OPERATOR'S MANUAL & PARTS LIST
425, 475, 435, 474, 476, 485, 473P, 473D, 473LC including Deluxe and Heavy Duty Models

WARRANTY:
Solo backpack sprayers are covered by Solo's 1-YEAR LIMITED WARRANTY. A 3-YEAR EXTENDED WARRANTY is available. See page 6 for details. Solo manufactured parts which fail due to defective material or workmanship will be repaired or replaced without charge. See page 6 for full details and complete warranty information.

SAFETY PRECAUTIONS:
1. Before using sprayer with chemicals, fill sprayer with fresh water to assure that you have it properly assembled; pressureize and practice spraying. Also, check for any leaks at this time. When thoroughly familiar with the sprayer operation, follow normal operating procedures.
2. Ensure all pressure in the sprayer is relieved by locking the shut-off valve in the open position.
3. Avoid contact with chemicals.
4. Always wear rubber gloves, safety goggles and appropriate protective clothing.
5. Work in a well ventilated area.
6. Individuals should be trained in the proper use of this sprayer, chemical handling procedures, and first aid/emergency care. Where training is not available, individuals should study and follow the procedures detailed in this manual.

WARNING:
Chemicals can be harmful to individuals and the environment if improperly used. In addition, some chemicals are caustic, corrosive or poisonous and should be avoided. Read warnings and chemical manufacturers' instructions. Solo high density polyethylene sprayers are fitted with Viton® seals which are resistant to a wide variety of agricultural and household chemicals; however, care should be exercised to ensure that sprayer components are clean, functioning properly, and in a good state of repair before and during use. If in doubt about a particular chemical, check with the manufacturer. If you suspect or observe indications that the material may be unsafe in a Solo sprayer, STOP. DO NOT USE OR APPLY CHEMICAL. ALWAYS WEAR RUBBER GLOVES, GOGGLES, AND APPROPRIATE PROTECTIVE CLOTHING!

- Read and follow operating instructions.
- Do not fill with, use, or spray flammable materials.
- Do not modify sprayer.
- Never spray in the direction of humans, animals or property which might be injured or damaged by spray formula.
- Do not use disinfectants, solvents or degreasing agents unless first tested to ensure they are not harmful to the environment or sprayer.
- Do not use liquids with a temperature above 110ºF (43ºC).
- Wear appropriate protective clothing to prevent contact with chemical agents.
- Rinse and clean sprayer thoroughly after use. Disposal of contaminated rinse should be in accordance with applicable ordinances. Observe the precautionary instructions of the chemical manufacturer.
- DO NOT USE ANY ACID (INCLUDING CITRUS) OR CAUSTIC CHEMICALS (INCLUDING BLEACH).
- Remember that a sprayer with liquid is a significant amount of weight (8 lbs. per gallon). Use caution when bending, leaning or walking. Bend at the knees rather than the waist.
- During sprayer operation, the pressure cylinder (#4400844) contains compressed air and liquid. Compressed air and liquid under pressure are inherently dangerous. Before making adjustments on sprayers fitted with a pressure regulating valve body (#4407432) or control knob (#4407434) located on the pressure cylinder or any other repair or inspection, of any sprayer be sure to relieve pressure through the shut-off valve and wand.

CUSTOMER SERVICE COMMITMENT FROM SOLO'S SERVICE DEPARTMENT
In the event the sprayer you have purchased has missing or damaged parts, please call 1-800-755-8461, 9:00 AM - 5:00 PM EST. In order to assist your service representative, please have the following information available: sprayer model number, part description and part number. A parts list is included in your operator's manual.

Solo is committed to your satisfaction and is continuing its efforts to earn your future business.
Removing Plastic Adjustable Nozzle

Unscrew the nozzle cap (1) from the nozzle body (9). This is best accomplished while the retaining nut (2) is fastened tightly to the elbow (6). Next, unscrew the retaining nut (2). Push the nozzle body (3) out of the retaining nut (2). The filter with gasket (4) will come out with the body. To reinstall the nozzle, reverse the above instructions.

ASSEMBLY INSTRUCTIONS FOR WAND:
1. Insert wand into shut-off valve as shown.
2. Tighten the screw cap clockwise onto the shut-off valve.

PUMP LEVER INSTALLATION:
All hardware necessary for pump lever installation is included with the sprayer. The pump lever (C) should be installed as follows: place lever handle (C) onto the shaft (A). Align bolt holes and insert the two bolts (E) and washers (F). Then tighten.

