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Thank you for your purchase of the new SnowEx Accu-Spray Liquid De-Icing & Pre-Wetting System. Welcome to the SnowEx family of products.

You have purchased an innovative liquid system that lets you apply pre-wetting solutions directly to the spreading material.

As with all SnowEx products, read your Owner’s Manual carefully. Maintained properly, your system will give you trouble-free service. SnowEx products are the best built pre-wetting products in North America.

Sincerely,
The SnowEx Team
Nozzle Mounting Brackets
SP-1875 and V-Pro Series

V-Pro Series

SP-1875
Step 1: Mount pump to tank using item #5 bolts, pump output needs to be on the same side as lower tank outlet ports.

Step 2: Assemble filter assembly and attach to pump inlet side, next attach suction hose item #18 with hose clamp to filter assembly.

Step 3: Install 90 degree barb fitting item #17 to lower tank port (see illustration). Attach item #18 with hose clamp to barb fitting.

Step 4: Install item #16 to pump output side using hose clamp item #13. At this point you can install carry handle to tank using item #4 bolts.

Step 5: Assemble items #14 and #15 to item #16 with clamp. (see illustration)

Step 6: Assemble items #7, #15, #8 and #12 using hose clamps. (see illustration)

Step 7: Install nozzle bracket item #9 to spreader. (see pg PW-5) for proper location based on spreader type.

Step 8: Mount spray nozzle to Item #9 using item #10 retainer nut. (see pg PW-5) for proper location based on spreader type.

Step 9: Connect Item #7 to item #14 to complete connection between the pump and nozzle.

Step 10: Continue to page (PW-8) for the electrical power supply portion of the installation
PWS-100 Main Assembly

Parts Breakdown

<table>
<thead>
<tr>
<th>Key</th>
<th>Part No.</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>D5263</td>
<td>TANK</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>D5267</td>
<td>FILTER ASSEMBLY</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>D5266</td>
<td>VPRO NOZZLE BRACKET</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>D6131</td>
<td>1/4-20 X 1/2&quot; SERRATED FLANGE BOLT</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>D6854</td>
<td>1/4-20 X 1&quot; FLANGE BOLT</td>
<td>4</td>
</tr>
<tr>
<td>6</td>
<td>D5265</td>
<td>PUMP W/RIGHT ANGLE FITTING</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>D5272</td>
<td>MALE QUICK DIS-CONNECT</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>D5277</td>
<td>1/2&quot; X 10&quot; NOZZLE HOSE</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>D5264</td>
<td>1875 NOZZLE BRACKET</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>D6953</td>
<td>NOZZLE RETAINER</td>
<td>1</td>
</tr>
<tr>
<td>11</td>
<td>D5270</td>
<td>NOZZLE JET</td>
<td>1</td>
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<table>
<thead>
<tr>
<th>Key</th>
<th>Part No.</th>
<th>Description</th>
<th>Qty.</th>
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</thead>
<tbody>
<tr>
<td>12</td>
<td>D6951</td>
<td>NOZZLE HOLDER</td>
<td>1</td>
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<tr>
<td>13</td>
<td>D6390</td>
<td>3/8&quot; HOSE CLAMP</td>
<td>4</td>
</tr>
<tr>
<td>14</td>
<td>D5273</td>
<td>FEMALE QUICK DIS-CONNECT</td>
<td>1</td>
</tr>
<tr>
<td>15</td>
<td>D6969</td>
<td>1/2&quot; - 3/8&quot; HOSE BARB</td>
<td>2</td>
</tr>
<tr>
<td>16</td>
<td>D5274</td>
<td>3/8&quot; PVC MAIN NOZZLE SUPPLY HOSE</td>
<td>18</td>
</tr>
<tr>
<td>17</td>
<td>D5276</td>
<td>PUMP W/RIGHT ANGLE FITTING</td>
<td>1</td>
</tr>
<tr>
<td>18</td>
<td>D5275</td>
<td>MALE QUICK DIS-CONNECT</td>
<td>1</td>
</tr>
<tr>
<td>19</td>
<td>D6503</td>
<td>RATCHET STRAPS (ITEM NOT SHOWN)</td>
<td>2</td>
</tr>
</tbody>
</table>

*NOTE* USE BOLTS SUPPLIED ON SPREADER

*SEE NOTE*
PWS-100 Wiring Instructions

Step 1: First, install switch at desired location.

