Hvlp spray guns for turbines

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Best Budget HVLPHVLP Spray Gun Reviews and Buying GuideOffering straightforward operation and delivering a consistent finish across many painting mediums, the HVLP spray gun is popular with both DIYers and professional tradespersons.

Requiring little set-up and no priming, unlike their airless counterparts, these machines can be used straight out of the box. HVLP units minimize overspray, bounce-back, and wastage.What Is an HVLP Paint Sprayer?HVLP stands for a high-volume low-pressure paint sprayer.

These sprayers have existed since the 1930s when they were nothing more than a vacuum cleaner running in reverse. However, it was the appearance of turbine-driven HVLP machines in the early 1990s that popularized the format.

For the first time, powered-painting was in reach of the general homeowner and DIYer -- negating the need for an enormous and expensive compressor, allowing the keen home decorator to plug in and go.

As a quick aside, it"s important not to confuse an HVLP sprayer with an LVLP (low-volume, low-pressure) unit. My HVLP vs LVLP article explains the difference in application, usage situations, and the pros and cons of each system.

These sprayers utilize a fan, or series of fans, to propel your coating medium through the gun tip where it is atomized and then delivered onto your surface. The more fans the turbine has (known as stages in the painting world), the greater the power output, which allows the unit to handle more viscous liquids.

The original machines incorporated a floor-standing housing that contained the fan and motors. A lightweight gun connected to this powerhouse via a hose. Today, these external turbine machines, such as the mighty Wagner FLEXiO 5000, remain popular with tradespeople and hardcore DIYers. Anyone who demands a rapid delivery of thick paints onto expansive projects opts for a turbine HVLP.

To satisfy home users who sought more compact units, manufacturers developed handheld turbines, like the Finish Max. These incorporate the fan/s into the gun itself and negate the need for a separate power unit.

While undoubtedly more convenient for the casual and intermittent DIYer, the in-built turbine can make the "shooter" heavier to wield. With the size of the gun restricting the number of turbine stages, they typically deliver lower output than their external turbine cousins -- making them less suited to viscous mediums and larger-scale work.

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