

How To Change Spray Nozzles

Solo handheld and backpack sprayers are equipped with an interchangeable nozzle system compatible with TeeJet® nozzles and TeeJet® type nozzles. Most sprayers have the plastic adjustable nozzle fitted to the wand. Additional nozzle types such as a flat spray nozzle, swirl plate, and jet cap nozzle are included with most sprayer purchases and can be found in the box or inside the sprayer.

Removing the Plastic Adjustable Nozzle

Before you can change the nozzle type, you will need to uninstall the standard red plastic adjustable nozzle. The elbow nozzle assembly doesn't look complicated but removing the plastic adjustable nozzle is often a point of confusion.

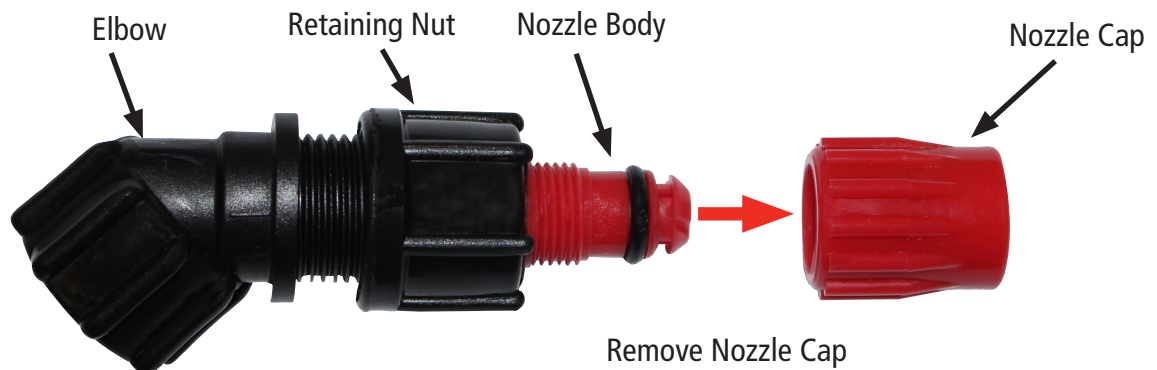
The image below breaks down the different components of the elbow nozzle assembly. Understanding the components of the elbow nozzle assembly will make it easier to change the nozzle.



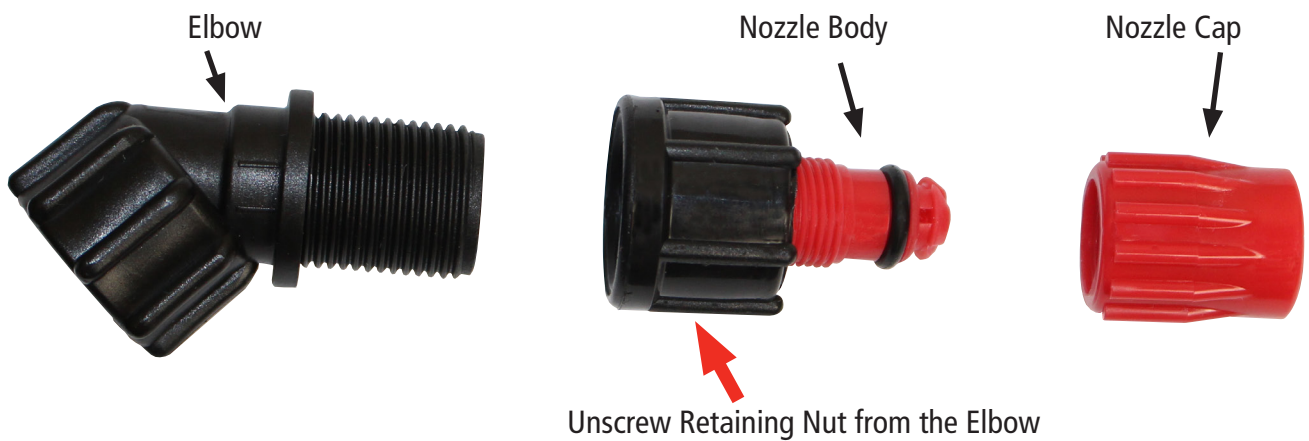
* Nozzle cap is one part of the plastic adjustable nozzle. The plastic adjustable nozzle consists of the nozzle cap and the nozzle body.