Step 2: Run spreader/vehicle harness from the rear of vehicle to switch area. Attach the female spade red wire to the switch. Leave the black wire for Step 5.

Step 3: Route the power harness from the battery to the switch/control.

Step 4: Attach the red lead to the positive side of the battery and the black lead to the negative side of the battery.

Step 5: Attach the female spade red wire on switch terminal. Using 3" double female black wire jumper attach the black wire from the power harness to the black wire of the vehicle harness.

Step 6: Install rubber weatherproof boot on switch before finishing installation.

Step 7: Insert dielectric grease on terminals of SAE plug at rear of vehicle.

### Key Part No. Description Qty.
1 D 6184 On/Off Switch 1
2 D 6406 Rubber Switch Boot 1
3 D 6716 Wiring Harness 1
4 D 6425 Fuse Holder 1
5 D 6482 20 Amp Fuse 1
6 D 7105 3/8" Ring Terminal 2
Pre-Wetting Information

Pre-Wetting is the process of spraying de-icing salt with a solution of liquid chemical before spreading the salt on the roadway. Pre-Wetting the salt helps it work more effectively as a de-icing agent for two reasons: First, wet salt clings to the road instead of bouncing off or being swept off by traffic. The result is that less salt is spread, saving money and minimizing the threat to the environment. Second, to be effective as a de-icing agent, salt requires moisture. Moisture dissolves the salt, releasing heat thereby melting the ice and snow as well as, breaking the ice-road bond. When temperatures drop below freezing there is no moisture on the road, and salt alone is ineffective, pre-wetting the salt, however, ensures that there will be enough moisture to facilitate the melting process. Then, pre wetted salt works faster and at lower temperatures than does dry salt, with less waste. Sodium chloride (salt) brine is a low-cost, effective alternative to liquid calcium chloride as a pre-wetting agent.

WHY PRE-WET WITH SALT BRINE?
Sodium chloride has been used as a pre-wetting agent primarily because of its low cost and ready availability, but the real benefits from pre wetting occur when the brine is mixed with the dry materials. Sodium chloride must find moisture from some source before it can generate the heat needed to begin the melting process. Under past operations dry sodium chloride could not generate heat until it came into direct contact with the snow or ice on the road surface. As the sodium chloride found moisture in the snow or ice it began to generate heat which melted more snow and ice, accelerating the melting process. During snow storms and cold air temperatures along with low humidity chloride had difficulty finding available moisture, which slowed melting process considerably. Adding sodium chloride brine chloride at the spinner before it struck the road surface provided extra moisture to quicken the melting process.

BENEFITS
We are pleased with the results this winter and have found the following benefits to using pre-wetted materials:

- Materials readily adhere to the roadway better than with dry materials.
- Pre-wetted materials begin dissolving snowpack and ice faster than dry materials.
- The quantity of materials can be reduced when pre-wetted, since less materials leave the roadway during spreading.
- Corrosion of equipment is minimized by spraying the liquid salt at the spinner.
- Operators report quicker melting with the pre-wetting process, which means better service to the traveling public.
Step 1: Disconnect nozzle assembly at rear of vehicle at Quick-Disconnect point.
Step 2: Make yourself a hose with matching male Quick-Disconnect to hook-up at Quick-Disconnect point.
Step 3: Install hose at Quick-Disconnect point and put the other end in the storage tank.
Step 4: Turn on pump until the tank is empty.
Step 5: Add water and RV antifreeze mix into tank.
Step 6: Reinstall Quick-Disconnect from nozzle assemblies.
Step 7: Run pump until it is running clear out of nozzle.
Whenever service is necessary, your local SnowEx Dealer knows your Sprayer best. Take your Sprayer to your local dealer for any maintenance or service needs on your unit. If this is not possible, the Troubleshooting Guide below may assist you in identifying the problem.

**Warning:** First read all warning instructions and safety messages before servicing your Sprayer.

**Preliminary Checks**
- Be sure all electrical connections are tight and clean.
- Be sure nothing is obstructing the nozzles.

