

SPLENDID VAC 200 – filtration of dry welding dusts

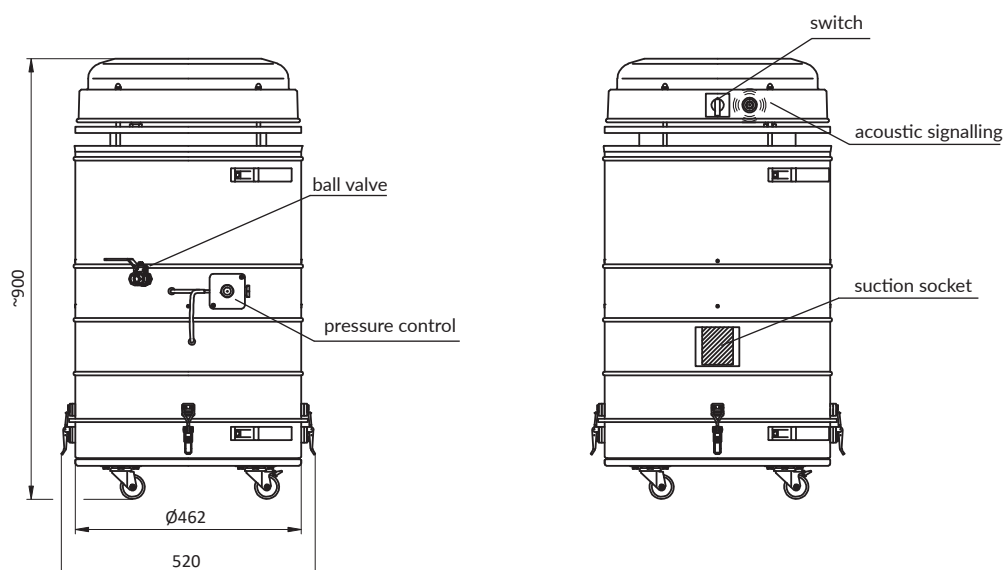


Purpose

SPLENDID VAC 200 belongs to the high-vacuum filtering unit group. It is designed for capturing and filtration the dry welding

dust, arising at the mobile workplaces. It should not be applied for extraction the viscous dust, that is forming during the welding of the oil-laden steel sheets.

SPLENDID VAC 200



Structure

SPLENDID VAC 200 consists of:

- cylindrical shape steel housing,
- suction turbine,
- high-efficiency cartridge filter – polyester fabric – filtration efficiency 99,9%,
- rotary jet – for cartridge filter regeneration,
- suction socket – equipped with a loose Ø44 mm fitting piece to connect the extraction hose,
- cut-off valve for the compressed air – manual or electromagnetic, (depending on the version),
- control unit (version with manual or automatic control),
- pressure control – activating the acoustic signalling upon excessive filter flow resistances,
- waste container along with the castor wheels assembly, enabling the device displacement.

SPLENDID VAC 200 is a perfect solution for fume extraction, from welding torches with an integrated extraction system. Additionally, it can be connected to the welding faceshields with extraction or to other miniature local exhausts – e.g. to the slot- or point nozzles.

Options

There are two control options applied for SPLENDID VAC 200:

- Standard version – the fan is switched on manually, whereby it is important to open the compressed air valve for several seconds (supplying the rotary jets) before the turbines are operated.
- Automatic version – after the turbine is switched on, first the electromagnetic valve of the compressed air opens automatically, then – after several seconds – the turbine is automatically operated.

SPLENDID VAC 200

Operational use

Connect the SPLENDID VAC 200 to the external compressed air installation of minimum 0,6 MPa. The device is energised through a five-metre-long supply cable with a plug. During the filter regeneration process, the dust which has been struck from the filters, accumulates in the waste container (periodical emptying re-

quired). The cartridge filter ought to be replaced every 1–2 years. SPLENDID VAC 200 – can work with one local exhaust. At the moment when the filter reaches the extreme pollution rate, pressure control automatically switches on the acoustic signalling. After the turbine is switched off, it is necessary to regenerate the filter and in several seconds the appliance is ready for operation.

Technical data


Type of the device	Part no.	Filter regeneration	Volume flow [m³/h]	Motor rate [kW]	Supply voltage [V]	Acoustic pressure level [dB(A)]	Capacity of the waste container [dm³]	Weight [kg]
SPLENDID VAC 200-S	801005	manual	225	1,6	230	72	15	30,5
SPLENDID VAC 200-A	801006	automatic	225	1,6	230	72	15	31

1. Maximum vacuum for all sizes is 30 000 Pa.

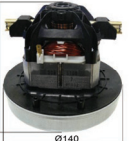
2. Filtration efficiency amounts 99,9%.

Replaceable elements

Cartridge filter

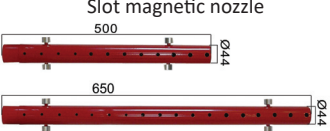
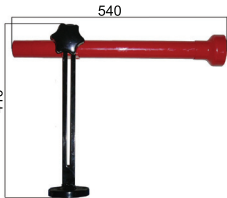
	Type	Part no.	Weight [kg]	Filtration efficiency [%]	Remarks
	PN032032U	800F01	4,2	99,9	Replacement frequency – 1 up to 2 years.

Suction turbine


	Type	Part no.	Weight [kg]	Remarks
	AS 309,5	810T07	1,4	Replacement frequency – after approx. 1000 hours of use.

Additional equipment


Magnetically fixed nozzles

Sort of the nozzle	Type	Part no.	Weight [kg]	Remarks
	SMS-44-500	819S68	0,8	The nozzle is applied for welding fume extraction – longitudinal welding.
	SMS-44-650	819S69	1,2	
	SMP-44-400	819S67	1,80	The nozzle is applied for welding fume extraction – point welding.

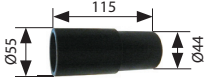
Dust collecting nozzle

	Type	Part no.	Weight [kg]
	SC-50	856S05	1

Pipe

	Type	Part no.	Weight [kg]
	S-50	801Z02	1,2

Connection fitting piece

	Type	Part no.	Weight [kg]
	Z50/44	832Z00	0,11

Hose

	Type	Part no.	Weight [kg/m]	Remarks
	PCV FLEX-44	821P29	0,36	Flexible extraction hose. Standard purchase length 15 m. For technical data see section VENTILATION ACCESSORIES.