

WATER COOLED POWDER INJECTOR KIT

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Key facts:

- Central powder injection
- Significant reduction of powder adhesion
- Compatible with the Impact Gun 6/11 AH EvoCSII and the Central Injector Kit for WCPI
- Efficient water cooling



The water-cooled powder injector is manufactured using additive manufacturing, enabling the integration of complex cooling channels around the powder feed channel. Cooling water flows through these channels, efficiently dissipating heat from the channel surface.

Thanks to this optimized cooling, even very soft or highly temperature-sensitive materials - such as aluminum - can be processed reliably. The risk of injector clogging is significantly reduced, as powder adhesion is minimized. This leads to a substantial increase in process efficiency.

The water-cooled powder injector is highly versatile. It can be used directly with the Impact Gun 6/11 AH EvoCSII or with the Central Injector Kit for WCPI on any other variant of the Impact Gun.

The component supports process temperatures up to 900 °C.

The powder injector is available in two lengths:

- 89.5 mm (Injection point 38.9 mm before the nozzle)
- 133.4 mm (Injection point 5 mm inside the nozzle)

