

JOS - Vortex Stream Head

Technical Data Sheet



The vortex stream head allows the execution of three different blasting methods with just one basic nozzle. This offers the advantage to be able to adapt the equipment fast and optimally to the ever changing requirements in cleaning and to achieve ideal results. By replacing special individual components, the basic nozzle can be used effectively and economically as whirl jet, flat spray or jet nozzle. Classical ranges of application are for example light and filigree tasks in stone cutting.

Furthermore, the vortex stream head sets new standards in the range of surface technology. The new whirl jet nozzle allows an absolutely gentle, effective and environmentally sound cleaning when applying either dry, fog or wet procedure.

The three different blasting methods



Whirl jet nozzle: extremely gentle to surfaces

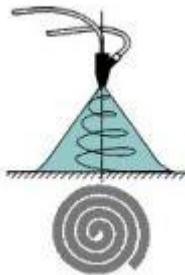
By using a vertebral body, the stream of compressed air is put into rotation within the nozzle. The blasting particles which are subtly spread within the rotating stream are gently conducted over the surface that needs to be cleaned. Thus, a fine grinding cleaning effect is achieved.



Round jet nozzle: with highly abrasive effect

This is the classical spray for all-purpose application. The Venturi round jet nozzle accelerates the mixture of air and abrasive material in the shape of a cone. The blasting particles are impacting the surface at high speed. The round jet nozzle is especially useful for the removal of colour, rust, plaster and for roughening surfaces.

JOS-Nozzles



When using JOS sand blasting nozzles, the escaping abrasive hits the surface circularly. Due to the rubbing effect produced by the rotating swivel of the nozzle, filigree surfaces like ornaments and figurines can be treated without any loss of material and the surface is taken care of at its best.

Furthermore, the blasting nozzles are environmentally friendly, since no additional chemicals are required. The low consumption of water is about 60 to 80 litre per hour.

JOS nozzles come in three different sizes. In connection with a Jos low pressure blaster, they are furnished with a nozzle holder and rewash equipment for large, mid-size and small areas.

Range of application:

- Blast cleaning
- Restoring facades
- Graffiti removal
- Restauration works
- Monument protection
- Cleaning of bricks, sandstone, ...

Technical Differences of the various Jos nozzles:

	Standard	Micro	Piccolo
Air volume	2600 l/min	1000 l/min	500 l/min
Amount of water	10-60 l/h	10-20 l/h	5-10 l/h
Amount of abrasive	30-80 kg/h	10-30 kg/h	10-15 kg/h
Diameter	9 mm	5 mm	3 mm
Scope	Mid-size areas of specified basic materials	Mid-size figurines, joints, hollow chambers	Small figurines, delicate natural stone

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