Step 1: Remove nozzle cap

First, make certain that the retaining nut is screwed tightly onto the elbow. Next, screw the red nozzle cap from the elbow assembly. It's critical to remove the red cap from the rest of the elbow assembly first or else you will not be able to remove the black retaining nut.

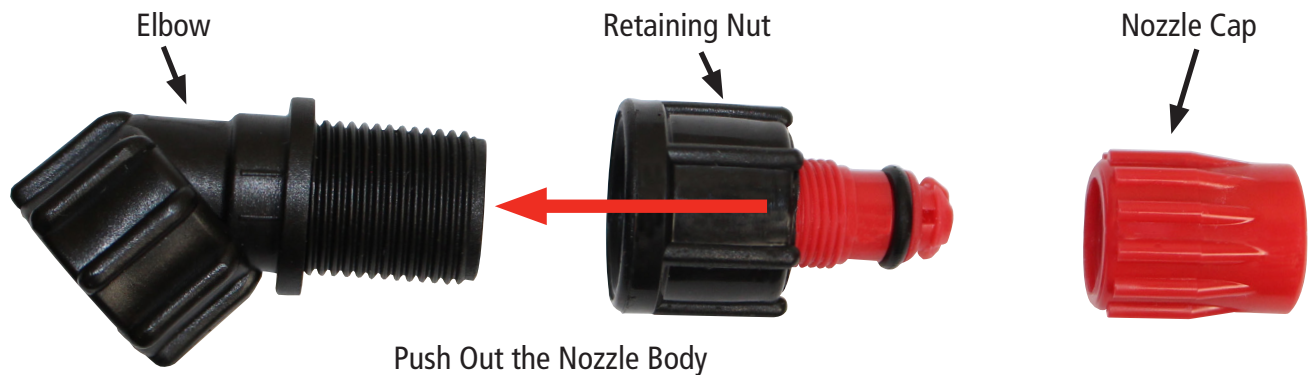


Step 2: Unscrew the black retaining nut



Step 3: Push out nozzle body

Once you remove the black retaining nut, push out the inner nozzle body and the filter.



Once you've removed the nozzle, you can install a new nozzle.

Installing Different Nozzle Types

You've removed the plastic adjustable nozzle, but how do you install a new nozzle? Each nozzle type has slight variations in installation, but there is a general pattern when it comes to changing the nozzle.

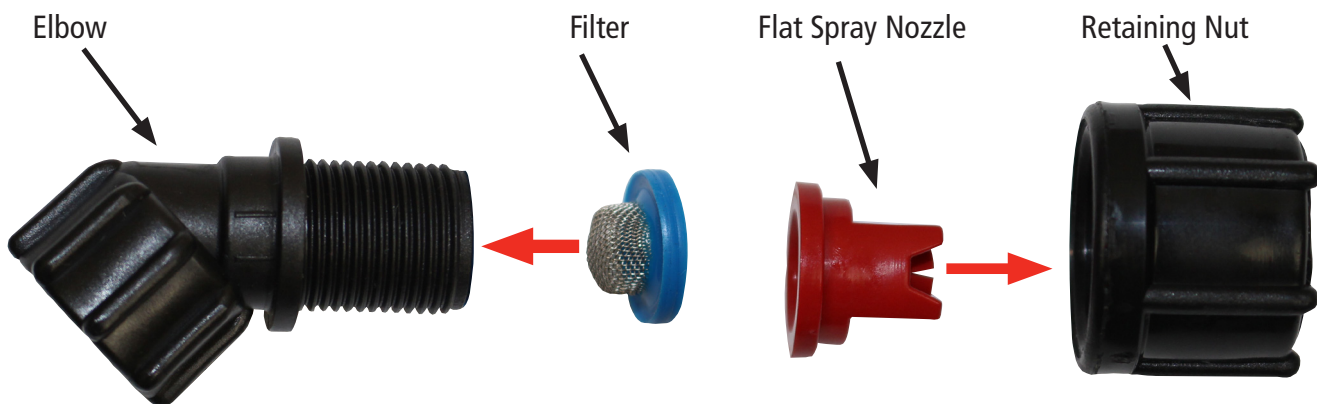
No matter which nozzle you install, you will always need to install a filter, the nozzle is always placed into the black retaining nut, and once the filter is inside the elbow and the nozzle is situated inside the retaining nut, you attach the two components.

