

# Battery Backpack Sprayer



a Pelsis Group Brand  pelsis

2019

Battery Life: **4 hrs**

Lithium battery: **18V**

Recharge: **3.5 hours**

On-demand  
**diaphragm pump**  
**maintains 40 psi**  
**in tank**

Perimeter **4-way** Tip



# Harness

**Ballistic grade nylon**  
with padded shoulder  
straps and added  
moisture wicking  
ability...

...back with lumbar  
support pad



# 4-Gallon Tank

**Ergonomic design** and  
wide support base

**Translucent tank** with  
gallon and liter marks

**Leak-prevention cap**  
with check valve



# Standard Model

**2 Batteries**



**1 Charger**



**4-way Tip**



**XR-Valve**



**18 inch Extension**



**Model # 12014280**

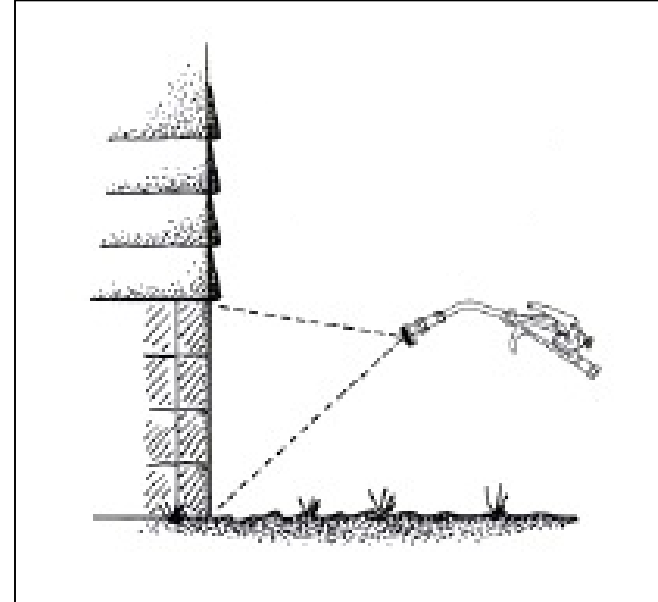
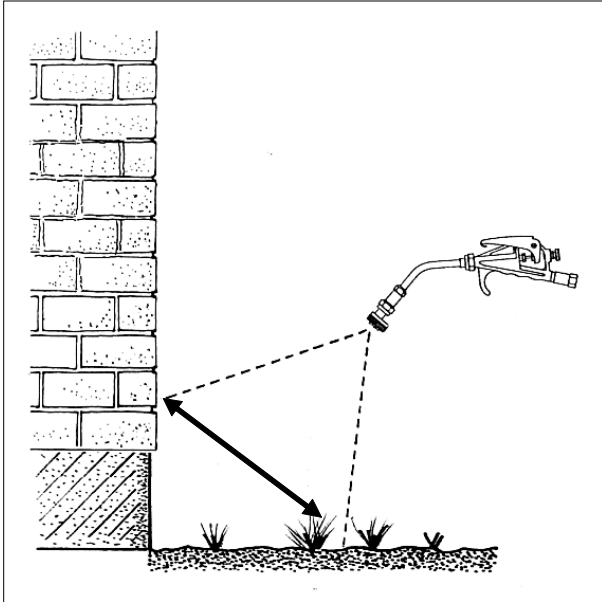


# Perimeter 4-way Nozzle



2 fan sprays: **50015** = 17 oz. / minute  
**8003** = 33 oz. / minute

# Coarse Fan Spray



**Fan spray** patterns give the recommended treatment for foundations

# Perimeter 4-way Nozzle



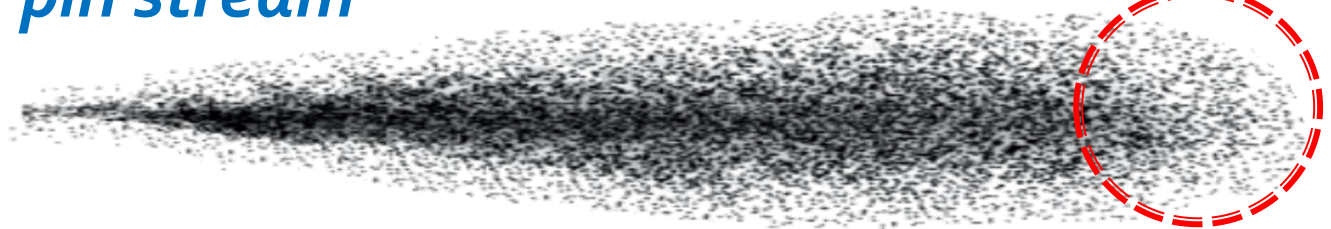
**2 pin streams:** 9 ounces / minute  
4.5 ounces / minute