### Troubleshooting

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>POSSIBLE CAUSE</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump doesn’t run.</td>
<td>Loose electrical connections.</td>
<td>Check all connections.</td>
</tr>
<tr>
<td></td>
<td>Blown Fuse.</td>
<td>Replace fuse.</td>
</tr>
<tr>
<td></td>
<td>Pump Seized.</td>
<td>Replace pump.</td>
</tr>
<tr>
<td>Liquid not spraying.</td>
<td>Empty tank.</td>
<td>Fill tank.</td>
</tr>
<tr>
<td></td>
<td>Full strainer.</td>
<td>Clean or replace element.</td>
</tr>
<tr>
<td></td>
<td>Pump not running.</td>
<td>Refer to Problem 1.</td>
</tr>
<tr>
<td></td>
<td>Obstructed nozzle.</td>
<td>Remove and clean.</td>
</tr>
</tbody>
</table>
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Limited Warranty

Trynex products are warranted for a period of twelve months from the date of purchase against defects in material or workmanship under normal use and service, subject to limitations detailed below. Warranty period of twelve months begins on the date of purchase by the original retail user.

The **WARRANTY REGISTRATION CARD** must be returned to the manufacturer for this warranty to become effective. This warranty applies to the original retail purchaser only. This warranty does not cover damages caused by improper installation, misuse, lack of proper maintenance, alterations or repairs made by anyone other that authorized Trynex dealers or Trynex personnel. Due to the corrosive properties of the materials dispensed by spreaders, Trynex does not warrant against damage caused by corrosion. Warranty claims by the user must be made to the dealer from where the product was purchased, unless otherwise authorized by Trynex. Trynex reserves the right to determine if any part is defective and to repair or replace such parts as it elects. This warranty does not cover shipping costs of defective parts to or from the dealer.

**LIMITATION OF LIABILITY**

Neither Trynex, nor any company affiliated with it, makes any warranties, representations for promise as to the performance or quality other that what is herein contained. The liability of Trynex to the purchaser for damages arising out of the manufacture, sale, delivery, use or resale of this spreader shall be limited to and shall not exceed the costs of repair or replacement of defective parts. Trynex shall not be liable for loss of use, inconvenience or any other incidental, indirect or consequential damages, so the above limitations on incidental or consequential damages may not apply to you.

**NO DEALER HAS AUTHORITY TO MAKE ANY REPRESENTATION OR PROMISE ON BEHALF OF TRYNEX INTERNATIONAL, OR TO ALTER OR MODIFY THE TERMS OR LIMITATIONS OF THIS WARRANTY IN ANY WAY.**
Warranty Registration and Customer Survey

To initiate the warranty on your new SnowEx spreader and assure prompt warranty service, please complete the following warranty registration and customer survey, sign and mail it back to the factory within 30 days of purchase.

1) Date of Purchase: ________________________________

2) Name: ________________________________
   Address: ________________________________
   Phone: ________________________________

3) SnowEx Model Purchased: ________________________________ Serial Number: ________________________________

4) Is this your first Trynex Spreader? ○ Yes ○ No

5) What type of vehicle are you using with your Spreader?
   Make ________________________________ Model ________________________________ Year ________________________________

6) What type of material are you using in your spreader?

7) SnowEx Dealer Name: ________________________________
   SnowEx Dealer Address: ________________________________
   SnowEx Dealer Phone: ________________________________

8) Does your Trynex Dealer stock Trynex replacement Parts? ○ Yes ○ No ○ I don't know

9) Do you feel your Trynex Dealer sold you the correct product for your needs/application? ○ Yes ○ No

10) How would you rate your overall satisfaction with your SnowEx Dealer? ○ Very Satisfied ○ Satisfied ○ Somewhat Satisfied ○ Somewhat Dissatisfied ○ Dissatisfied ○ Very Dissatisfied

11) How would you rate your overall satisfaction with your SnowEx Product? ○ Very Satisfied ○ Satisfied ○ Somewhat Satisfied ○ Somewhat Dissatisfied ○ Dissatisfied ○ Very Dissatisfied

12) Would you purchase another Trynex Product? ○ Yes ○ No

13) If you would like to receive E-Mail ALERTS for new products, bulletins or special promotions please supply address: ________________________________

14) Please use the space below to convey your comments and/or suggestions.
   __________________________________________________________
   __________________________________________________________
   __________________________________________________________

NOTE: I have read the owner's manual and all safety precautions and I understand that this equipment could be dangerous if not operated with care and under the proper conditions.

15) Owner's signature: X ________________________________

PLEASE FOLD AND SEAL WITH TRANSPARENT TAPE BEFORE MAILING.
Warm Up to SnowEx® with a FREE Winter Hat!

Simply Fill Out Your Warranty Registration and Return It to the Factory!