Flat Spray

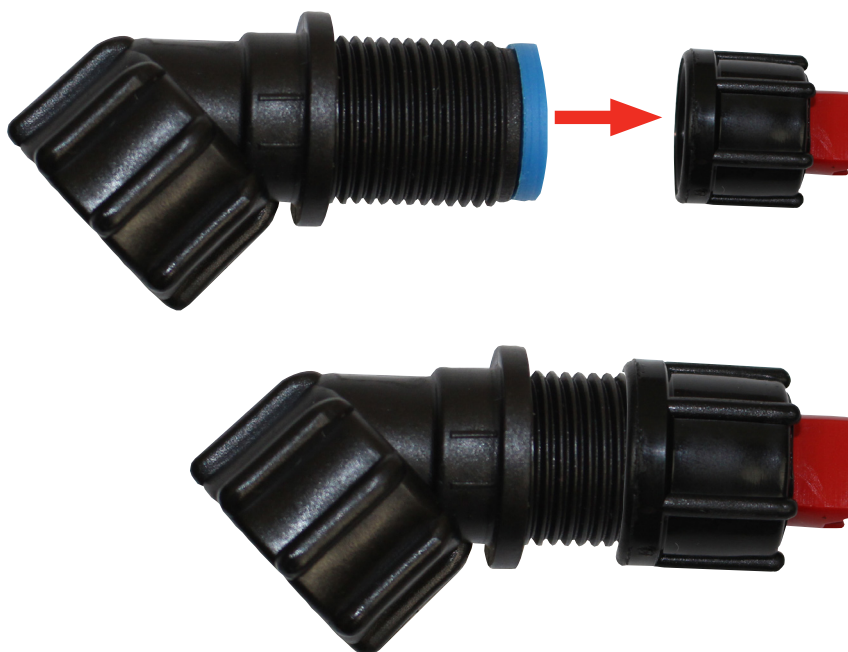
A flat spray nozzle is typically used for a variety of lawn care tasks.

Step 1: Place the filter into the elbow

Step 2: Slide the flat spray nozzle into the retaining nut



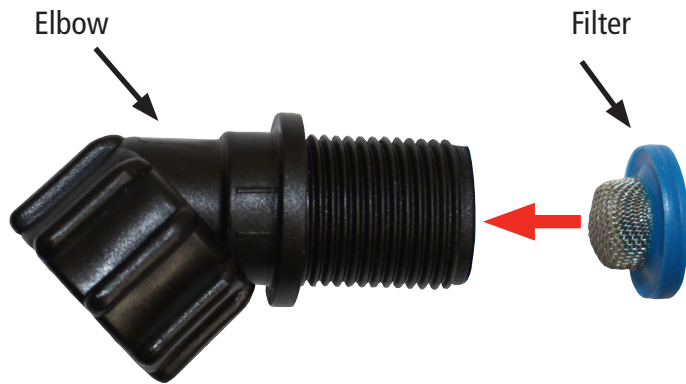
Step 3: Attach the retaining nut to the elbow



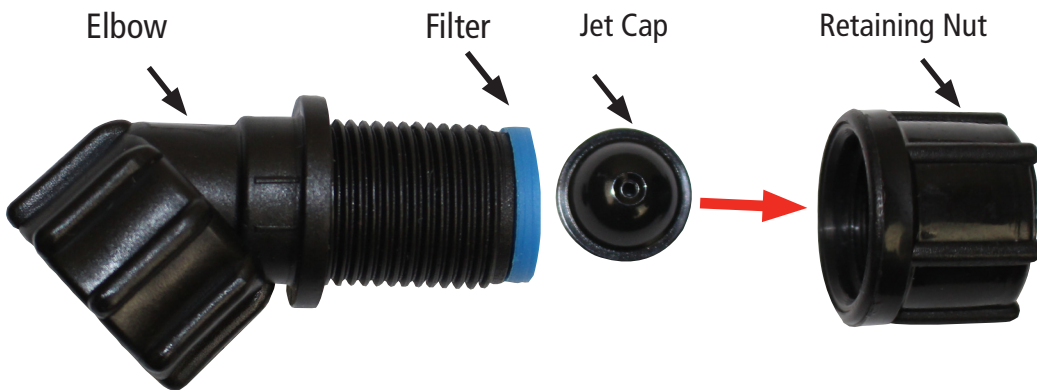
Jet Stream Nozzle

A jet stream nozzle is designed for spot spraying and for longer range spraying.

