

# T-AGHV

## HVLP Compact Automatic Spray Gun



The T-AGHV is the HVLP version of the T-AGB compact automatic gun.

### Features

- Adequate atomization can be achieved even at pressure of 0.7 kg/cm<sup>2</sup> within air cap, there is little bouncing back. Transfer efficiency is achieved 65% or more and paint loss is reduced dramatically.
- Because this gun has been developed with the same dimensions as the T-AGB compact automatic gun, the benefits of HVLP can be obtained without changing your current mounting jigs, or without changing your teaching methods in the case of robots.
- You can use the factory air your currently using, because a gun inner step down type HVLP method is used.
- The gun body, Fluid tip, and needle are made of stainless steel and the body has been provided with a gold plating. This gun can be used in a large range of painting application.

Air Cap Pressure Test Kits (Optional):

• KK-5033-33A • KK-5033-46MP • KK-5033-83MP

These test kits are with gauge for measuring air pressure in the air cap. Since air hose pressure loss varies with the inner diameter and length of the hose, we recommend that you use these air cap test kits to check the relationship between air pressure in the air cap and the air pressure at the operation panel. Special application: Please make an inquiry separately for information about special applications such as for enamels and chemicals, etc.

### Use Method

The T-AGHV gun does not have an air valve mechanism inside the gun, so it can be used as an air bleeder type or please pay attention to on/off timing of air and fluid.

\*Please set the cylinder air (CYL) pressure to 3.5kgf/cm<sup>2</sup> or higher.

## HVLP High Volume Low Pressure

In current times, a high volume low pressure (low pressure and high volume atomizer) is required.

The HVLP spray gun has stolen the limelight as a low pollution model painting machine with a painting efficiency rate of 65% or higher, and it will save a considerable amount of paint compared to an ordinary air spray gun.

This reduces over spraying making cleanup at the worksite and handling waste paint easier.

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## Combination of air caps, Fluid tips, and needles

Air cap	Fluid tip engravings	Needles
JGHV-101-33A	AV-4915-FX, 1.1 mm	T-JGA-402-FZ
JGHV-101-33A	AV-4915-FF, 1.4 mm	T-JGA-402-FZ
JGHV-101-33A	AV-4915-E, 1.8 mm	T-JGA-402-E
JGHV-101-46MP	AV-4920-FX, 1.1 mm	T-JGA-402-FZ
JGHV-101-46MP	AV-4920-FF, 1.4 mm	T-JGA-402-FZ
JGHV-101-83MP	AV-4920-E, 1.8 mm	T-JGA-402-E
JGHV-101-83MP	AV-4920-D, 2.2 mm	T-JGA-402-DEX

Note) Even though the Fluid tips combined with 33A, 46MP, and 83MP have the same nozzle diameter, the nozzles are shaped differently and are thus not interchangeable. Please refer to above chart for the combination of air cap and fluid tip size.

Air Cap Characteristics and Applications			Air pressure and air consumption $l/min$	
Air cap No.	Standard pattern size and shape	Application	0.7 kgf/cm <sup>2</sup> /hr	0.42 kgf/cm <sup>2</sup> /hr
#33A	Approximately 230mm, tapered pattern (Similar to pattern #30)	General paints For low flow rates (up to 300 cc/min)	520	410
#46MP	Approximately 280mm, straight pattern (Similar to pattern #704)	For general paints, medium viscosities, and medium flow rates (up to 300 to 500 cc/min)	630	460
#83MP	Approximately 330mm, straight pattern (Similar to pattern #705)	For general paints, medium viscosities, and large flow rates (500 cc/min or more)	730	550

Actual patterns are determined by the Fluid tip size, the flow rate, and the atomizing air pressure.

## T-AGHV Model Number

Example

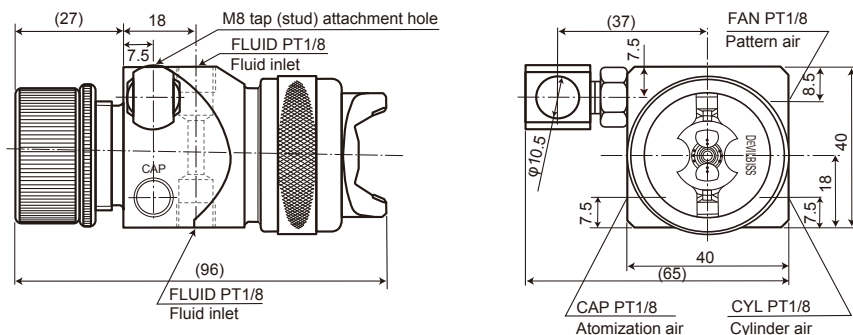
**T-AGHV-533-FX**

Model Name

Fluid Tip  
Air cap

■ Weight : 510g

## Dimension Diagram



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