FOLD-AWAY PUMP HANDLE INSTALLATION (FOR DELUXE MODELS ONLY):
1. Remove bolt and nut (A) from pump rod (B).
2. Side handle assembly over the pump rod and align the holes so that the upper (bail) portion of the handle points up and slightly forward and away from the Solo logo. Reinstall bolt and locknut. Pump handle can be installed on the opposite side of the sprayer for right-hand pumping.

SHOULDER STRAP INSTALLATION:
The top of the shoulder straps are pre-attached to the sprayer by means of a buckle. The lower end of the straps are attached by tacking the strap hooks to the metal frame where the frame exits the plastic tank and makes a bend.

REGULATING THE PRESSURE: (FOR DELUXE MODELS ONLY)
The Solo backpack sprayer is equipped with a built-in regulator to control output pressure. The regulator is operator adjustable. Make adjustments prior to filling tank. To adjust the regulator, remove the tank cap and the filter basket. Look inside the spray tank; you will see the top of the regulator. There are 4 fingers on the regulator knob. The finger farthest to the left is #1, to the right is #4. They are numbered 1, 2, 3, 4, 1 = 15 psi, 2 = 30 psi, 3 = 45 psi, 4 = 60 psi. The higher the pressure, the more chemical supplied from the sprayer in a given amount of time, but the droplets will be smaller with more drift. If the spray pressure must be changed, excess pressure in the pressure cylinder must be released back into the tank through the spray tube. To adjust, push down on the knob and rotate to the desired number with the alignment pin. If a spray pressure exceeding 60 psi (+ bar) is required, first release the excess pressure and then replace the adjustment piece with the conical plug (#4200215). The plug should only be used on piston pump sprayers. (DELUXE MODELS ONLY)

Please note, the maximum pressure the models 425, 435 are capable of is 60 psi and the 474, 475, 476 and 485 models is 60 psi. For operating the 425, 435 at higher than 60 psi, the pressure control valve must be removed and replaced with an optional plug (#4200215) (see item B).

FILLING:
Mix the sprayer formula and the proper volume of water in a separate container. Pour the mix through the filter basket in the tank opening. This keeps debris from entering sprayer. Note: To fill the sprayer to its full 4-gallon capacity, set the pressure control valve to the 3 or 4 setting. (DELUXE MODELS ONLY) Add 2 or 3 gallons of spray formula mix. Pump the sprayer handle to prime the pump and fill the pressure cylinder. The volume of liquid in formula mix tank will appear to decrease as the pressure cylinder is filled. Liquid will flow through the top of the pressure regulator when the cylinder is completely full. Add the remaining formula mix to the tank. Remember that it’s not necessary to completely fill the sprayer tank each time. Mix only the amount needed to get the job done.

Always read and follow manufacturer’s instructions printed on the product label. This can save money and help prevent crop and environmental damage.
OPERATING FEATURES:

Nozzles - Your Solo sprayer is supplied with nozzle arrangements to provide a variety of spray patterns.

<table>
<thead>
<tr>
<th>Item</th>
<th>Application</th>
<th>Part #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat spray nozzle</td>
<td>Row treatment</td>
<td>4074283</td>
</tr>
<tr>
<td>Jet stream nozzle</td>
<td>Spot &amp; longer range</td>
<td>4074755</td>
</tr>
<tr>
<td>Jet stream nozzle and</td>
<td>Shrubs and bushes</td>
<td>4074755</td>
</tr>
<tr>
<td>Swirl plate = hollow cone</td>
<td>Spot, shrubs &amp; bushes</td>
<td>4074756</td>
</tr>
<tr>
<td>Plastic adjustable nozzle</td>
<td>Spot, shrubs &amp; bushes</td>
<td>4900527</td>
</tr>
</tbody>
</table>

SPRAY TIP ASSEMBLY

1. Flat spray nozzle
2. Filter
3. Jet cap
4. Swirl plate
5. Nozzle cap
6. Nozzle body
7. Brass adj. nozzle*
8. Nozzle retaining nut

*Brass adjustable nozzle is not a standard item on all Solo sprayers. Spray tips should be assembled as above for desired spray pattern.

