-X18	Capacity-GPM	.21	.69	.26	.84	.30	.97	.37	1.2	.47	1.5	.58	1.9
	Spray Angle	71°	—	75°	—	77°	—	78°	—	80°	—	79°	—
	Max. Throw-Ft.	4	38	4	41	4	42	4	42	5	42	5	42
5500-X22	Capacity-GPM	.26	.83	.32	1.0	.37	1.2	.45	1.4	.58	1.9	.70	2.3
	Spray Angle	71°	—	75°	—	78°	—	79°	—	80°	—	78°	—
	Max. Throw-Ft.	4	39	4.5	41	5	42	5	42	5	42	5	42
5500-X26	Capacity-GPM	.31	.98	.37	1.2	.43	1.4	.53	1.7	.68	2.2	.83	2.7
	Spray Angle	72°	—	76°	—	78°	—	79°	—	80°	—	78°	—
	Max. Throw-Ft.	4.5	40	5	42	5	43	5.5	43	5.5	43	5.5	43



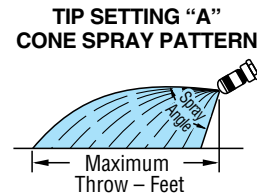
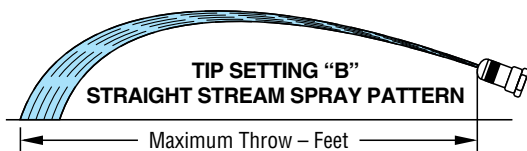
#5500-PP

The 5500 Adjustable ConeJet® tip is also available in a polypropylene version. The polypropylene tip has the same performance characteristics as the brass tip and provides excellent chemical resistance. This tip's light weight makes it well-suited for use on hand held and backpack type sprayers.



#5500 for
Capacities from
0.071 to 1.9 GPM

Knurled body of tip rotates through a half turn to provide spray selection from wide angle, finely atomized cone spray to a straight stream spray. Tip settings "A" and "B" represent two extreme points of rotation in tip adjustment.





ELECTRONIC DIGITAL TURBINE METER

GPI Electronic Digital Turbine Meters combine high technology computer accuracy with turbine accuracy for the ultimate in low cost liquid flow measurement.

GPI meters are self-contained turbine flow sensors with integral, battery powered flow computers. Their lightweight compact design allows installation where other meters cannot be used.

GPI meters are trouble-free. The turbine rotor is the only moving part and there are no seals. The turbine rotor spins at a speed proportional to flow. Signal generators in the rotor produce pulses that are electronically sensed, converted to units and displayed.

GPI meters are supplied with factory calibration for non-viscous fluids. When conditions change, an uncomplicated Field (User) Calibration procedure can be performed to keep meter accuracy high. The field calibration also makes it convenient to measure in nonstandard units.

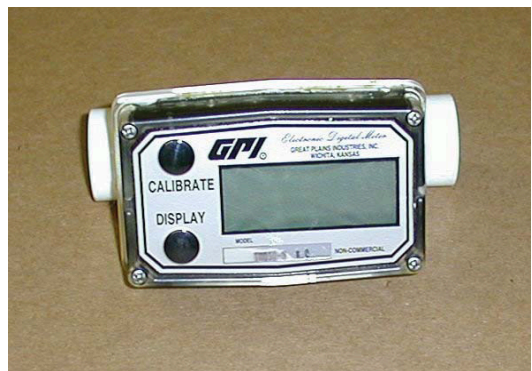
With a large selection of display features, flow ranges, working pressures and material compatibility, Great Plains Industries, Inc. has the right meter for your needs.



GM Series Meters

Model #	Body Material	Max. PSI	Flow Range GPM	Calibrations
01N31GM	Nylon	150	3-30	Factory Only (water)
03N30GM	Nylon	150	0.3-3	Factory & Field
03N31GM	Nylon	150	3-30	Factory & Field
03S31GM	Stainless Steel	800	3-30	Factory & Field

- 1" FNPT Parts
- Maximum pressure
 - Nylon 150 PSI
 - Stainless steel 800 PSI
- Two flow ranges
- Field replaceable batteries
- Keeps two totals
 - One locked
 - One resettable



TM Series Meters

Model #	Post Size	Flow Range
TM050-N	1/2" FNPT	1-10 GPM
TM075-N	3/4" FNPT	2-20 GPM
TM100-N	1" FNPT	5-50 GPM
TM150-N	1 1/2" FNPT	10-100 GPM
TM200-N	2" FNPT	20-200 GPM

- Batch and cumulative total
- Flow rate (gallons per minute)
- 1 field calibration
- PVC body, threaded ports
- Maximum pressure 150 PSI

Shop Talk

INSTALLING FLOWMETERS

#1 Read the owners manual.

#2 Turbine style flowmeters should be installed with 6-8" of straight pipe on both sides. Pipe should be the same size as meter ports.