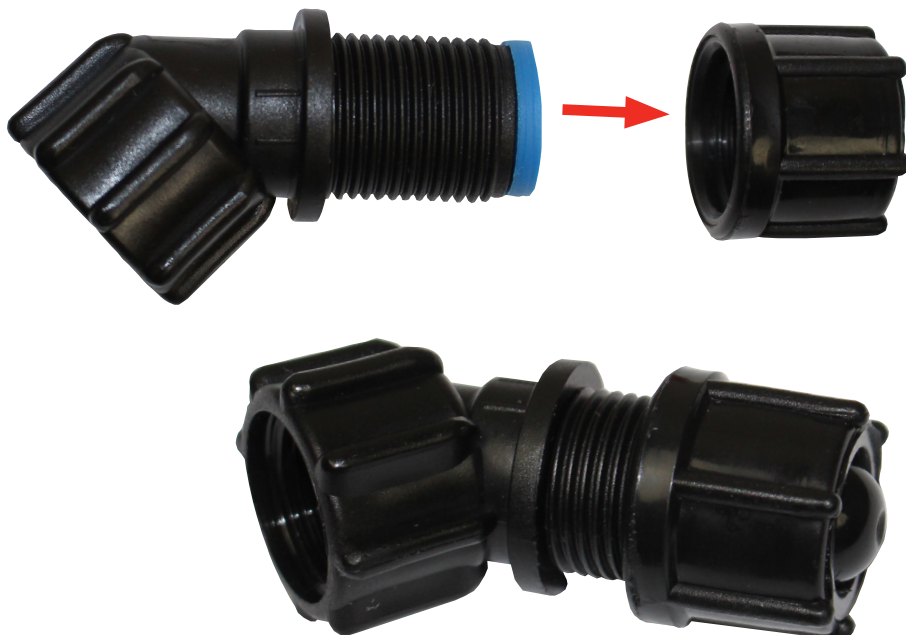
Step 1: Place the filter into the elbow



Step 2: Drop the jet cap into the black retaining nut



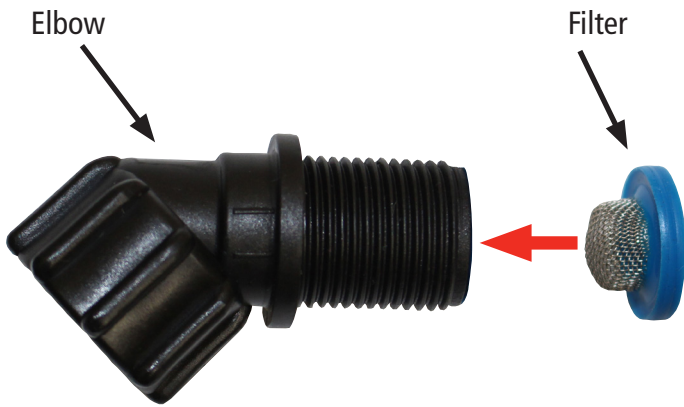
Step 3: Attach the retaining nut to the elbow



