

Arctic APV

Snow plough

The structure of the Schmidt Arctic APV airport snowplough takes into account the special requirements of runways and ensures optimum performance in demanding conditions. Excellent snow, slush and water removal reduces the need for anti-skid chemicals and runway drying.

Highlights

- A **light and strong snow plough frame** up to 8.4 m working width. Painting system is suitable for airport chemicals and maintenance-free.
- **Patented, durable PU wing**. Has good chemical and corrosion resistance as well as excellent durability and wear resistance. The wing is maintenance-free and lasts the entire life cycle of the product.
- **Patented** strong and compact **front hitch device**.

Your benefits

- **Long service life:** The high-strength steel frame construction, the PU blade and all bearings and axles are designed for high loads and a long service life.
- **Environmentally friendly:** Excellent snow clearing results enable a reduced amount of de-icing material on the surface.
- **Fuel efficiency:** The removed snow rolls smoothly inside the PU wing and ensures fuel efficiency.

Performance features

PU wing

The Schmidt Arctic APV snow plough wing is made of durable PU with good chemical and corrosion resistance and excellent abrasion and wear characteristics. It can be used with different types and volumes of snow. The single full-length PU plough wing is patented. Together with the high-strength steel frame and the reinforced ribs inside the frame, the plough wing is resistant to extreme longitudinal and lateral forces, creating a major safety factor and long product lifecycle. Its flexible structure and sharp edge ensure a perfect cleaning result. Thanks to the suspension, the plough follows the road surface, which ensures a perfect cleaning result and minimises the use of de-icing agents. The wing's support elements open due to the snow load and change the shape of the wing into a diagonal to increase the ploughing capacity.



Lifting & swivelling device

A compact and strong design with short overhang ensures a low front axle load. The ploughs turning device allows vertical alignment to the runway surface. A rubber damper minimizes the impact of swivelling and ploughing forces. The locking pin, which can be easily operated by hydraulically from the cab, secures the position of the plough. The indicator for the locking pin (open/locked) shows the status and can be seen from the cab.

Snow visor

The snow visor continues the wing cylinder shape. It helps to roll snow inside the wing and eject it fast using aerodynamic forces. This prevents snow obscuring the driver's windscreen and mirrors, making ploughing safe and comfortable. A stainless steel snow handling plate with integrated warning marks improves snow rotation in the wing still further to keep it clear.

Mounting plates

The APV has a variety of different attachments for different markets so that it can operate effectively with a wide variety of trucks.

- Quick connection (Volvo BM)
- Ko-3446 standard (FI, RU)
- PSB attachment
- DIN EN 15432 standard (SE, VV-95)
- Vegvesen (NO) on request



Working support devices

The castor wheels ensure precise adjustment of the snow plough and provide appropriate aggressiveness during snow clearing. They support the frame when driving over obstacles and extend the service life of the cutting edge. The storage legs with FOD safety design for everyday use can be fitted and removed quickly and easily.

Related products

TJS / TJS-C

Jet sweeper



CJS

Jet sweeper



Tarron MS Airport

Snow plough



Technical data

	APV 5600	APV 7000	APV 8400
Dimensions			
Plough height	1,262 mm	1,262 mm	1,262 mm
Length at cutting edge	5,600 mm	7,000 mm	8,400 mm
Total width	6,150 mm	7,400 mm	8,800 mm
Operational Dimensions			
Clearing width	4,470 mm at 37° 5,170 mm at 37°	5,590 mm at 37° 6,252 mm at 37°	8,400 mm at 37° 7,367 mm at 37°
Turning angle left	37°	37°	37°
Turning angle right	37°	37°	37°
Weights			
Approx weight	1,345 kg	1,445 kg	1,570 kg

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