

of most materials. It requires approx. 12 cfm to function correctly at a handle input pressure of 45 psi.

The AV-645-FW 1.6mm **Fluid Tip** will also work with most materials, although for higher fluid flow rates or higher viscosity materials the larger AV-645-EX 1.8mm may be more suitable. Both Fluid Tips are suitable for use with the 186+ Air Cap. The JGA-421-FF **Fluid Needle** is used with the 1.6mm FW tip and the JGA-421-DEX Fluid Needle is used with the 1.8mm Fluid Tip.

IT W Industrial Finishing

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The **ITW DeVilbiss JGA** Suction spray gun is a high performance, high production spray gun. It is a Conventional style DeVilbiss Air Atomising Spray Gun used in paint shops all around the World. We recommended that the 186+ air cap be initially set up at a start point of **45 psi** (3 bar) at the handle (when the trigger is pulled). This can then be used to test for atomisation and fan shape/material distribution characteristics. If felt necessary this atomisation pressure may be increased or decreased slightly to optimise the guns spray performance. The gun is fitted as standard with a 1.1 Litre capacity Aluminium cup. The Aluminium construction is compatible with most Solvent-based and some Water-based materials used for modern finishes.

The average paint viscosity will use a fluid tip between 1.4mm to 1.8mm Suction feed guns will typically use one or two sizes bigger fluid tip than a Gravity gun spraying the same fluid due to the Force of Gravity opposing the flow of fluid to the fluid tip orifice

How much do you want to come out/How fast do you want to move your arm?

High flow = big hole, Low flow = small hole The average sprayer will need a fluid tip between 1.6 to 2.0mm

What air pressure should I use?

The minimum pressure necessary to give adequate atomisation to do the job Every job and paint type requires a different air pressure - you can only find this out by trying it. Trans-Tech is more flexible than HVLP, but don't overdo it or it won't be any more efficient than an ordinary spray gun. We recommend a start handle input pressure of 30psi when the trigger is pulled, then gradually increase or decrease as necessary until the desired result is achieved. Remember the air pressure on a Suction spray gun also generates the suction to get the fluid to the front of the spray gun. Small air pressure = small fluid flow.

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HOW DOES A JGA SUCTION SPRAY GUN WORK?