

DRAGON VAC 200 – filtration of viscous welding dusts

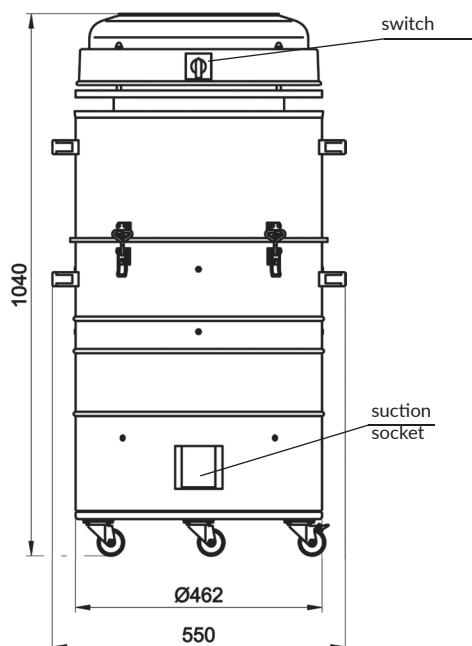


Purpose

DRAGON VAC 200 belongs to the high-vacuum filtering unit group. It is designed for extraction and filtration of viscous welding dusts, that arise during the welding of oil-laden steel sheets or while using anti-spatter-sprays in high amounts. It is a perfect solution for fume extraction from the welding torches

with an integrated extraction system. Additionally, the appliance can be connected to the welding faceshields with extraction or to other miniature local exhausts. The basic equipment of this device type is a suction turbine of high vacuum and a compact filter manufactured on the basis of a waterproof cardboard of glass-fibre.

DRAGON VAC 200



Structure

DRAGON VAC 200 consists of:

- cylindrical shape steel housing,
- one suction turbine,
- compact filter – type FC, class F9,
- suction socket – equipped with a loose Ø44 mm fitting piece, to connect an extraction hose,
- motor switch.

Operational use

During the welding, the suction hood should be positioned in such distance from the welding arch, that provides sufficient extraction of the contamination. The appliance is not equipped with a waste container, as the impurities accumulate within the filtration material of the compact filter. At the moment when the compact filter reaches the pollution degree that disables an efficient pollution extraction, replace the worn out filter for a new. The compact filters cannot be regenerated. Replacement frequency is depended on the welding conditions and can vary from several weeks to several months.

DRAGON VAC 200 – can work with one local exhaust.

DRAGON VAC 200

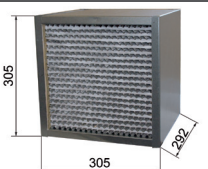
Technical data

Type of the device	Part no.	Volume flow [m ³ /h]	Motor rate [kW]	Supply voltage [V]	Acoustic pressure level [dB(A)]	Weight [kg]
DRAGON VAC 200	801O10	225	1,6	230	70	30,5

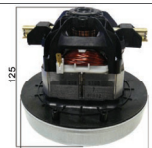
1. Maximum vacuum for all sizes is 30 000 Pa.
2. Filtration efficiency amounts 95,6%.

Replaceable elements

Compact filter

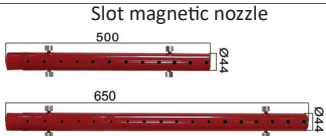

	Type	Part no.	Weight [kg]	Class	Filtration efficiency [%]	Remarks
	FC 292/K/9	852F85	7,1	F9	95,6	When the filter is worn out, replace it for a new one. It cannot be submit to regeneration.

Suction turbine

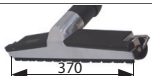
	Type	Part no.	Weight [kg]	Remarks
	AS 309,5	810T07	1,4	Replacement frequency – after approx. 1000 hours of use.

Additional equipment

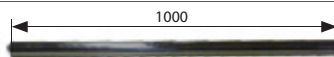
Magnetically fixed nozzles

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.

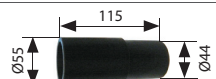
Dust collecting nozzle

	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.