Professional painting supplies

Product Guide
Airless Spray Tip Guide

How to choose the correct size Airless Spray Tip!

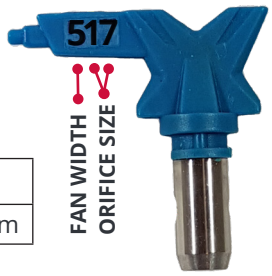
A wide range of airless spray tip sizes are available.

Using the correct size tip for a particular job gives good spraying control and ensures professional quality painting results.

Airless tips are identified by a three digit number - the first number indicating the spray pattern angle and width of the fan; the second two numbers show the orifice size in thousandths of an inch and determine the paint flow rate.

Fan Width
The first number indicates spray fan pattern width:

2	3	4	5
100mm	150mm	200mm	250mm



Orifice Size (size of the hole in the tip)
Orifice sizes range from 07 up to 35. Check the maximum size tip your airless sprayer will support. If a larger size tip is used there will be insufficient product flow to atomise correctly.

Usage guidelines:

07 - 11	Use with stains, lacquers, clear finishes, light sealers and enamels
13- 15	Use with enamels - oil and waterbased, quality latex and acrylic finishes on interior work and weatherboards.
17 -19	Use with roof paints, primers, heavier water based paints
21 - 35	Use with block fillers, heavy sealers, industrial coatings

Airless Tip Selection
To select the size tip for your job -what type of area are you painting?

Narrow such as interior trim, fence posts, or steel beams? Or larger areas like a ceiling, wall or roof?
This will determine the width tip you require.

Secondly - what type of paint or coating are you using?
This will determine the size orifice tip you should use.

Examples:
Painting a roof - this will need a wide fan and a larger orifice size, eg 517 or 519.
Painting acrylic enamel on interior trim - narrower fan and smaller orifice eg 211 or 313

Remember - to try and use one tip size for different applications is not an efficient use of an airless sprayer.

Airless Spray Tip Wear
The spray tip is a wear part and should be replaced regularly. Depending on type of paint used, after spraying as little as 200 litres the tip may be worn enough to require replacement. Water based paints tend to cause quicker wear than an oil based or clear coating. When the tip orifice enlarges, the fan pattern becomes irregular and paint usage increases making it hard to get good results. Regular spray tip replacement is a cost effective requirement for getting the benefits of airless spraying.