SPRAYING:

Prime the pump with rapid pump strokes. When you feel very firm resistance, the pressure chamber is filling with liquid. With repeated piston strokes, the air in the pressure chamber is slowly compressed. By pressing the hand lever, the valve opens, and liquid is forced through the nozzle. The shut-off valve has a retaining clip which keeps the valve in the "OPEN" position for continuous operation. Pump using the end of the pump handle, as it is less fatiguing. The volume of liquid delivered varies with the working pressure which should be as high as needed to ensure an adequate spray pattern for each individual application.

NOTE: Should the pressure drop very quickly, drain the tank completely and pump without liquid. By this procedure, the air chamber is refilled with the required volume of air. It is advisable to pump the tank completely empty from time to time.
WETTABLE POWDERS:

Avoid use in piston pump sprayers models 425, 435, 473P! The Solo models 474, 475, 473D, 476 and 485 sprayers with a diaphragm pump are generally resistant to abrasive materials and are recommended for this purpose. Note: If you use a wettable powder in your 425, 435, 473P sprayer, be sure it is thoroughly mixed in the formula solution. Immediately after use, be sure to remove the piston, clean and lubricate the Viton® collar with Solo Superior Grease or petroleum jelly. Thorougly flushing of sprayer will extend the life of its working parts. If you use wettable powders in the piston pump sprayer be sure to inspect regularly for seepage around the piston and repair accordingly.

CLEANING:

- After spraying, clean the tank thoroughly. If some spray liquid is left inside, drain tank completely.
- Pumping causes air to be taken in and the remaining liquid to be discharged. Pump until liquid and air are coming out through the nozzle.
- Refill tank with a few quarts of clean, hard water and pump water out as explained above (if necessary, repeat this procedure several times).
- If the shut-off valve is removed, the pump can be flushed quickly. Improper spray distribution is the result of a clogged nozzle, which is easily removed and cleaned.
- Soap and water may also be used to clean tank.
- Do not use aggressive cleaning agents or abrasives.
- Follow the recommendations of the chemical manufacturer for disposal of waste water and chemicals.
- Activated charcoal in liquid or other form may be used to absorb chemicals in tanks or spills.

NOTE: When cleaning the sprayer after working with hormer weedkillers, follow the instructions of the herbicide producers. Neutralize with activated charcoal. (Example: add 0.35 oz./l g. of activated charcoal to 1.7 pint/liter of water and leave this detergent in the tank and the lines approximately 24 hours.) This is very important if other chemicals should be sprayed as the residues of the herbicide may damage susceptible plants. Cleaning after application of products containing carbolineum, if they are not water soluble, should be done with a 5% soda lye having a temperature of 104°F (40°C). Rinse with plenty of clean water.

MAINTENANCE AND STORAGE TIPS:

To protect the piston, cylinder and Viton® collar, a fine mesh, stainless steel screen is located on the pressure cylinder inlet.

If you find that your sprayer will not empty the formula tank, check for a clogged inlet screen (2). The inlet screen is located at the bottom of the pressure cylinder on the side that faces your back.

One indication that it needs cleaning is that when you let go of the pump handle, it "springs" to the down position. The screen can be cleaned with a small bristle brush or a discarded toothbrush. See diagram for location of screen.

- After operation, the sprayer should be stored away from direct sunlight to prevent UV damage.
- After removing the pump or when mounting a new Viton® collar, treat both the collar and the piston with water-resistant grease.
- Before winter, drain all liquid in tank, lines and air chamber. (See "Cleaning") Leave shut-off valve locked in the "open" position.
- For service, call your nearest Solo dealer. Always insist on original Solo spare parts.
- Regularly inspect hose, wand, pump, tank and shut-off valve for wear, damage or leaks. Repair promptly.

Avoid excessive wear by:

1) Regular lubrication of Viton® collar, cylinder and piston with water-resistant grease.
2) Prompt and thorough cleaning and flushing of sprayer. Soap and water work well.

*Use Solo Superior Grease (#4850). Petroleum jelly may also be used.
SOLO LIMITED WARRANTY

Solo Incorporated guarantees the original purchaser of Solo equipment that any failure of Solo manufactured parts due to defects in material and workmanship occurred during the applicable warranty period will be repaired or replaced without charge for parts or labor, except for those items not covered by warranty.

CONSUMER LIMITED WARRANTY: Solo equipment purchased for commercial use is covered by this Limited Warranty for a period of ONE (1) YEAR.

OWNER’S OBLIGATION AND RESPONSIBILITY: Proof of purchase must be provided by the owner in order to obtain warranty service. Should any failure covered by this Limited Warranty occur, deliver or ship the Solo products or parts to an authorized Solo service center. Freight, packing and insurance costs, if any, will be borne by the owner. Follow normal maintenance service to include applicable lubrication, operation and storage of the product as explained in the operator’s manual.

