

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

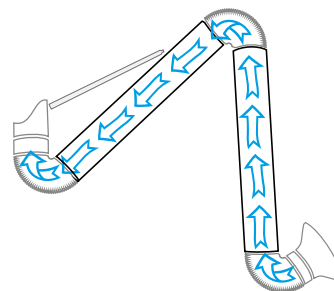


air velocity diverter

OSKAR EXTERNAL JOINTS CONCEPT VERSUS HOSE ARM INTERNAL SUPPORT MECHANISM

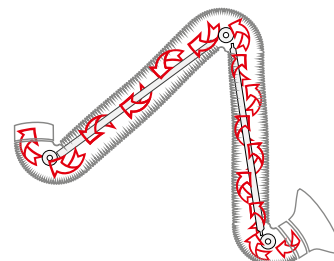
OSKAR SELF-SUPPORTING FUME ARM

- 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



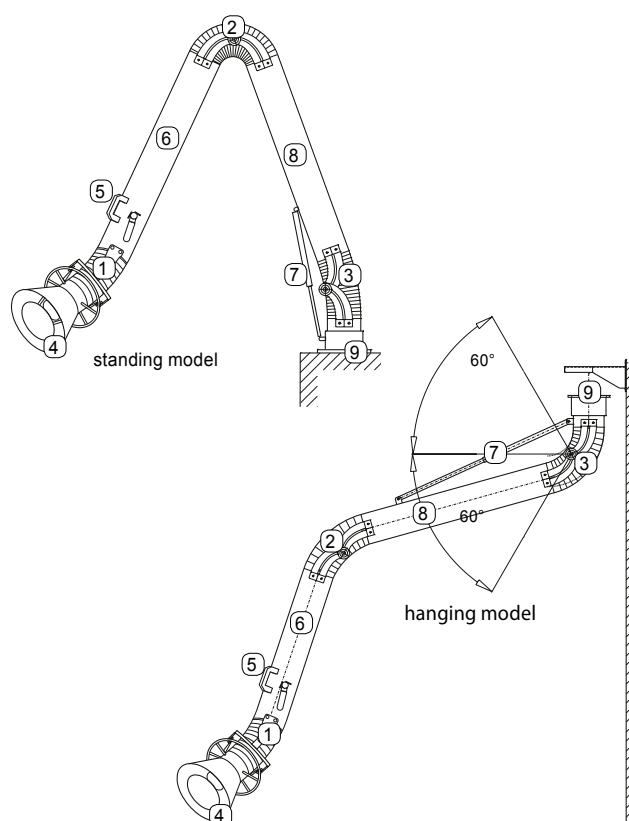
INTERNAL SUPPORT HOSE ARM

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



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

OSKAR 75 SELF-SUPPORTING FUME EXTRACTION ARMS

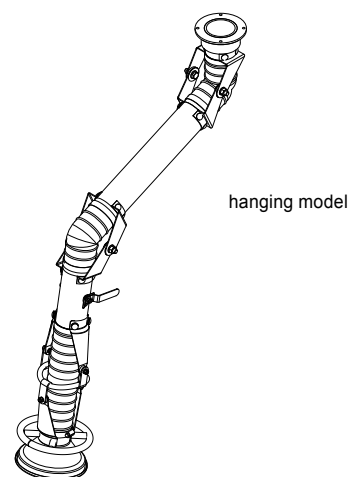
Oskar 75 self-supporting fume extraction arm is designed to service many types of dust and fume emissions. The principle of Oskar 75 construction are all adjustments and supports on the outside. Oskar 75 fume arm duct is free from any internal adjustment mechanisms (except for air flow damper). We are delivering easy positioning, simple maintenance and long operational life time of your local source capture system with Oskar 75 construction.