#3 If meter continues to read flow when spray is stopped, make sure there are no bypasses after meter, move meter away from engine vibrations and tilt meter to a 45° angle.

FLOW MASTER ELECTRONIC DIGITAL FLOW METER BY GREEN GARDE®



Model 38950 .3 to 3 GPM
Model 38951 1 to 10 GPM

Features:

- Measure flow rates from 1.0 to 10 GPM or .3 to 3 GPM.
- Measure volumes up to 10,000 gallons.
- Handles working pressure from 5 to 500 PSI; burst pressure is 1,000 PSI.
- High accuracy of ± 2%.
- Compact, lightweight, easy to use.
- Powered by long-lasting, field replaceable 9-volt battery.



Now, with Flow Master® brand electronic digital volumetric flow meters by Green Garde®, you can accurately measure the rate of flow and total amounts applied for all of your liquid applications.

MICRO - TRAK FLO-PRO™ FLOWMETER CONSOLE

- Monitors flow of up to three independent flowmeters.
- Features a batch and total counter with a gallon set key for each flowmeter input.
- Records total volume to the nearest tenth of a gallon.
- Set key allows for predetermined gallon measurement to be entered.
- Built-in relay activates horn or other audible device to alert operator when a set point is reached.
- Flowmeters offering a wide range of capacities, are available to fit your varying application needs.
- Non-volatile memory so settings and totals are retained with power off.
- User selectable English and Metric measurement units.

Part # 00101



00101 Flo-Pro Customized (choose flowmeter kit(s) from below)

Flowmeters:

- 00131 FM500 Flowmeter Kit .5-5 GPM / 500 PSI MAX
- 00168 FM750 GFN Flowmeter Kit 2-40 GPM / 150 PSI MAX
- 00105 FM750 SS Flowmeter Kit 2-40 GPM / 500 PSI MAX
- 00257 FM750 SS Flowmeter Kit w/ceramic ball 2-40 GPM / 500 PSI MAX
- 00200 FM1000 SS Flowmeter Kit 3.5-70 GPM / 500 PSI MAX
- 00163 FM2000 P Flowmeter Kit 19-198 GPM / 285 PSI MAX

KESTREL POCKET WIND METERS

All Kestrel wind and weather instruments are accurate, durable and easy to use. Each model is waterproof and comes with a protective case and lanyard. Other models available by special order. Call for details.



Model K1000

- Current wind speed
- Maximum wind gust
- Average wind speed



Model K2000

- All features of K1000
- Temperature
- Windchill



Model K3500

- All features of K2000
- Relative humidity
- Barometric pressure
- Altitude

WM - 200 WINDMATE™



Wind meter with wind direction

- Digital wind direction in degrees & compass points
- Cross & head/tail wind readings
- Temperature
- Windchill
- Reads in tenths
- Backlight
- Tripod fitting

WIND WIZARD



Economy wind meter

- Wind speed
- Temperature
- Auto shut-off

WIND METER



Hand held wind meter is simple, rugged and accurate up to 66 MPH. Features dual range for more accurate readings below 10 MPH. Perfect accessory for spraying, sailing, golfing or any outdoor activity.

Model WM60

80 LB CAPACITY ROTARY SPREADER



Built with a high-wheel design for easy maneuverability, this heavy-duty spreader has been the standard of the green industry for years. The polyethylene 80-lb. capacity hopper and stainless steel frame make it durable and reliable. Easy rate-adjustment mechanism, stainless steel screen and oscillating agitator give you steady and precise material flow. Optional attachments include a vinyl hopper cover with a clear center, a deflector kit and a remote 3rd hole kit.



Motorized spreading equipment by Cub Cadet Commercial is also available. Please call for details.

SPREADER HOLDER



STAINLESS STEEL



Avoid spills and costly repairs to your spreader. Heavy duty stainless steel bracket securely holds spreader in place. Adjusts to fit most popular spreaders.

Model 133SPH-1

1-800-247-4998



ASK -1 SPILL KIT

AABSORB™ CHEMICAL SPILL KIT CONTENTS:

- Size: 40 gal water based bucket spill kit
- 2-4' absorbent sox
- 1.3 lbs AAB-SORB™ powder
- 1pr - gloves
- 1pr - goggles
- 1 - disposable coverall
- 1pr - disposable boot covers
- 1 - scoop
- 1 - disposable mask
- 1 - 5 gallon D.O.T. bucket



WATER JUG RACK



Stainless steel rack holds a 5 gallon jug. A quick source of fresh water for cleanup or rinsing tank and pump when the job is over.

K550 Stainless Steel Rack
K500 5 Gallon Poly Jug

NITRILE GLOVES



Offers superior resistance to abrasion, cuts and punctures. Durable but flexible enough for delicate work. 14 mil.

#640NGO Size 10 (XL)
#640NGO-1 Size 11 (XXL)

