

XLINE
PERFECTION | QUALITY | PERFORMANCE

RA 6 HVLP Automatic spray gun



RA 6 HVLP

The XLINE RA 6 HVLP automatic spray gun stands out in every application area thanks to its design and modern features. The RA 6 HVLP is controlled entirely externally, can be equipped with a quick-change system, and offers all the modern features of the Krautzberger XLINE series. Our XLINE production and testing procedures enable us to integrate a complete check of our air nozzles into our process. The RA 6 HVLP therefore offers high precision and reproducibility in fully automated processes.

- XLINE HVLP nozzle system
- Easy maintenance
- Compact construction
- Modern design
- Dual control enables rapid switching cycles
- Body available in aluminium or stainless steel
- Air cap fixation, adjustment in 45° intervals
- Flexible jet geometry, separate round jet and flat jet control
- Easy-to-change needle and needle seal

- Quickly detachable locking piece
- Wear is reduced thanks to the needle being decoupled from the piston
- Spray gun can be changed without tools
- Spray gun can be changed without readjustment to ensure reproducible coating quality
- Large material channel cross-sections
- Needle stroke adjustment optionally available
- Various seal packs available for a wide range of media
- Also available with Krautzberger XLINE extensions – the RA 6 V and the RA 6 HVLP

Krautzberger HVLP system

The HVLP (High Volume Low Pressure) system draws its energy for atomising the medium from its large air volume. This is enabled by the nozzle system. Thanks to the low speed of the spray air, only a fraction of the overspray that occurs with conventional spray systems is pro-

duced. The Krautzberger HVLP system has an excellent transfer rate and thus saves material, which does not end up in the filter, but rather on the component to be coated.

Technical data

Dimensions

Height: 75 mm
Length: 121.5 mm
Width without retaining bolt: 40 mm
Width with retaining bolt: 94 mm

Weight

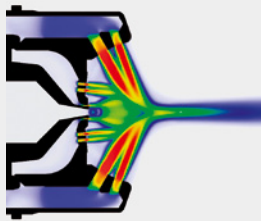
Aluminium design including adapter: approx. 520 g
Stainless steel design including adapter: approx. 970 g

Connections

Material connection: 1/8 inch
Control air connection: M5
Atomiser air: 1/8 inch

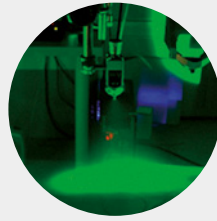
Operating pressures

Air connection, max.: 8 bar
Material connection, max.: 12 bar



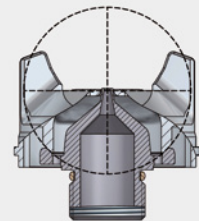
Optimisation via numerical flow simulation

- Further improved transfer rates through the optimisation of interior geometry
- Reduced soiling due to new exterior design



Automated 100% control integrated in production process

- Zero defect strategy for continuous quality improvement
- Improved reproducibility of the spray patterns



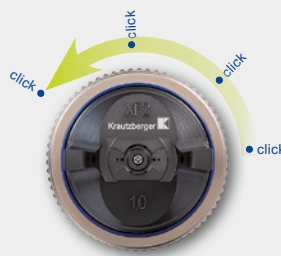
Functional improvement of the air nozzles

- Optimal centring of the fluid nozzle and the air nozzle through a spherical system
- Improved separation of flat and round jet air



Standard finishing in anodised aluminium

- Significant weight reduction (up to 60%)
- Easier cleaning
- For higher requirements also available in stainless steel, e.g. for use in the food and pharmaceutical industry



Improved handling and simple nozzle adjustment

- Trapezoid threads enable insertion and tightening in one step
- Simple and exact positioning and fixation of the air nozzle



Colour-coded identification of the spray procedures

- **BLUE** conventional compressed air
- **DARK GREEN** HVLP procedure
- **LIGHT GREEN** LVLP procedure