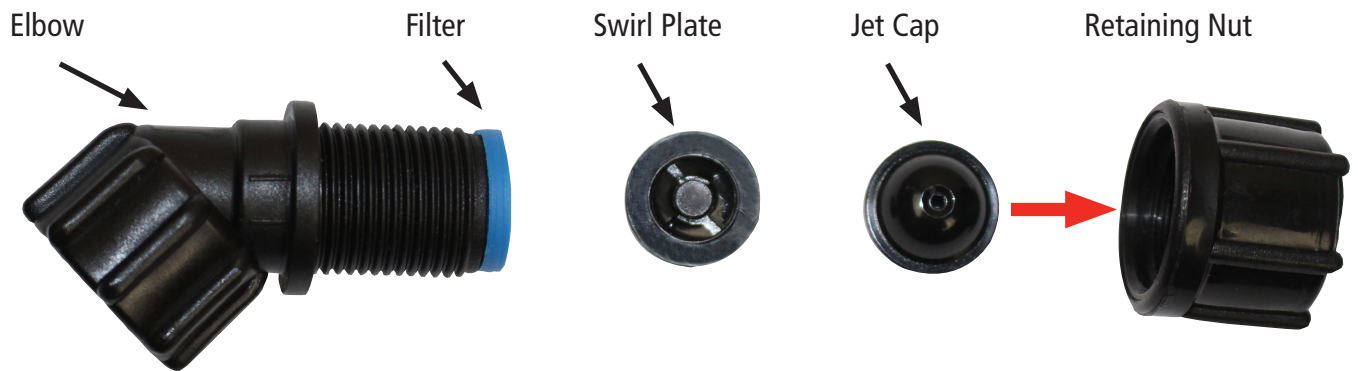
Hollow Cone Spray

A hollow cone spray, or conical spray, is achieved by combining a jet cap and swirl plate and is designed for the treatment of shrubs, bushes, and small trees.

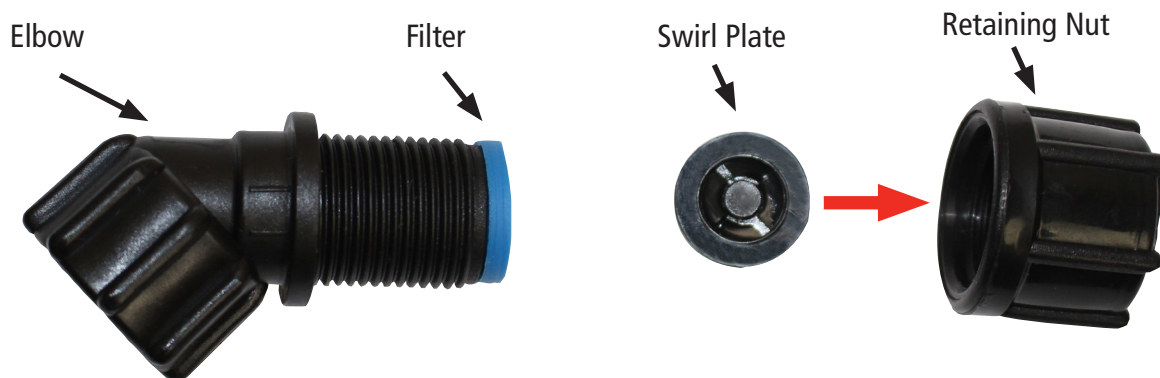
Step 1: Place the filter into the elbow



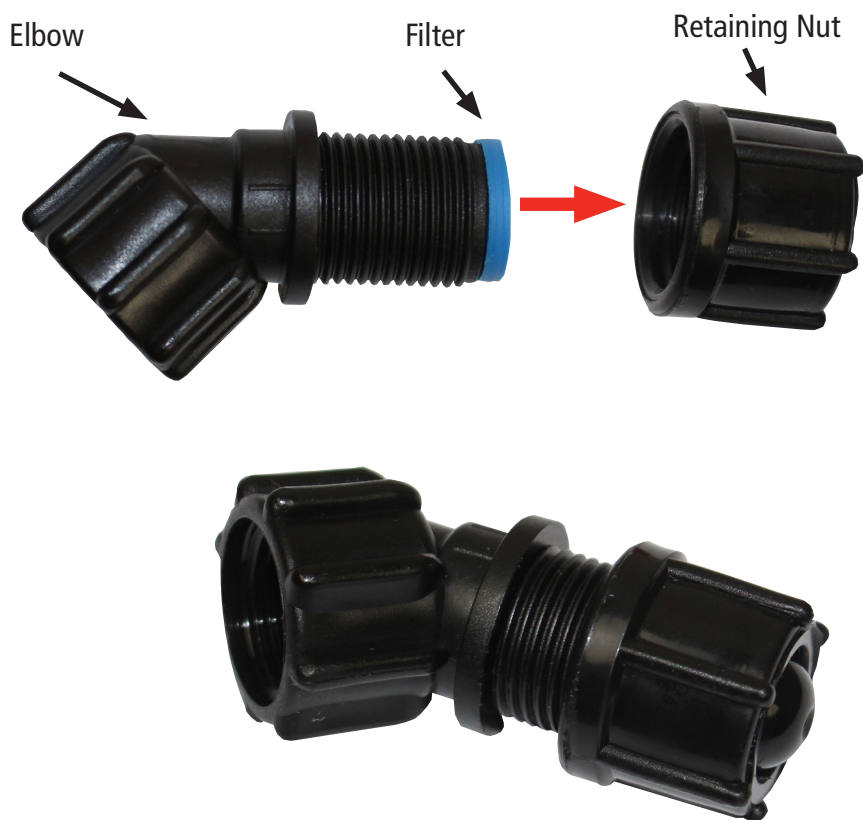
Step 2: Drop the jet cap into the black retaining nut