# Pin Stream Spray

*Large pin stream*

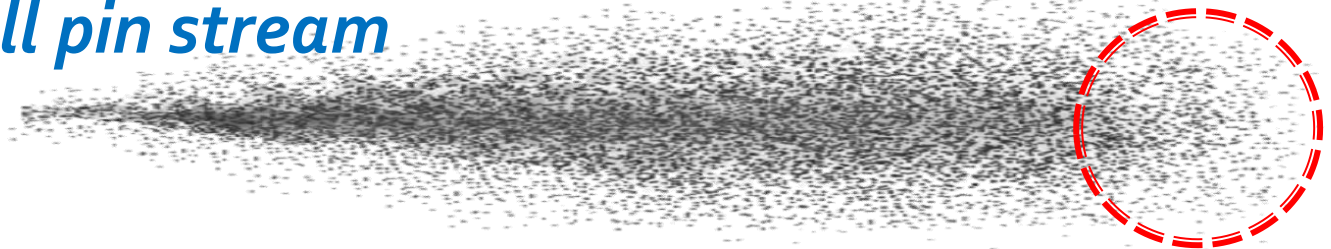
*2 oz. / 15 sec.*



*26 - 28 feet*

*Small pin stream*

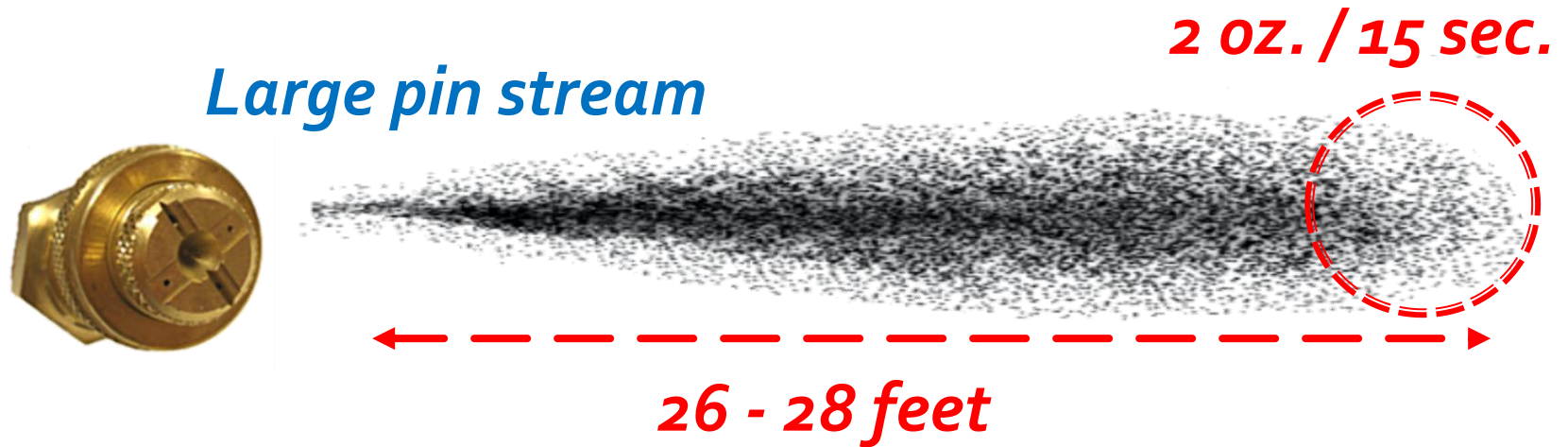
*1 oz. / 15 sec.*



*24 - 26 feet*



# Pin Stream Application



Use pin stream to treat  
wasp nests under  
soffits...deliver **2 ounces**  
to nest **in 15 seconds**



