

KOS-AL, OBP/P-AL

RAIL EXTRACTION SYSTEMS



APPLICATION

- exhaust fumes control, by means of a balancing mobile extractor OBP/P-AL or mobile extractor OP-AL, displacing along the self-tightening suction duct KOS-AL


FEATURES

- aluminium segments – lengths 2 m and 4 m
- extractor trolley with a balancer and a hose with nozzle clamped at the vehicle exhaust pipe
- trolley is equipped with an automatic cut-off damper
- the extractor is equipped with a balancer and a ratchet gear
- possibility of automatic disengagement of the nozzle

ADVANTAGES

- the system provides possibility of adjustment the extractor position towards the exhaust pipe of the served vehicle
- one extractor can serve several extraction stands
- automatic nozzle release from the exhaust pipe, while the vehicle moves along

MOBILE BALANCING EXTRACTOR

	Type ¹	Part No.	Hose diameter [mm]	Hose length [m]	Recommended volume flow [m³/h]	Flow resistances [Pa]	Thermal resistance [°C]	Application ⁴	Weight [kg]
	OBP/P-AL-100-6	805O31	100	6	400	900	150 ²	SO	35,8
	OBP/P-AL-100-6/CF	805O06	100	6	400	900	300/150 ³	SO	35,8
	OBP/P-AL-125-6	805O32	125	6	700	1000	150 ²	SD	36,7
	OBP/P-AL-125-6/CF	805O07	125	6	700	1000	300/150 ³	SD	36,7
	OBP/P-AL-150-6	805O33	150	6	1500	1700	150 ²	SC	37,6
	OBP/P-AL-150-6/CF	805O08	150	6	1500	1700	300/150 ³	SC	37,6

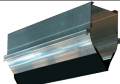
1. For selection of the extractor size contact KLIMAWENT S.A.

2. Hose of thermal resistance: 150°C (for short time 200°C).

3. Hose section of length 2 metres (near the nozzle) is of thermal resistance +300°C (for short time +350°C); the further hose section — thermal resistance: +150°C (for short time +200°C).


4. SO – cars; SD – medium size vehicles; SC – trucks.

SELF-TIGHTENING SUCTION DUCT

	Type	Part No.	Segment length [m]	Section [cm²]	Segment weight [kg]
	KOS-AL-2	804K43	2	290	19,4
	KOS-AL-4	804K44	4	290	38,8

Maximum temperature of the conveyed medium 200°C.

MOBILE EXTRACTORS – without balancers – the hose should be released manually, no limits for hose lengths

	Type ¹	Part No.	Hose diameter [mm]	Hose length [m]	Recommended volume flow [m³/h]	Flow resistances [Pa]	Thermal resistance [°C]	Application ⁴	Weight [kg]
	OP-AL-100-6	804O35	100	6	400	700	150 ²	SO	11,8
	OP-AL-100-6/CF	804O84	100	6	400	700	300/150 ³	SO	11,8
	OP-AL-125-6	804O36	125	6	700	800	150 ²	SD	12,7
	OP-AL-125-6/CF	804O85	125	6	700	800	300/150 ³	SD	12,7
	OP-AL-150-6	804O37	150	6	1500	1500	150 ²	SC	13,6
	OP-AL-150-6/CF	804O86	150	6	1500	1500	300/150 ³	SC	13,6


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CONNECTION FITTING PIECES*


Sort of the connection		Type	Part No.	Diameter [mm]
	for axial connection	KPC	804K20	160
	universal connection	KTSU-200	804K79	200

* For connection between the suction duct and the discharge ducting.

DUCT HANGER

Sort of the hanger		Type	Part No.	Remarks
	ceiling hanger	Z	804K29	Hangers are fastened to the duct by bolting. Distances between the hangers should not exceed 3 metres.
	wall hanger	L	804K27	

DUCT CLOSING PLATE*


	Type	Part No.
	PZC	804K22

* To be installed at the front end of the first segment and at the terminal end of the last segment.

SEGMENT CONNECTOR

	Type	Part No.
	KSG	804K21

DUCT SEGMENT JOINT

	Type	Part No.	Remarks
	STK	804K30	To slow down the movements of the extractor trolley at the end position on the duct.

FANS

Fans should be selected with reference to separate catalogue cards, depending on the volume flow and flow resistances.

NOZZLES

Nozzles and suction stands, cooperating with the extractors – see separate catalogue card as they are additional equipment.