ITEMS NOT COVERED BY WARRANTY: Provisions of the Limited Warranty will not apply to the following: Any indirect or consequential damages that may result from the failure or malfunction of the Solo product. Normal service requirements arising during the warranty period, such as cleaning, normal wear, lubrication, filter, spray tips, etc. Normal service work over and above the repair or replacement of defective parts. Any failure that results from an accident, customer abuse, nor-

Full disclosure of Solo’s Limited Warranty is available from your local Solo dealer or SOLO INCORPORATED, 5100 Chestnut Avenue, Newport News, Virginia 23605.

This Limited Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

ACCESSORIES:

The following accessories are not standard. Order them from your Solo dealer.

Pressure control gauge (#49 00 356): Displays spraying pressure so operator can maintain desired pressure level.

Pressure limiting valve (#49 00 183): Limits pressure to 5 psi, 10 psi or 15 psi as needed for low pressure applications.

Brass adjustable spray nozzle (#06 10 410-P): Affords operator a full range of sprays from fine to jet stream. Standard on model 476.

Drift guard (#49 00 430): Helps control application of formula under breeze conditions.

4-nozzle spray boom (#49 00 298): Mounted on the back part of the sprayer frame with 4 hollow cone jets for area treatment (total width 49-3/4”; distance between nozzles 16”)

2-nozzle spray boom (#49 00 514): Handheld spray boom mounts on end of spray wand (total width 33”; distance between nozzles 24”). Includes 2 flat spray nozzles.

Twin nozzle (#49 00 477): This is a multi-purpose nozzle that attaches to the end of the spray wand for double row application.

Brass spray wand (#49 00 528): The spray wand is 60” (150 cm) long and replaces the standard spray tube for treating trees up to heights of 16 ft. (5 meters). Additional extension tube available in 20’ length (#49 00 513).

Shoulder Saver Harness (#43 00 314): Heavy duty padded straps, padded lumbar support and fully adjustable straps.

Solo Superior Grease (#9850): (4 oz.) Used in the manufacture of all Solo parts.

Controlled Flow Valve (CFValve™): Provides constant pressure and flow to the spray nozzle and can be used in various applications.

In the best interest of continued technological progress, we reserve the right to change design and configuration of any product without prior or other notice. Therefore, please note that text and illustrations of this manual are not to be considered binding and do not constitute a basis for legal or other claims.

NOTE: An order form is provided on pages 11 and 12.
**SPECIAL PARTS AND ACCESSORIES (Not shown in parts list)**

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4900310N</td>
<td>Conversion kit (from piston to diaphragm pump)</td>
</tr>
<tr>
<td>0610406-K</td>
<td>Diaphragm pump repair kit includes 8, 11-13, 20 (2 ea.), 24, 25, 66</td>
</tr>
<tr>
<td>0610407-K</td>
<td>Piston repair kit includes 10-13, 20 (2 ea.), 24, 25, 44</td>
</tr>
<tr>
<td>0610411-K</td>
<td>Wand repair kit includes 7-10, 22, 26, 34, 49, 103</td>
</tr>
<tr>
<td>0610409-K</td>
<td>Piston, rod &amp; collar kit includes 41-44, 54</td>
</tr>
<tr>
<td>4400203</td>
<td>Pump assembly (Piston) includes 1, 8, 11, 12, 13, 20 (2 ea.), 39, 40, 41, 42, 43, 44, 54</td>
</tr>
<tr>
<td>4400221</td>
<td>Pump assembly (Diaphragm) includes 1, 8, 11, 12, 20 (2 ea.), 33, 61, 63, 64 (13 ea.), 65, 66, 67, 68, 69, 70, 72 (2ea.), 106</td>
</tr>
</tbody>
</table>
Note: Always wear rubber gloves, safety goggles, and appropriate protective clothing when repairing a sprayer. Work in well ventilated area. Prior to repair, flush unit with water by filling, then spraying the water into an appropriate container or area. Ensure that all pressure is released by locking the shut-off valve in the open position. Once a repair is completed, fill the unit with clean water, pressurize, and check for leaks. If the sprayer leaks, Do Not Use. Repair leaks and recheck.