# Battery Charger

- **AC Battery Charger**  
recharges battery in  
**3.5 hours**

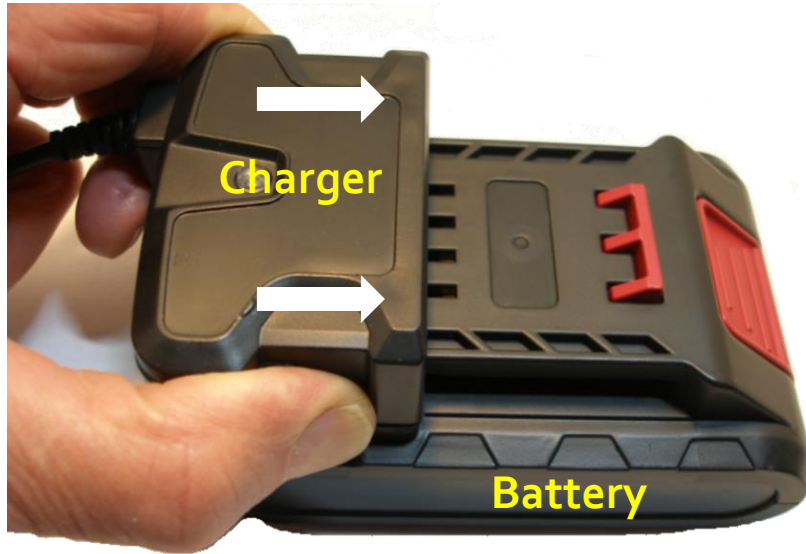


110 V Charger

Battery must  
be charged  
before first use



# Attaching Charger



**Slide charger**  
onto top of  
the battery



**Press lock**  
and pull charger  
from battery



# Charging Indication

Flashing **green** light = battery charging

Steady **green** light = battery fully charged

Steady **red** light = battery damaged

Flashing **red** and **green** = battery damaged



Flashing  
LED light

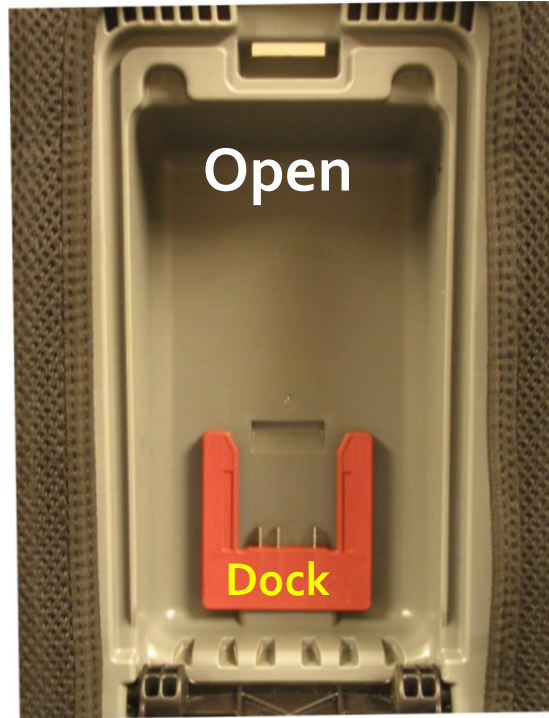
...allow battery to  
cool before  
recharging...



