OSKAR SELF-SUPPORTING FUME EXTRACTION ARM – INDUSTRIAL STANDARD IN AIR POLLUTION CAPTURE

Oskar self-supporting fume extraction arms are the most versatile, durable and economical method of at-source air pollution capture. Smooth steel tubes, flexible hoses and external joints make Oskar arms easy to work with and keep them in position for required time. Oskar fume arms are available in diameters of 75, 100, 125, 160 and 200 mm. Oskar fume arm unique design has become an industrial standard in air pollution control business.

FEATURES:

- industrial strength and durability
- versatile design
- smooth tube construction
- external supports and self-locking joints
- all-around hood and tube grab handles
- air diverter in the hood
- standard damper

BENEFITS:

- exceptionally long operational life time
- user friendly construction
- better airflow at lower static pressure
- low noise performance
- easy to adjust and maintain
- simple and stable positioning
- increased capture velocity

external joints and supports

standard air flow damper

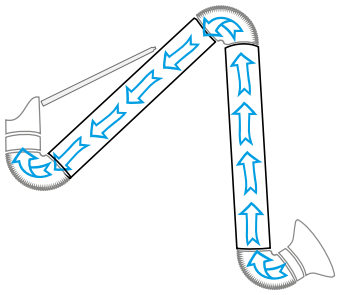
grab handle all around the hood

air velocity diverter

OSKAR EXTERNAL JOINTS CONCEPT VERSUS HOSE ARM INTERNAL SUPPORT MECHANISM

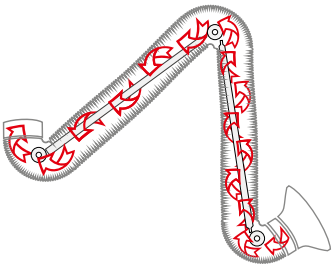
OSKAR SELF-SUPPORTING FUME ARM

- external joints system
- free and smooth airflow
- low noise level
- lower static pressure
- quick and simple cleaning
- minimal dust build up
- no contact with interior for adjustment
- no need to stop the airflow to adjust



INTERNAL SUPPORT HOSE ARM

- internal support mechanism
- reduced airflow due to higher internal resistance
- higher noise level
- complicated to to clean
- dust builds up on internal mechanisms
- replace whole hose if broken
- contact with dusts to adjust friction and arm balance



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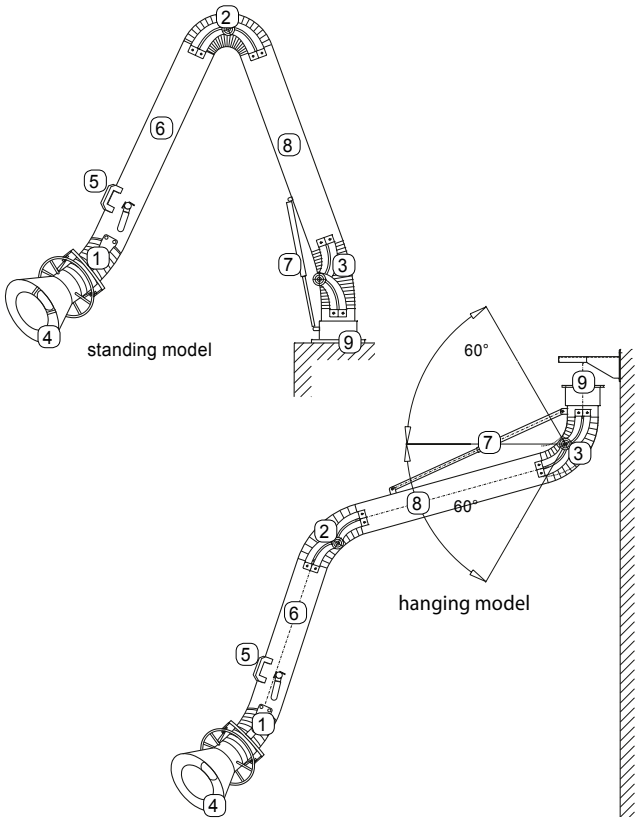
OSKAR SELF-SUPPORTING FUME EXTRACTION ARM CONSTRUCTION

1. Hood joint - positions forward, backward and sideways, flexible hose with gear clamps, external adjustments.
2. Middle joint - flexible hose with gear clamps, external adjustments. Models 75 and 100 steel joints. Models 125, 160, 200 cast aluminium joints.
3. Socket joint - flexible hose with gear clamps, external adjustments. Models 75 and 100 steel joints. Models 125, 160, 200 cast aluminium joints.
4. Aluminium hood (powder coated) with grab handle all around, light kit, fan switch, photosensor options.
5. Tube grab handle.
6. Hood tube - smooth steel tubing (powder coated or galvanized) with standard damper.
7. Full enclosed support spring in hanging and gas shock in standing models.
8. Socket tube - smooth steel tube (powder coated or galvanized).
9. Rotating socket - mounting socket with safety stop.



OSKAR ARMS DIAMETER AND REACH OVERVIEW

Arm diameter		Arm reach		Hood inlet (optional extension)		Hanging models	Standing models
[mm]	[in]	[m]	[feet]	[mm]	[in]		
75	3	1,0	3	160	6	0710	0710P
75	3	1,5	5	160	6	0715	0715P
100	4	1,5	5	200	8	1015	1015P
100	4	2,0	7	200	8	1020	1020P
100	4	2,5	8	200	8	1025	1025P
125	5	2,0	7	250	10	1220	1220P
125	5	2,5	8	250	10	1225	1225P
125	5	3,0	10	250	10	1230	1230P
160	6	2,0	7	315 (500)	12 (20)	1620	1620P
160	6	3,0	10	315 (500)	12 (20)	1630	1630P
160	6	4,0	14	315 (500)	12 (20)	1640	1640P
200	8	2,0	7	350 (500)	14 (20)	2020	2020P
200	8	3,0	10	350 (500)	14 (20)	2030	2030P
200	8	4,0	14	350 (500)	14 (20)	2040	2040P

Please refer to arm catalogue groups or individual cards of product for more information.

OSKAR ARMS RECOMMENDED AIRFLOW RANGE PER DIAMETER

Arm diameter		Recommended airflow range per arm diameter	
[mm]	[in]	[m³/h]	[cfm]
75	3	200 ÷ 350	120÷210
100	4	350 ÷ 550	210÷320
125	5	550 ÷ 900	320÷530
160	6	900 ÷ 1400	530÷825
200	8	1400 ÷ 2500	825÷1470

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