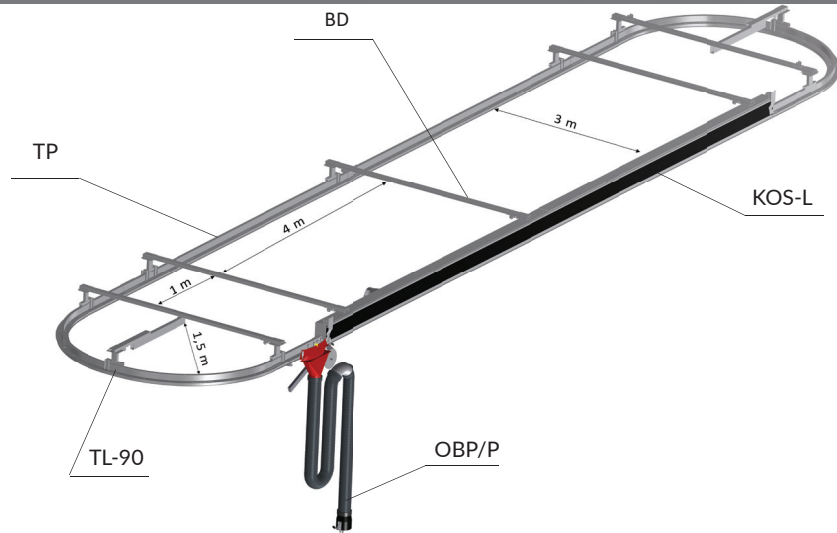


KOS-L-N – rail extraction systems with return rail



Purpose

The return rail extraction system KOS-L-N is designed for exhaust fume capturing by means of a mobile balancing extractor OBP/P, displacing along the KOS-L suction duct. After the nozzle is manually or automatically disconnected (depending on the selected nozzle type), the released extractor slows down its movement on the rail arc. Subsequently, the extractor should be guided manu-

ally from the rail arc to the home position (through the return rail) and it is ready to be connected to the next vehicle.

Structure

The system consists of a standard self-tightening suction duct KOS-L and a return rail in a form of four arcs TL-90 and straight rails TP and spacing beams BD. The system can be suspended from hangers or installed on supporting columns.

Return suction duct

Type	Part no.	Segment dimensions [m]	Segment weight [kg]	Remarks	
Return rail	TP	804K51	length 2,5	30	Quantity of the segments is corresponding the length of KOS-L.
Arc of the return rail 90°	TL-90	804K53	radius 1,5	37	The set consists of 4 arcs.
Spacing profile	BD	804K54	length 3	21	Spacing between the profiles is approx. 4 m.

Self-tightening suction duct

Type	Part no.	Segment length [m]	Transverse dimensions [mm]	Cross-section [cm ²]	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

Mobile balancing extractor

Type ¹	Part no.	Hose diameter [mm]	Hose length [m]	Recommended volume flow [m ³ /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					300/150 ³		
OBP/P-125-6	805O35	125	6	700	1000	150 ²	SD	28,7
OBP/P-125-6/CF	805O59					300/150 ³		
OBP/P-150-6	805O36	150	6	1500	1700	150 ²	SC	29,8
OBP/P-150-6/CF	805O60					300/150 ³		
OBP/P-125-9	805O37	125	9	700	1300	150 ²	SD	35,7
OBP/P-125-9/CF	805O61					300/150 ³		
OBP/P-150-9	805O38	150	9	1500	1900	150 ²	SC	38,3
OBP/P-150-9/CF	805O62					300/150 ³		

1. Before selection of appropriate extractor, contact KLIMAWENT S.A.

2. Flexible hose of thermal resistance 150°C (short duration 200°C).

3. First hose section of length 2 m of thermal resistance 300°C (short duration 350°C), further hose section of thermal resistance 150°C (short duration 200°C).

4. SO – car, SD – medium-size vehicle, SC – truck.

NOTE: Connection fitting piece, segment connectors and hangers – see catalogue card KOS-L.

Fans

Fans should be selected from separate catalogue cards, according to the flow efficiency and flow resistances.

Nozzles

Nozzles and suction stands – for application with the exhaust extractor – are described on separate catalogue card and they are additional equipment.