# Battery Compartment



**Padded  
cover**

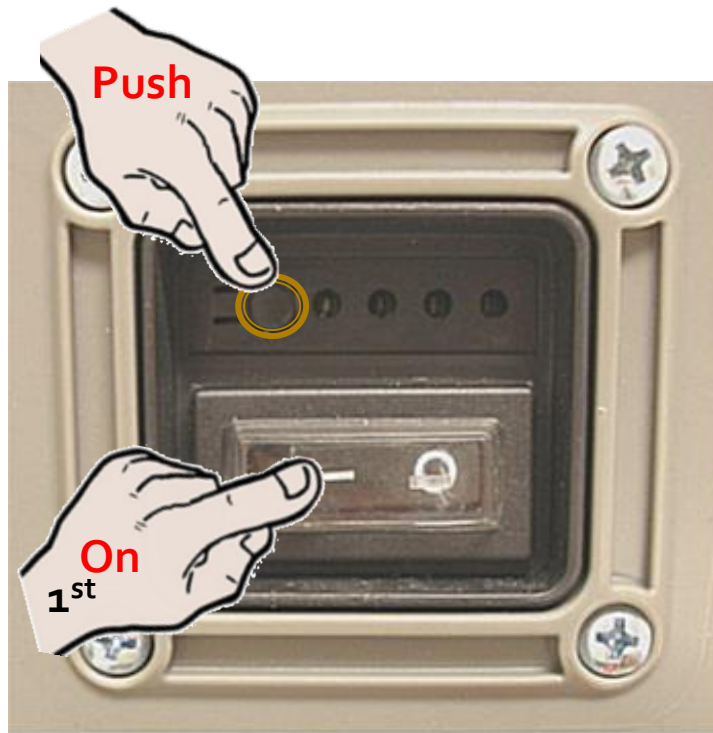


**Battery  
dock**

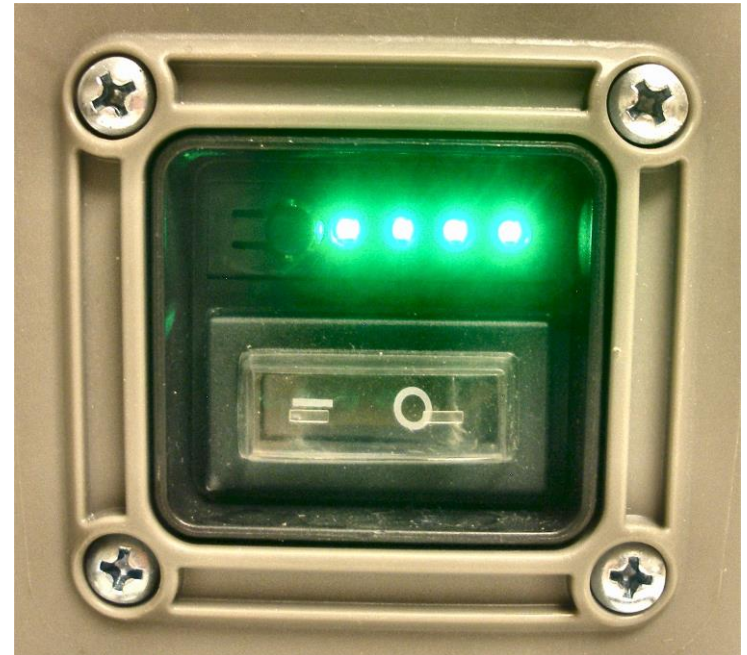


**Battery in  
place**

# Current Battery Charge



5 second  
display



**Push button:** Green lights indicate  
amount of remaining charge

# Battery Charge Indicator

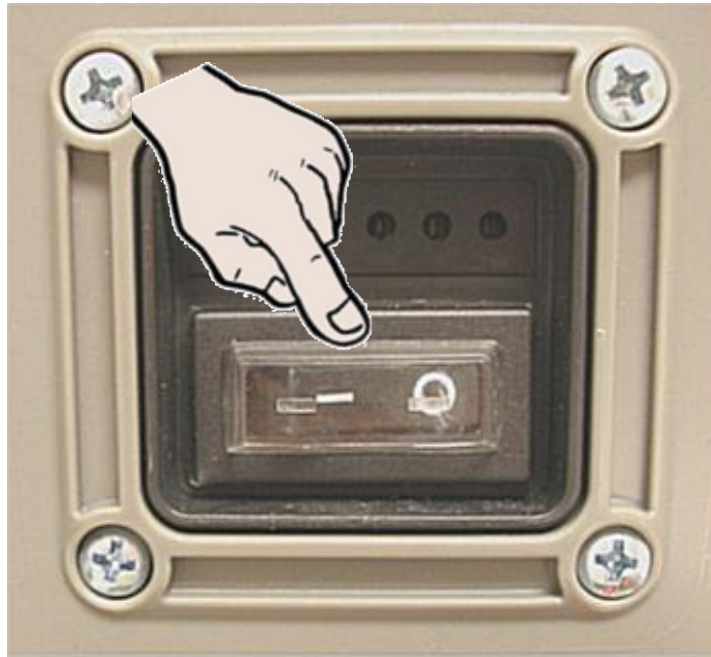
**Amount of  
remaining charge:**

- 4** lights = 100%
- 3** lights = 75%
- 2** lights = 50%
- 1** light = 25%



**Showing 50% charge**

# Pump On / Off Switch



**On / Off switch** protected by  
water-resistant cover



# Empty Tank

Power switch  
must be **Off** when  
**the tank is empty...**  
...to reduce stress  
on the pump...



**Note: Do not** run  
the tank to empty



# Inside the Tank

**Filter  
twists and  
locks onto  
base**



**Stainless steel  
mesh screen**

# Top of the Tank



Cap with check  
valve and filter  
with gasket



# B&G vs. FlowZone

Average linear ft. / residential = 170 ft.  
Amount Termidor SC / linear ft. = 0.4 oz.  
Amount to treat 170 linear ft. = **68 oz.**

**B&G Power Backpack** - **4 min. spraying**  
**Nozzle: 17 oz. / minute = 68 oz.**



**FlowZone Backpack** - **4 min. spraying**  
**Nozzle (low): = 96 oz. / minute = 384 oz.**  
**Nozzle (high): = 128 oz. / minute = 512 oz.**



**FlowZone wastes 2.5 to 3.5 gallons**

# Application Economics

Cost of Termidor SC / finished gallon = \$2.90



## B&G Power Backpack:

4 minutes spraying, 1/2 gal. applied

Cost of treatment = \$1.45

Treat 10 accounts = **\$14.50**



## FlowZone Backpack:

4 minutes spraying, 3 gal. applied

Cost of treatment = \$8.70

Treat 10 accounts = **\$87.00**

# B&G vs. Chapin

Average linear ft. / residential = 170 ft.