PISTON PUMP DISASSEMBLY AND REPAIR

1) Using a 13mm socket wrench, remove the handle bolts, and set handle and bolts aside. Lay unit on its back with pump system facing you. See Figure 1. Loosen hose clamp (E) by unscrewing the bolt. Pull off sparyer hose. Caution: There may be liquid inside the hose and pressure cylinder even if the tank is empty. Wear protective gloves. Next, remove the nut and bolt from protective cap, and remove cap (C). Loosen stop plate (A) but do not remove. Rotate the pump shaft to access the two lever bolts in the center (B). Using a 6mm Allen head wrench, remove them. Pull the piston (F) out of the piston cylinder (G).

2) To remove the piston cylinder assembly, turn the piston cylinder counter clockwise when viewing from the bottom. Figure 2. Caution: The piston cylinder has sharp edges.

3) Check the inside of the piston cylinder and the piston for vertical scratches. If the piston cylinder or piston are scratched, replace it. Figure 3.

4) To remove the connecting rods from the piston and lever, insert a flathead screwdriver between the two connecting rods and twist. Figure 4.

5) With the new piston, place the two connecting rods over the studs on the inside of the piston. Place the lever studs into the connecting rods and snap together with your fingers. Figure 5.

6) To replace the Viton® collar, push it off of the top of the piston with your thumb. Figure 6. Install the new collar on the piston crown into the form fitted sides.

7) Remove the valve plate and O-rings from the outside of the piston cylinder. Install the new valve plate and the two O-rings, making sure the O-rings seat in the grooves. Finally, inside the piston cylinder you will find a second valve plate. Using needle nose pliers, pull out the red or orange pin and remove the valve plate. Figure 7. Install a new valve plate and firmly reset the retaining pin using needle nose pliers. Figure 8.

8) Next, assemble the piston cylinder. First grease the O-ring on the piston cylinder, being careful not to get any on the valve plate, and then place the piston cylinder into the pressure cylinder. Screw the piston cylinder clockwise until it is tight and the bottom O-ring is no longer seen. Figure 9. When properly seated the notch on the piston cylinder (G) will line up with the catch on the pressure cylinder (H). Figure 10.

9) Apply a light coat of grease to the inside of the piston cylinder wall and on the Viton® collar, and then re-install the piston into the piston cylinder. Figure 11. Insert the piston at a slight angle with the leading edge of the Viton® collar placed over the slot in the piston cylinder. Install the 6mm Allen head bolts through lever base into shat.
DIAPHRAGM PUMP DISASSEMBLY AND REPAIR

1) Loosen the stop plate (A) and remove the two allen head screws (B) that hold the connecting pieces to the pump rod. Figure 13.

2) Remove the pump rod (C) and the hose (D). Next, loosen the clamp at the base of the sprayer (E). Figure 14.

3) Push the pressure cylinder approximately 1" out of the bottom of the tank. Then turn the pump assembly "90°." Figure 15.

4) Next, remove the 12 torx screws that hold the flange in place. The flange and diaphragm can then be removed. Figure 15. Note: For clarity of this information the pressure cylinder is shown removed from the tank.

5) To replace the diaphragm, remove the connecting rod retaining screw (G) from the plunger and lever (F). Replace the diaphragm and reassemble. See Figure 16.

6) The valve assembly (H) is removed using a locally made tool. See tool drawing for measurements. Remove valve plate retaining pin and insert tool into slots. See Figure 17. Use a screwdriver to rotate tool counter-clockwise.

7) Once the valve assembly is removed, the valve plate and O-rings can be replaced. Figure 18.

8) The pump housing (I) is separated from the pressure cylinder (J) by pulling it off. Figure 19. The O-ring can then be replaced.

9) When reassembling the pump housing to the pressure cylinder, be sure the square tab on the pump housing (K) is aligned in the notch. See arrows (L) on the pressure cylinder in Figure 20. Be careful not to pinch or nick the O-ring.

