

SCHMIDT

WSP

Airport Sprayer



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The WSP was developed for the de-icing of airport aprons. Its spray and projection nozzles guarantee highly accurate distribution of the de-icing liquid. The maximum spraying width is 20/24 metres.

Construction and Technology

The WSP is comprised of three components: the modular polyethylene fluid tanks, the drive unit as well as, a rear-mounted spray bar with spray nozzles and projection nozzles. The high-quality nozzles are set in a row located on the spray bar of the compact class (up to 8 m). One projection nozzle is located on each upper side of the spray bar ends. The vehicles of the large series (up to 24 m) have projection nozzles mounted on the rear and/or at the end of the extendable spraying arms. The entire machine is coated with a specially developed corrosion protection. All cavities are air closed. The spray tubes are made of stainless steel. The sprayer is designed for mounting on light, medium and heavy carrier vehicles. The WSP's modular design offers a wide variety of assembly options. This means that it can be easily customised to meet the individual needs of the various airports. For example, mounting the sprayer on the carrier vehicle can either be done via a fix-mount or de-mountable system.

In Operation

The WSP tackles icy surfaces using anti-icing and de-icing methods at a road speed related operating speed of up to 30 km/h. Due to its narrowness and its high manoeuvrability, the WSP of the compact class is ideal for use on airport aprons. The feeding of the de-icing liquid to the

spray nozzles is done by road speed related control driven pumps. Up to 50 g/m² of the de-icing liquid can be sprayed with good and efficient coverage. The unique Schmidt low-pressure pump system with its spray nozzles provides low spraying pressure during operation. The nozzles at the rear are positioned just 300 mm above the surface of the ground and form large drops. This reduces the swirling caused by turbulence to a minimum. Spraying is controlled by the control panel which is very easy to operate and located in the operator's cabin. This means that both the spraying width and dosage can be regulated quickly and efficiently.

Technical Data

Tank capacity	up to 20.000 l
Spraying width	8 m / 24 m
Operating speed	up to 30 km/h road speed related
Dosage	5 – 50 g/m ²
Application	spray- and projection nozzles
Drive unit	Vehicle hydraulics or diesel engine
Construction	truck (fix-mount or de-mountable system)

