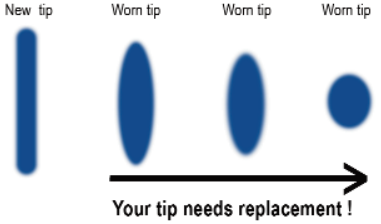
Airless Flat tips

for automatic, robotic and manual coating applications in all industries

All Exitflex flat tips integrate high quality tungsten carbide inserts, which provide maximum erosion resistance for high-pressure spraying. Despite their extreme hardness, Tungsten carbide tips do wear. Replace them before its costs a great deal of money in labor and material! All tips are laser-marked. Customised marking may be applied on demand.



Spray angles and pattern widths quoted are as manufactured and tested on water. Spray widths can vary and depend upon viscosity, solids content and pressure employed. To determine a new flow rate (Q2) at a new working pressure (P2), use the following formula, knowing that P1 = 100 Bar

$$Q2 = Q1 \times \sqrt{\frac{P2}{P1}}$$

The following equivalent orifice size ranges are suggested for the material listed:

Stains and lacquers:	0.006in to 0.013in
Oil based paints	0.013in to 0.015in
Latex emultions	0.017in to 0.021in
Heavy paints, latex	0.023in to 0.029in
Block fillers, epoxies	0.029in to 0.061in

Remember - Lower viscosity materials such as lacquers means smaller orifice sizes and heavier viscosity coatings such as oil-based paints means larger orifice sizes.

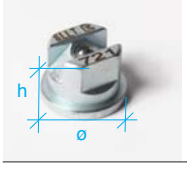
Our standard airless flat tips programme consists of:

The Standard Industrial
Reference : **63-505**
stainless steel body
h = 11mm , ø = 15mm

The Superfine
Reference : **63-509**
stainless steel body
h = 15mm , ø = 15mm

The Line Marking
Reference : **63-507**
stainless steel body
h = 11mm , ø = 15mm

The Contractor I
Reference : **63-501**
carbon steel, black zinc plated body
h = 8.7mm , ø = 15mm



The Contractor II
Reference : **63-513**
zinc plated body
h = 10.50mm , ø = 15mm

Other materials, shapes and sizes on request.

Spray tip programme
Airless Flat tips

- Standard Industrial, stainless steel body (63-505)
- Contractor I (63-501)
- Line marking (63-507)
- Superfine (63-509)
- Contractor II, zinc plated (63-513)

Ordering example

A customer requests
a Superfine tip (63-509)
with a flow rate of
0.33 l/min at 100 Bar
and a spray pattern of
14 to 16 inches at 30 cm.
The spray tip programme table
gives us the following tip size :

1 - For a pattern width of
14 to 16 inch, the angle is
70° (coded "7")

2 - Equivalent orifice size
0.010 inch (coded "10")

3 - The complete reference
part number is therefore
63-509 710

Conversion factors

Volume

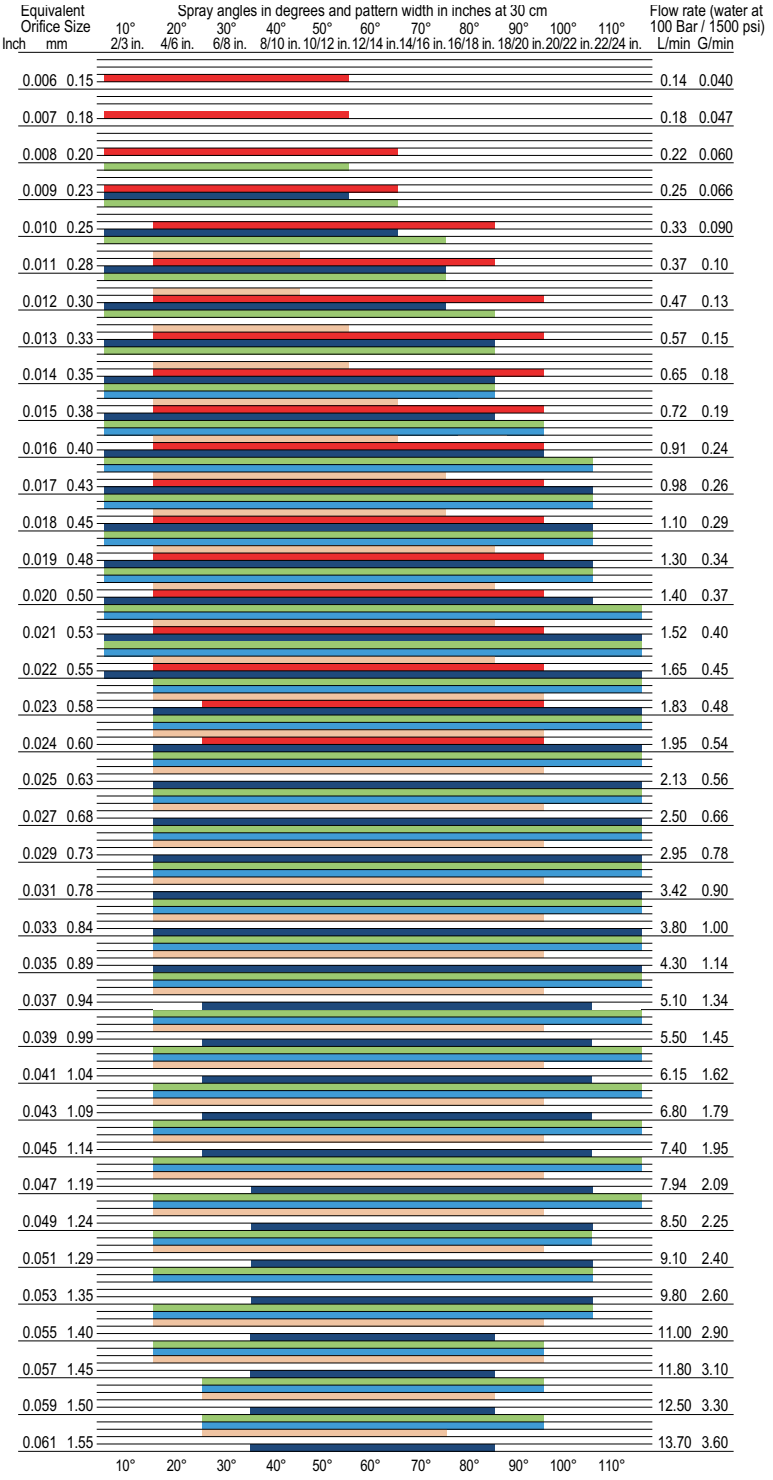
From	To	Multiply by
Liters	Gallons	0.2642
Gallons	Liters	3.785

Flow

From	To	Multiply by
Liter/min	Gallons/min.	0.2642
Gallons/min.	Liters/min.	3.785

Length

From	To	Multiply by
Inches	Centimeters	2.54
	Millimeters	25.4
Millimeters	Inches	0.0394
Centimeters	Inches	0.3937



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