Step 3: Drop the swirl plate, on top of the jet cap, into the retaining nut



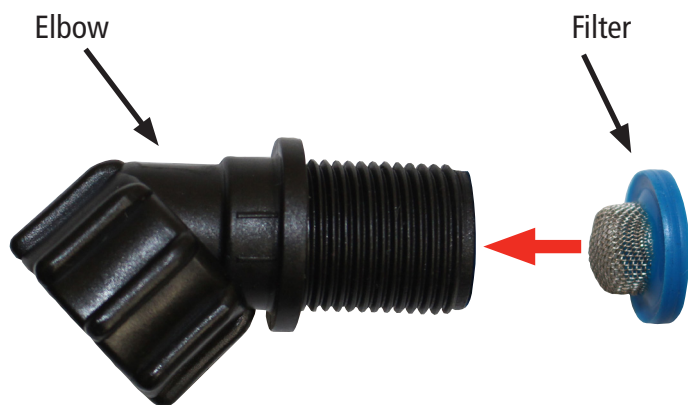
Step 4: Attach the retaining nut to the elbow



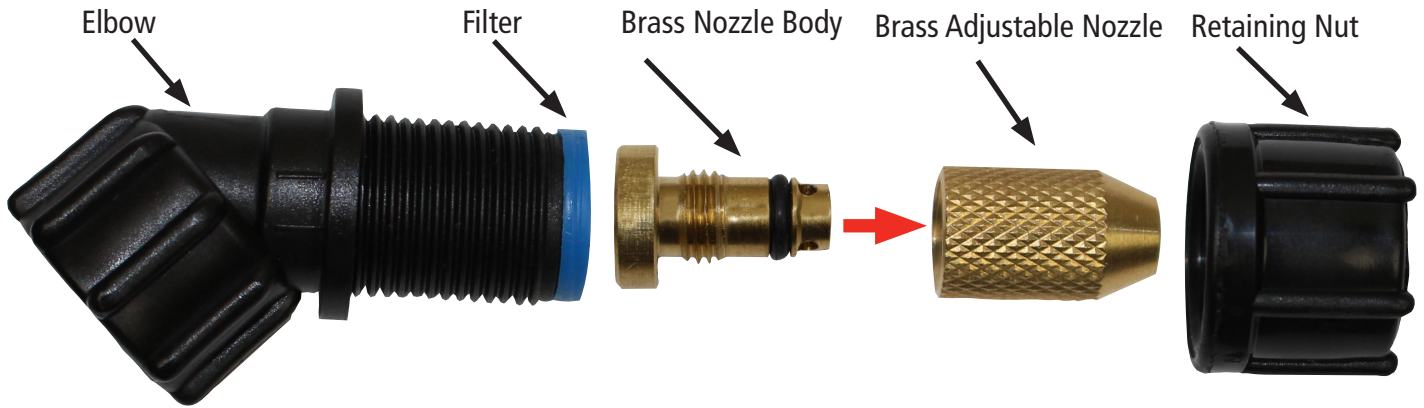
Brass Adjustable Nozzle

Installing the brass adjustable nozzle is the same as installing the plastic adjustable nozzle. The brass adjustable also has an outer nozzle cap and an inner nozzle body.

