**Pos. 1.01: Displacement outlet for indoor shooting ranges (VA-RSA)**

for HVAC systems in accordance with the requirements of the Shooting Range Directive published by the German Federal Ministry of the Interior for removal of gases and dust from the shooter's occupied zone in shooting ranges.

Generates a low-turbulence piston flow with an air velocity of 0.25 up to 0.35 m/s over the entire room cross-section of an indoor shooting range. Air distribution across the entire surface flowing from the rear wall of the room. Differences between supply air and room temperature of ±4 K can be compensated by adjustable inductive outlets. The pressure loss of the active perforated discharge surface at an air velocity of 0.35 m/s is 30 to 35 Pa.

Arranged as a wall to form an acoustically lined pressure chamber in front of the rear wall of the room with connection to the floor, walls, and ceiling. Air outlet wall consisting of perforated sheet metal cassettes with screw connections, attached to a pillar frame with vertical and horizontal profiles, with integrated, horizontally arranged inductive outlets disposing of an adjustable discharge direction. Integrated air baffle plates for uniform distribution of the supply air over the perforated metal cassettes.

Option to integrate windows and doors. Version with air-flowed reveals around the wall openings for doors and windows. Vertical reveals for windows in an inclined design for undisturbed observation of the shooters. Supplied with all connection plates required for connection to the ceiling, walls, and floor as well as the necessary installation material such as screws and dowels in easy-to-install units for simple assembly on site.

**Technical Data**

Supply air volume flow: \_\_\_\_\_\_\_\_\_ m3/h

Coloring: All visible components such as air outlet cassettes, stud frame and connection plates powder-coated to RAL \_\_\_\_\_\_

Material:

Air outlet cassettes: Galvanized sheet steel

Stud frame: Steel

Dimensions of air outlet wall:  
Width: \_\_\_\_\_\_\_\_\_ mm  
Hight: \_\_\_\_\_\_\_\_\_ mm  
Depth: \_\_\_\_\_\_\_\_\_ mm

Door openings: Window openings:

Quantity: \_\_\_\_\_\_\_\_\_ pcs Quantity: \_\_\_\_\_\_\_\_\_ pcs

Width: \_\_\_\_\_\_\_\_\_ mm Width: \_\_\_\_\_\_\_\_\_ mm  
Hight: \_\_\_\_\_\_\_\_\_ mm Hight: \_\_\_\_\_\_\_\_\_ mm

Manufacturer: Krantz

Type: VA-RSA-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Quantity: \_\_\_\_\_\_ pcs Delivery unit price: \_\_\_\_\_\_\_\_\_€ **Total price**: \_\_\_\_\_\_\_\_\_€