10) Screw the valve assembly into the cylinder. Be sure that the two square holes on the threaded portion of the valve assembly are aligned with the holes in the pressure cylinder. If the pressure cylinder was removed, look through the inlet screen to check alignment. If the pressure cylinder was not removed, the two holes of the valve assembly must be centered on and facing the hose nipple.
<table>
<thead>
<tr>
<th>Description</th>
<th>Order number</th>
<th>Spray volume</th>
<th>Pressure</th>
<th>Angle</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat spray nozzle</td>
<td>4074933*</td>
<td>0.86 0.23</td>
<td>1.0</td>
<td>120°</td>
<td>Drug and row treatment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.25 0.32</td>
<td>1.0</td>
<td>120°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.63 0.40</td>
<td>3.0</td>
<td>80°</td>
<td></td>
</tr>
<tr>
<td>Flat spray nozzle - braise</td>
<td>0069210</td>
<td>0.46 0.12</td>
<td>1.0</td>
<td>80°</td>
<td></td>
</tr>
<tr>
<td>- plastic with stainless</td>
<td>0069132</td>
<td>0.64 0.17</td>
<td>2.6</td>
<td>80°</td>
<td></td>
</tr>
<tr>
<td>steel insert</td>
<td></td>
<td>0.78 0.21</td>
<td>3.0</td>
<td>80°</td>
<td></td>
</tr>
<tr>
<td>Adjustable nozzle - braise - plaste</td>
<td>4900207</td>
<td>1.53 0.40</td>
<td>2.8</td>
<td>30°-50°</td>
<td>tree spraying (adjustable spraying pattern)</td>
</tr>
<tr>
<td></td>
<td>4900927*</td>
<td>0.70 0.30</td>
<td>2.4</td>
<td>30°-50°</td>
<td></td>
</tr>
<tr>
<td>Full cone nozzle</td>
<td>0065212</td>
<td></td>
<td></td>
<td></td>
<td>Game plants of high viscosity</td>
</tr>
<tr>
<td></td>
<td>0065213</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Full cone nozzle</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Game plants of low viscosity</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hollow cone nozzle</td>
<td>0065214</td>
<td></td>
<td></td>
<td></td>
<td>Game plants</td>
</tr>
<tr>
<td>1 mm orifice</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hollow cone nozzle 1.4 mm orifice</td>
<td>4900202</td>
<td>0.64 0.17</td>
<td>1.0</td>
<td>65°</td>
<td>Shrub and brush</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.91 0.24</td>
<td>2.0</td>
<td>65°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.11 0.29</td>
<td>3.0</td>
<td>65°</td>
<td></td>
</tr>
<tr>
<td>Hollow cone nozzle 1.4 mm orifice</td>
<td>4900322*</td>
<td>0.90 0.23</td>
<td>1.0</td>
<td>50°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.25 0.35</td>
<td>2.0</td>
<td>50°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.53 0.40</td>
<td>3.0</td>
<td>50°</td>
<td></td>
</tr>
<tr>
<td>Hollow cone nozzle AN 0.5</td>
<td>4074383*</td>
<td>0.23 0.06</td>
<td>1.0</td>
<td>90°</td>
<td>Mainly for herbicides at low pressure</td>
</tr>
<tr>
<td>No-drift nozzle AN 0.0</td>
<td>4074385*</td>
<td>0.28 0.07</td>
<td>0.4</td>
<td>100°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.38 0.15</td>
<td>0.7</td>
<td>100°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.46 0.21</td>
<td>1.0</td>
<td>100°</td>
<td></td>
</tr>
<tr>
<td>No-drift nozzle AN 0.2</td>
<td>4074386*</td>
<td>0.55 0.14</td>
<td>0.4</td>
<td>100°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.70 0.20</td>
<td>0.7</td>
<td>100°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.91 0.24</td>
<td>1.0</td>
<td>100°</td>
<td></td>
</tr>
<tr>
<td>No-drift nozzle AN 0.5</td>
<td>4074614*</td>
<td>0.77 0.19</td>
<td>0.4</td>
<td>110°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.95 0.25</td>
<td>0.7</td>
<td>110°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.14 0.30</td>
<td>1.0</td>
<td>110°</td>
<td></td>
</tr>
<tr>
<td>No-drift nozzle AN 5.0</td>
<td>4074513*</td>
<td>1.80 0.40</td>
<td>0.4</td>
<td>120°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.90 0.37</td>
<td>0.7</td>
<td>120°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.09 0.45</td>
<td>1.0</td>
<td>120°</td>
<td></td>
</tr>
<tr>
<td>Foam nozzle</td>
<td>4900397*</td>
<td>0.74 0.20</td>
<td>3.0</td>
<td>45°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.90 0.25</td>
<td>4.0</td>
<td>90°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.01 0.26</td>
<td>6.0</td>
<td>90°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.10 0.29</td>
<td>6.0</td>
<td>90°</td>
<td></td>
</tr>
</tbody>
</table>

*Standard equipment

The XAV 2 nozzle is suited for low flow and wide spraying applications of herbicides which tent to hum.