

TECHNICAL DATA SHEET



- Circuit breaker rather than fuses to protect sprayer
- Pressure sensitive switch shuts off pump to protect hose

Test Results

Manufactured by:
progressivesolutions
corporation

Please refer to the appendix section for testing, warranty and condition of sale.

Note:

Always wear Personal Protective Equipment including goggles and gloves.

Not for use with flammable products.

Do not clean with flammable products including acetone and xylene.

Estimating Guide

*Tip Size Reference: 1.0- Chapin 1-5943, 0.5 Chapin 1-5941, 0.2 Chapin 1-5933

Product	Tip Size (gpm)*	Tested Yield (gpm)	Spray Height (feet)	Spray Width (feet)	Prod. Rate (sf/min)	Cov. Rate (sf/gal)*
Cure & Seal 309 J18	0.5	0.8	2.0	5.0	240	300
Ultra Seal EF	0.5	0.80	2.0	5.0	240	300
Cure & Seal 1315 EF	0.5	0.80	2.0	5.0	240	300
Cure & Seal 309 EF	0.5	0.80	2.0	5.0	240	300
Clean Strip J1EF	0.2	0.40	2.0	2.5	400	1000
Clear Resin Cure J11W	1.0	0.95	2.0	5.0	380	400
Clear Resin Cure J11W	0.5	0.70	2.0	4.0	300	400
White Resin Cure J10W	1.0	0.95	2.0	5.0	190	200

**Apply Material in accordance with the product's Technical Data Sheet.

DESCRIPTION

The Spray-Pro Dual Power spraying system features both AC and DC power in a single unit for spraying bulk cures, form oils and other water-based products.

Spray-Pro Dual Power is manufactured by PROGRESSIVE SOLUTIONS.

USE

Ideal for applying water-based concrete curing compounds, cure & seals, sealers, and form release agents. Not for use with solvent based products.

FEATURES

- Features both AC & DC power options in a single unit.
- All Steel Construction for Durability
- Self contained unit weighs 40lbs (18.2kg)
- Large Rubber Feet for Stability
- Ships Fully Assembled
- Complete Spray Kit:
 - 1- 18" straight brass wand
 - 1- 18" curved brass wand
 - 1- 1.0 g/min brass fan tip
 - 1- 0.5 g/min brass fan tip
 - 1- Adjustable brass nozzle
 - 1- 100' x 3/8" hose w/ quick connect
 - 1- Brass spray control gun
 - 1- 25ft (7.6m) power cable
 - 1- DC battery clamp connect
- Chemical resistant diaphragm and seals on pump and heel

Packaging

Product Code	Model	Type
101506	SPRAY-PRO DUAL POWER AC/DC	AC & DC Dual power unit

APPLICATION

WARNING: READ INSTRUCTIONS CAREFULLY BEFORE USING THIS UNIT:

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Refer to the "Dayton Superior Spray-Pro Owner's Manual" for Wiring Diagrams, Troubleshooting, and Directions

1) Position the unit on top of the container you wish to dispense from and insert the suction hose. The brass suction nozzle has been threaded so that a garden hose may be connected to lengthen the suction line or give the operator the ability to spray water. The maximum vertical self prime is 15 feet.

2) Check the switch to be sure it is in the "OFF" position, then connect the power source.

AC Operation:

-Insert red/black connector from power supply directly to power port on back of pump cover.

**To extend your reach, insert the 25ft (7.6m) red/black extension power cable to the power port and then connect the power supply to the extension power cable.

-Connect yellow power supply plug to a properly grounded outlet. Use only provided power supply.

DC Operation:

-Insert red/black connector from 25ft (7.6m) extension power cable to power port on the back of pump cover.

-Attach red/black connector of extension power cable to the connector of the battery clamp adaptor.

-Connect the RED (+) clamp to the positive battery terminal. Then connect the BLACK (-) clamp to the grounded metal portion of the chassis or engine.

-For stand alone battery applications, the BLACK (-) clamp may be connected directly to the negative battery terminal.

3) Squeeze the spray control gun or remove the spray control gun. Insert end into container. Move switch to the "ON" position and allow the unit to prime.

4) When primed, move switch to "OFF" and connect the spray control gun and wand if not already connected. If the product must be circulated before spraying, leave unit "ON" with hose or wand end in the container and allow product to circulate.

**A bypass is available for products that need to be continuously circulated.

Spray equipment:

1) Hold wand so that the spray tip is perpendicular to the substrate.

2) For a greater reach, use the wand extension supplied with the pump.

3) Adjust tip height upward for a wider pattern, lower for a narrower pattern. In general for the 1gpm tip for each 6 inch increase/decrease in height the pattern will gain/reduce 1ft in width. Holding the tip closer to the surface will require operator to move faster to avoid applying too much material. Holding the tip too high will require operator to move slower to avoid applying too little material.

4) Avoid holding too high, especially on windy days. Avoid spraying on extremely windy days.

5) Adjust speed of wand movement to obtain the proper coverage rate for the material being sprayed.

6) Spray pattern should overlap 50% to ensure total coverage.

7) Apply 2nd coat, if applicable, at right angle to 1st coat to ensure a more uniform application.

