

PSM JUNIOR

Powder Suction Machine



Universal application area

Suitable for continuous operation

Easy to transport

Ergonomically favourable working height

The JUNIOR powder suction machine can be easily transported or installed in a service vehicle. It is therefore optimally suited to mobile use. The underslung drive unit covered with a sheet steel housing produces an ergonomically favourable working height.

The machine is suitable for servicing and refilling fire extinguishers from 2 to 12 kg (with appropriate accessories also wheeled 50 kg fire extinguishers) with all types of dry fire extinguishing powders.

To clean filters and fill fire extinguishers faster the reversing process is effected electrically. It automatically controls the non-return valve in the suction line.

The continuously variable height adjustment and the powder hopper with exchangeable adapters at the new filling flap valve with enlarged opening ensure that all the fire extinguisher models on the market can be handled.

A PVC suction pipe with 25 \varnothing x 780 mm is also supplied with the product.

The machine has a storage tank with a capacity of 12 kg fire extinguishing powder, so that when servicing individual fire extinguishers up to 12 kg no additional powder tank is required.



Fig. 1: The PSM JUNIOR is a universal machine that has proved itself for more than 20 years. It is extremely robust and small in its dimensions, but nevertheless equipped with a high-powered industrial motor.

Fig. 2: With a 50 kg additional storage tank wheeled fire extinguishers can also be serviced with the PSM JUNIOR. The picture shows a 50 kg wheeled fire extinguisher being emptied.



For stored pressure extinguishers it is not necessary to reduce pressure before emptying.

Technical data for the PSM JUNIOR

(EN ISO 12100-1, EN ISO 12100-2, EN 60204)

Art. No. 186001



Protection Class: IP54

Capacity of the storage tank: 12 kg
Set of filter cartridges:
high-grade steel sieve and 10 filter elements
For filling opening of fire extinguishers: 28 - 90 mm
Reversing process:
electrical with automatic non-return valve

Electric motor:
230 V, 50 Hz, 1.1 kW, 2840 min⁻¹
Suction capacity: 1800 l/min

5 m power cord, oil and acid resistant
H07RN-F 3 G 1.5 mm²

Transport wheels: 160 mm \varnothing , with roller bearings

Suction hose: 32 \varnothing x 1400 mm
Suction pipe: PVC 25 \varnothing x 780 mm

Weight: 53 kg

Dimensions:
1175 mm transport height
1745 mm maximum working height
515 mm width
500 mm depth

Colour:
Silver grey, hammer finish

PSM JUNIOR N Powder Suction Machine



For work in service vehicles

Easy to transport

Also suitable for continuous operation

Universal field of application

The JUNIOR N powder suction machine (low construction) is a modified version of the PSM JUNIOR, as described overleaf.

With the JUNIOR N special effort has been made to reduce the construction height as much as possible.



Fig. 3: With both the JUNIOR and the JUNIOR N two fire extinguishers of the same type can be handled simultaneously. While one is being emptied, the other can be filled with the purified powder from the storage tank.



Fig. 5: With a 50 additional storage tank portable fire extinguishers can also be serviced with the PSM JUNIOR. The picture shows a 50 kg fire extinguisher being filled with the attached SK 50 Set.

Optional (extra charge):
for JUNIOR and JUNIOR N



Timer control for automatic filling and filter cleaning
Art. No. 186038



Fig. 4: The PSM Junior N has a rear-mounted motor. This produces a very small construction height, which means it is well suited to particularly low working areas, such as in service vehicles, for example.

Accessories (extra charge):
for JUNIOR and JUNIOR N

SK 50 Set for 50 kg wheeled fire extinguishers
Art. No. 186008

Additional storage tank for 50 kg fire extinguishing powder
Art. No. 186009

Fixture for standing transport
Art. No. 186004(Junior)
Art. No. 186003 (Junior N low construction)

High-grade steel suction pipes from 8" to 32" mm outside diameter
Art. No. 186005
(per suction pipe)

Adaptor for non-freely accessible tank openings
Art. No. 186007

Various scales for checking filling quantity
(on request)

FES Fire Extinguisher Emptying System
(on request)

Technical data for the PSM JUNIOR N
(EN ISO 12100-1, EN ISO 12100-2, EN 60204)

Art. No. 186002



Protection Class:
IP54

Electric motor:
230 V, 50 Hz, 1.1 kW, 2870 min⁻¹
Suction capacity: 1800 l/min

5 m cable feed line, oil and acid resistant
H07RN-F 3 G 1.5 mm²

Transport wheels: 200 mm^Ø, with roller bearings and with level compensation

Suction hose: 32" x 1400 mm
Suction pipe: PVC 25" x 780 mm

Weight: 55 kg

Dimensions:
1000 mm transport height
1305 mm max. working height
440 mm width
690 mm depth

Colour:
Silver grey, hammer finish

Capacity of the storage tank: 12 kg
Set of filter cartridges: high-grade steel sieve and 10 filter elements
For filling opening of fire extinguishers: 28 - 90 mm
Reversing process: electrical with automatic non-return valve