Amount Termidor SC / linear ft. = 0.4 oz.

Amount to treat 170 linear ft. = **68 oz.**

**B&G Power Backpack - 4 min. spraying**  
**Nozzle: 17 oz. / minute = 68 oz.**

**Chapin Backpack - 4 min. spraying**  
**Nozzle: = 52 oz. / minute = 208 oz.**

**Chapin wastes 1 gallon...and the  
spray produces droplet drift**





# Power Backpack **vs.** Spray Rig

- Stop **dragging hoses**
- Stop **damaging shrubs**
- Stop **over-application**

**B&G Power Backpack  
ends the stress of spray  
rigs and reduces waste**



# Troubleshoot



Power switch



4-way nozzle



Filter

PROBLEM	SOLUTION
<b>Sprayer pump will not turn on</b>	<ul style="list-style-type: none"><li>• Power switch in <b>On</b> position</li><li>• Insert battery correctly</li><li>• Charge battery</li></ul>
<b>Sprayer turns on, but no spray</b>	<ul style="list-style-type: none"><li>• Allow 45 seconds for pump to prime</li><li>• Add more liquid to the tank</li><li>• Clean nozzle with nylon brush</li></ul>
<b>Sprayer sprays at low pressure</b>	<ul style="list-style-type: none"><li>• Allow 45 seconds for pump to prime</li><li>• Pump was run dry without liquid before refilling tank</li><li>• Inspect and clean the in-tank filter</li></ul>

# Replacement Parts List

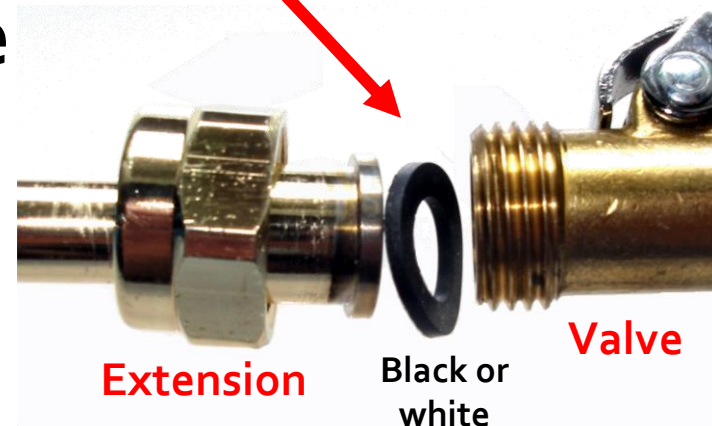


REPLACEMENT PARTS	
Hose assembly	# 33000309
XR-Valve	# 22037500-375
Brass extension	# 22045600-E
Check valve in tank cap	# 12014289
4-way nozzle	# 22049454
Tip assembly	# 22049450
Filter / Tank top	# 12014290
Tank cap + Check valve	# 12014291
Filter / inside tank	# 12014290
Harness assembly	# 12014288
Pump assembly	# 120143292
Battery Charger	# 12014286
18V Lithium battery	# 12014285

# Extension Assembly



Insert the gasket at the end of the extension ...between the valve and extension...



# Pin-to-Cone Nozzle



**Pin-to-Cone nozzle** is not included...because the pin spray is equal to the pin stream on Perimeter 4-way, and the cone spray has small droplets that drift off target



# Standard 4-way Tip



Standard 4-way nozzle (5800) will fit the backpack extension. The coarse fan and pin streams are the same as the backpack nozzle...**but the fine fan will not work with the pump...**

# 8006 and 8008 Tips

**8006** – 66 oz. - **1/2 gal./ min**

**8008** – 88 oz. - **2/3 gal./ min**



**#22032155**



**#22032165**



**#22033100**

**Tip cap**



**Two wrenches to  
remove nozzle  
assembly**



**Attach nozzle to  
extension with a  
Tip cap**

# Battery Backpack Sprayer