8) Spray material in a consistent, even application at the proper coverage rate.

9) Information supplied based upon controlled laboratory testing, actual results may vary.

CLEAN UP

1) After spraying, remove the suction hose from the container. Insert the wand end into the container and hold the spray control gun in the OPEN position. Allow the unit to expel the unused material back into the container. The wand and the spray tip are left attached for this process to provide a back pressure that will help expel 90% of the unused material out of the unit.

2) Then circulate either soap and water or Citrus Clean J48 through the unit until it comes out clean and clear. NEVER USE STRAIGHT XYLENE.

**To flush the unit, remove the suction line screen and attach a garden hose directly to the suction line. Flush with clean water only.

3) Drain all liquid from the pump. Do NOT allow liquid to freeze in the pump. Failure to do this will result in damage to the internal components of the pump. In freezing conditions, draw some windshield washer fluid or diesel into the pump to protect against freezing.

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LIMITATIONS

NOT for use with flammable products!
Do NOT clean this sprayer with flammable products including Xylene & Acetone!
Do NOT operate near flammable materials.
Use only original manufacturer parts.
Replace damaged hoses immediately.
Disconnect or unplug unit when not in use.
Never submerge pump.
Release pressure before disconnecting.
Do not allow liquid to freeze in the pump.

FOR PROFESSIONAL USE ONLY

For maintenance questions or replacement parts, please contact Progressive Solutions Corporation directly at 800.801.7832

PRECAUTIONS

WARNING: IMPROPER USE OR FAILURE TO FOLLOW INSTRUCTIONS CAN RESULT IN EXPLOSIVE FAILURE WITH MAJOR INJURIES. FOR SAFE USE OF THIS PRODUCT YOU MUST READ AND FOLLOW ALL INSTRUCTIONS BEFORE USE.

Always unplug unit before attempting service.
Do not leave a pressurized sprayer in the hot sun. Heat can cause pressure buildup.
Do not store or leave solution in tank after use.
Always wear goggles, gloves, long sleeve shirt, long pants and full foot protection when spraying.
Never use any tool to remove pump if there is pressure in sprayer.
Never stand with face or body over top of tank when pumping or loosening pump to prevent ejecting pump assembly and/or solution from striking and injuring you.
Never pressurize sprayer by any means other than the original pump.
Do not attempt to modify. Repair this product with only original manufacturer's parts.

MANUFACTURER

Progressive Solutions Corporation
2848 Corporate Parkway
Algonquin, IL 60102
T: 800.801.7832 | 847.639.7272
F: 847.639.7274
E: support@4progressive.com
Website: www.4progressive.com

WARRANTY

Dayton Superior Corporation ("Dayton") warrants for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Dayton, the product is free of manufacturing defects and conforms to Dayton's product properties in force on the date of acceptance by Dayton of the order. Dayton shall only be liable under this warranty if the product has been applied, used, and stored in accordance with Dayton's instructions, especially surface preparation and installation, in force on the date of acceptance by Dayton of the order. The purchaser must examine the product when received and promptly notify Dayton in writing of any non-conformity before the product is used and no later than 30 days after such non-conformity is first discovered. If Dayton, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only a Dayton officer is authorized to modify this warranty. The information in this data sheet supersedes all other sales information received by the customer during the sales process. **THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.**

Dayton shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, its obligations under any contract for sale of product, even if Dayton could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this contract, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.

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APPENDIX**CONDITIONS OF SALE**

Progressive Solutions Corporation (PSC) offers chemical products for sale subject and limited by this legal notice/warranty which may ONLY be varied by WRITTEN agreement of a duly authorized corporate officer of PSC. No other representative of or for PSC is authorized to grant any warranty or to waive any limitation of liability set forth below. All orders are accepted subject to our current terms of sale and delivery. Any purchase or purchase order terms are expressly rejected including terms which indicate shipment as a manner of acceptance.

WARRANTY LIMITATION**MANUFACTURING DEFECTS**

PSC warrants this product to be free of manufacturing defects. If the product, when purchased and used within the shelf life as determined by the date on the container or carton is defective, PSC will replace the defective product with new product without charge to the purchaser. Product containers or cartons without dates are not covered by ANY warranty. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN WHICH DAMAGES ARE CLAIMED.

OTHER WARRANTIES

PSC makes NO OTHER WARRANTY, EITHER EXPRESSED OR IMPLIED, for its chemical products. NO WARRANTY in respect to merchantability or fitness for a particular purpose, nor any warranty either expressed or implied, nor any liability whatsoever, shall be inferred either from this information, or from any written recommendations, or from any other advice offered. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN WHICH DAMAGES ARE CLAIMED.

INHERENT RISK

Purchaser assumes all risk associated with the use of application of the product. Any information, and in particular, the recommendations relating application and use of PSC's product, are provided in good faith based on PSC's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with PSC's recommendations. Difference in materials, substrates and actual site conditions are such that the user of this product must test the product's suitability for the intended application and purpose. PSC reserves the right to change the properties of its products. Users should always refer to the most recent revision of the Technical Data Sheet, Application Specific Instructions and SDS of the product(s) concerned, copies of which will be supplied upon request.