

KOS-L, OBP/P

RAIL EXTRACTION SYSTEMS



APPLICATION

- exhaust fumes discharge, by means of a balancing mobile extractor OBP/P, displacing along the self-tightening suction duct KOS-L


FEATURES

- steel segments – lengths 1,25 m and 2,5 m
- extractor trolley with an exhaust hose
- trolley is equipped the an automatic cut-off damper
- the extractor is equipped with a balancer and a ratchet gear
- nozzle
- possibility of automatic disconnection of the nozzle

ADVANTAGES

- the system provides possibility of adjustment the extractor position towards the exhaust pipe of the served vehicle
- due to significant cross-section of the duct, the system is especially efficient in application for trucks

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-100-6	805O34	100	6	400	900	150 ²	SO	26,7
	OBP/P-100-6/CF	805O58	100	6	400	900	300/150 ³	SO	26,7
	OBP/P-125-6	805O35	125	6	700	1000	150 ²	SD	28,7
	OBP/P-125-6/CF	805O59	125	6	700	1000	300/150 ³	SD	28,7
	OBP/P-150-6	805O36	150	6	1500	1700	150 ²	SC	29,8
	OBP/P-150-6/CF	805O60	150	6	1500	1700	300/150 ³	SC	29,8
	OBP/P-125-9	805O37	125	9	700	1300	150 ²	SD	35,7
	OBP/P-125-9/CF	805O61	125	9	700	1300	300/150 ³	SD	35,7
	OBP/P-150-9	805O38	150	9	1500	1900	150 ²	SC	38,3
	OBP/P-150-9/CF	805O62	150	9	1500	1900	300/150 ³	SC	38,3


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]	Cross-section dimensions [mm]	Cross-sectional area [cm²]	Unit weight [kg/m]	Segment weight [kg]
	KOS-L	804K45	1,25	160x240	384	14,2	17,75
		804K46	2,5	160x240	384	14,2	35,5

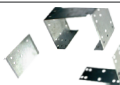

Maximum temperature of the conveyed medium 200°C.

CONNECTION FITTING PIECES*

Sort of the connection		Type	Part No.	Diameter [mm]
	for axial connection	KO	804K70	200
	universal connection	KTSU-200	804K79	200

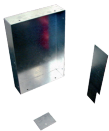
* For connection between the suction duct and the discharge ducting.

DUCT ENDING SET*


Sort of the ending	Type	Part No.	Remarks
	ZKL	804K76	left ending set
	ZKP	804K77	right ending set

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

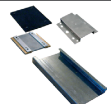
DUCT END CLOSING

	Type	Part No.	Remarks
	ZK	804K87	to install at the duct terminal, in case when the axial connection is not applied

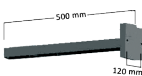
DUCT SEGMENT JOINT

	Type	Part No.	Remarks
	ZSK	804K75	a set of elements used to integrate the two subsequent segments of the duct


DUCT HANGER SET

	Type	Part No.	Remarks
	ZWK	804K82	to install the duct under the wall hanger set

WALL HANGER SET

	Type	Part No.	Remarks
	WPK-2	804K86	used for installing the duct system to the wall or to a column

RUBER STOPPER

	Type	Part No.	Remarks
	ZG	804K31	installed at the terminal positions of 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.