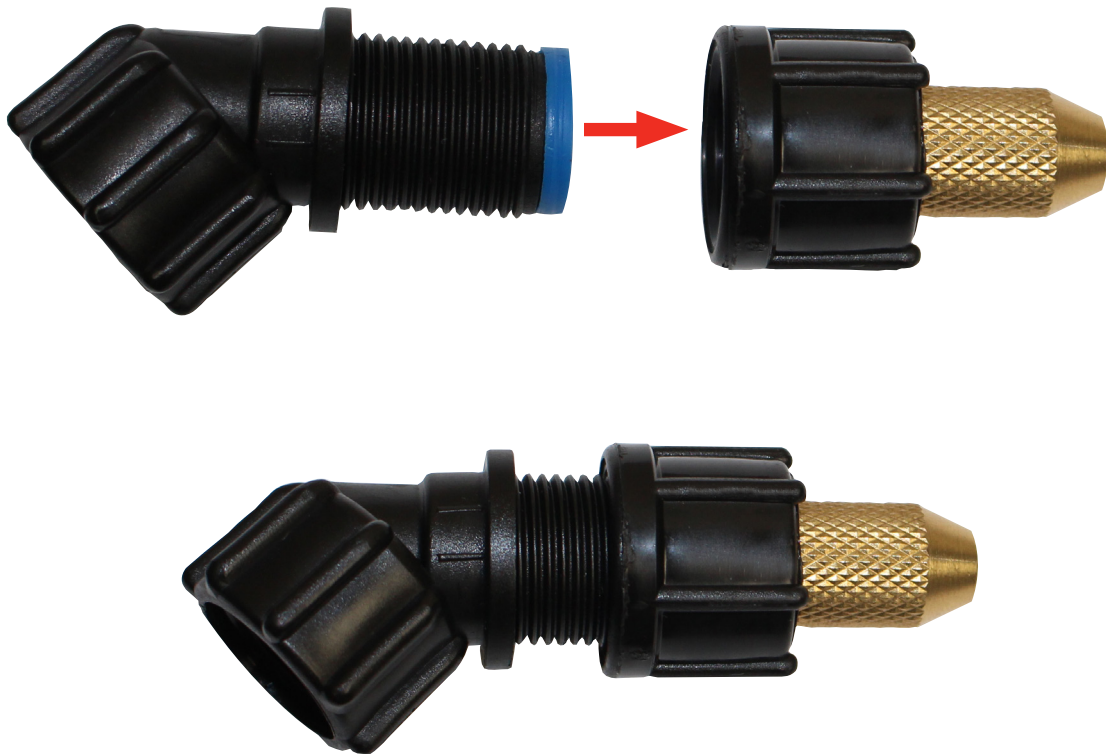
Step 1: Place the filter into the elbow



Step 2: Place the brass nozzle body and brass adjustable nozzle into the black retaining nut



Step 3: Attach the black retaining nut to the elbow



How to Reinstall the Plastic Adjustable Nozzle

To reinstall the plastic adjustable nozzle, insert the inner nozzle body into the black retaining nut. Place the filter screen into the elbow. Reattach the black retaining nut to the elbow. Finally, tighten the red tip to the plastic adjustable body.

About the Different Nozzle Kits

In addition, Solo offers a variety of nozzle kits.

Sprayer Elbow & Nozzles: Part #0610408-P

Premium interchangeable nozzle tips for precise spray volume, droplet size, and spray patterns. Fits all Solo manual sprayers EXCEPT 400-1G, 405-B, 405-N, and one-hand sprayers. An overall assortment that includes a no-drip check valve, a stainless mesh filter screen, a flat fan nozzle, a no-drift nozzle, a jet stream, and a hollow cone nozzle, an elbow, a screw cap, and O-rings to complete the most common spraying tasks.



Eight Piece Nozzle Set: Part # 0610456-P

Premium interchangeable nozzles for precise spray volume, droplet size, and spray patterns. Includes an elbow, a flat fan (red VP110-04), flat fan (green F-80-015), flat fan (blue F-80-03), and flat fan (yellow F-80-02), no-drift 1.0 mm, no-drift 2.5 mm, jet stream, hollow cone, and jet cap nozzles in sizes of 1mm (light grey), 1.5mm (black), and 2.0mm (dark grey) to handle multiple spraying tasks. Fits all Solo backpack and most handheld sprayers EXCEPT 400-1G, 405-B, 405-N, one-hand sprayers.



Speed Tip Nozzle: Part # 4074666

The speed tip multi-pattern spray nozzle with three of the most popular spray patterns: powerful jet stream, fine full cone mist, and a 90° flat spray pattern. Now with a simple turn of the dial, you can rapidly switch spray patterns on demand thus eliminating the need to carry additional nozzles or perform nozzle changes in the field.

