



A company of the Aebi Schmidt Group

AS 990

Airport Sweeper



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Safety at the airport is top priority. The high-speed sweeper AS 990 cleans all service and traffic areas of the airport with outstanding sweeping efficiency, so that follow-up damage caused by foreign objects is prevented.

High performance

The AS 990 is a truck-mounted sweeper and can be mounted individually on all standard chassis with the corresponding specification. The 9.5 m³ hopper with its stainless steel floor, the high-quality sweeping unit as well as the corrosion-resistant suction tube enables not only the clearing of debris, leaves, dirt and other foreign bodies on airport surfaces but also of liquid substances such as de-icing material all in one go. This is made possible by the powerful suction fan with its air flow of approx. 32,000 m³/h.

With its maximum sweeping speed of 40 km/h, the AS 990 is able to clear an area of up to 140,000 m²/h, depending on the equipment. All functions are activated via the CAN-Bus control panel on the centre pedestal. Due to the graphical display of the functions, the operation is logical and simple. All active work steps are conveyed to the driver via symbols on the colour display. The control panel can be used both in our airport sweeper AS 990 and our jet sweepers TJS/CJS.

Versatile application

The AS 990 is suitable for professional use at both civil and military airports and is extremely versatile in everyday operations. It combines all important functions in one machine.

1. Rapid cleaning of large surfaces

The high-quality sweeping unit with the flow-optimised suction port and the rotary brush has a sweeping and suction width of 2,300 mm. A debris flap is optionally available to pick up larger objects, such as beverage cans or bottles. Water and other liquids can be collected by means of the suction vehicle. In order to enable the collection of liquids without using the rotary brush, the suction nozzle can optionally be equipped with a liquid flap. This reduces wear and increases the lifetime of the brush. The two circular brushes have a sweeping width of up to 3,500 mm. Furthermore, the AS 990 can be equipped with blast nozzles. The blast nozzles conduct a strong air stream onto the traffic area, so that large surfaces are cleaned and dried in one single operation.

2. Collection of liquids, such as e.g. surface water or de-icing agents

The specifically developed liquid suction nozzle can be operated between the axles, at the rear end or as a quick-change system at the rear end of the AS 990. The quick-change system allows for replacing the suction vehicle by the liquid suction nozzle in just a few minutes. The liquid suction nozzle is flexibly designed in the middle and is thus able to collect liquids from slightly inclined de-icing surfaces down to the pores. 96-99% of the de-icing agent glycol can be collected by means of this special nozzle. Other liquids, e.g. surface water, can even be collected up to 100%.

3. Collection of magnetic metals

The PMB 2400 permanent magnet bar, which is mounted on the front plate of the AS 990, is capable of picking up magnetic metal objects.

4. Summer and winter operation

Apart from the application in summer, the front end of the sweeper can also be equipped with a snow plough or a hydraulically operated front-mounted sweeper. The combination between the front-mounted sweeper and the blast nozzles converts the AS 990 into a jet sweeper. In addition, the AS 990 can be used as a towing vehicle for a jet sweeper.

5. Stand cleaning

If needed, the AS 990 standard machine can also be equipped as stand cleaning machine, which is then called ASC 990. The ASC 990 cleans airport stands by applying a mixture of detergent and water. The soiled surface is wetted with the mixture via the front-mounted water spraying unit and the surface is subsequently processed and roughed up by the circular brushes. The detached material is then collected in the container via the rear-mounted sweeping unit. The stand cleaning option is especially suitable for the collection of rubber marks and oil.

Sweeping speed	up to 40 km/h
Transit speed	up to 80 km/h
Suction width (liquid suction nozzle)	2,300 mm (2,500 mm)
Circular brush sweeping width	3,500 mm
Hopper capacity	9.5 m ³
Water tank AS 990	2,000 l (optional: 4,100 l)
Water tank ASC 990	3,000 l
Detergent tank ASC 990	700 l
Engine - Euromot IIIA OM	906 LA (205 kW)
Engine - Euromot IIIB OM	926 LA (210 kW)

