General Information (Gun Type Selection)

1. Gun Selection with Different Feed Type

Pressure Feed Type is often suitable at Large Production Volume environment where spraying one colour with high volume of paint. Together with paint pump or Paint pressure, it will help the clients to have stable and consistent production.


Suction feed type is suitable for spraying with small /medium size paint parts. It is also good for frequent colour change. Spray gun can stand with container even if there is no gun holder.

Side cup（Gravity） is suitable for spraying with small/medium size paint parts. The key advantage of side cup is to allow the painter to rotate the cup. It means the painter can spray with any angle. Also, Visibility of paint performance is better than others.


Center cup（Gravity） can work very well with high viscosity paint such as Water-Based Paint thanks to it's better fluidity compared to other technologies.


2. Key Features of "Low Pressure" Guns

Definition of low pressure gun: Inner air pressure inside air cap must be less than 0.07MPa.

The exclusive design of air cap, nozzle and gun body can keep inner air flow very mild. This contributes to higher transfer efficiency and less overspray.

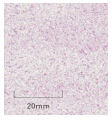
Less overspray results in improved working environment and reduction of maintenance time.

※It can reduce 20-30% paint consumption according to our our internal test.

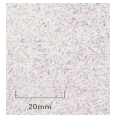
Why does transfer efficiency improve with low pressure?

・Because the paint is being sprayed with less air force, the paint can sit on the object more easily.

・Low pressure type is designed to obtain bigger paint particle size than general atomization type. The low pressure gun can control small paint particle, and reduce overspray to achieve better transfer efficiency.



<Low Pressure>



<Normal Pressure>

Important point when you use low pressure spray guns;
If you increase the inlet air pressure than recommended setting, the benefit of low pressure spray gun will be compromised significantly.

However, if you use low pressure gun with higher inlet air pressure than our recommendation, the paint atomization is higher than general atomization air cap type. ※Please note that this set up is not functioning as low pressure range.

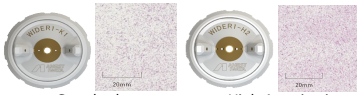
3. Atomization

We have two type of air caps - High Atomization type and General Atomization type.

Basically, high atomization air cap type is highly recommendable for various customers.

However, to choose high atomization air cap or not is depending on the paint, painted workpiece and customer's specific needs and requirement.

High atomization basically causes the reduction of transfer efficiency. The feature of general atomization air cap is more opt for paint saving, and reduction of working time than the high atomization Air Cap.


<Standard> <High Atomization>

4. V Slit Nozzle "Split Nozzle"

We have straight nozzle and V slit nozzle. V slit shape is an original design of Anest iwata. To apply the slit cut on nozzle is flowing air like a tornado. The slit cut technology can perform high atomization

Straight nozzle shape

V slit nozzle shape

By the high paint atomization efficiency, it can spray with low air pressure and low air consumption.

High atomization can achieve;

① High Quality of Paint Surface Finishing

② Less overspray and Paint Cost Saving

5. Gun Body Size

We have three size gun bodies.

Small: Assegai, LPH-80 (Gun body weight Around 200g)

Compact: Kiwami Series (Gun body weight around 300g)

Large: WS-400, LS-400, W400-WBX/Bellaria Gun body weight around 380g)

Chose the spray gun size depending on the work size

Generally, You can spray with any size of gun. However, if you can not chose correct gun size, you may not save the paint, and long working time.