APPLICATION

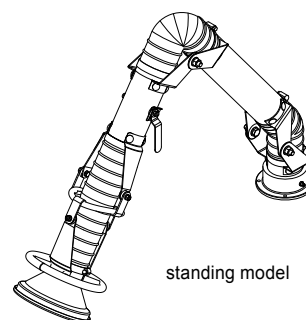
- soldering, laboratory fumes, light dust, painting
- temperature resistance up to 80°C
- recommended airflow 200+350 m³/h
- local air pollution capture excluding chemically aggressive air pollution

CONSTRUCTION

- all adjustments on the outside
- aluminium hood with air diverter (yellow)
- grab handle all around the hood
- aluminium hood joints (black)
- middle and swivel steel joints (black)
- aluminium and steel mounting swivel (yellow)
- smooth tubes (painted blue or grey)
- standard built-in air damper
- black PVC flexible hoses (temperature resistance up to 80°C)
- standard powder coating



hanging model



standing model

OSKAR FUME EXTRACTION ARMS 75 – HANGING MODELS

- | | |
|-------------|--|
| W02-01-0710 | Oskar fume arm 0710, reach 1 m, diameter 75 mm, hood inlet Ø160 mm |
| W02-01-0715 | Oskar fume arm 0715, reach 1,5 m, diameter 75 mm, hood inlet Ø160 mm |

OSKAR FUME EXTRACTION ARMS 75 – STANDING MODELS

- | | |
|--------------|---|
| W02-01-0710P | Oskar fume arm 710P, reach 1 m, diameter 75 mm, hood inlet Ø160 mm |
| W02-01-0715P | Oskar fume arm 0715P, reach 1,5 m, diameter 75 mm, hood inlet Ø160 mm |

OSKAR FUME EXTRACTION ARMS 75 – ACCESSORIES AND OPTIONS

- | | |
|-------------|--|
| P07-01-0001 | Mounting bracket WS-075 |
| P08-11-0001 | Connection flange 75 mm steel |
| P02-80-0002 | MOD-L hood light kit with switch and 8m of cable |
| P02-80-0010 | Grounding option - all metal parts hood, tubes, mounting swivel connected with grounding wires |

OSKAR FUME EXTRACTION ARMS 75 – SPARE PARTS

- | | |
|-------------|--|
| M03-21-1107 | Complete set of black PVC flexible hoses for arms 75 series (specify fume arm model) |
| P02-02-0123 | Complete hood diameter 75 mm / 160 mm |

OSKAR 100 SELF-SUPPORTING FUME EXTRACTION ARMS

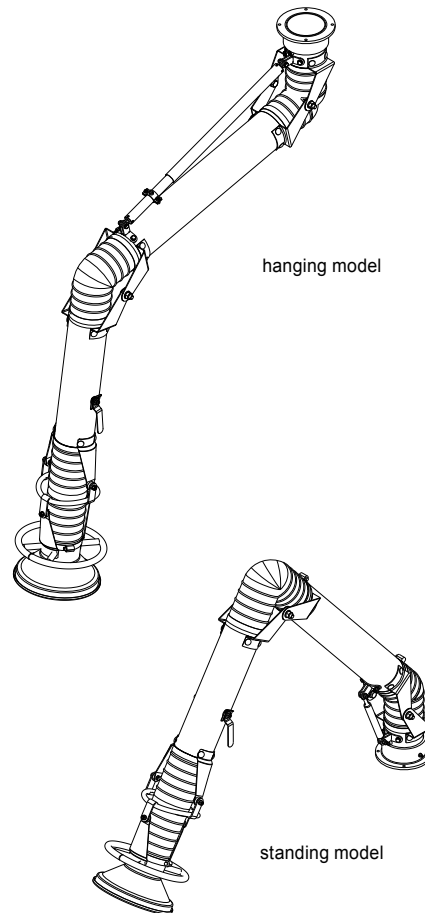
Oskar 100 self-supporting fume extraction arm is designed for source air pollution capture at many medium size applications such as painting, grinding, polishing, welding or mechanical processing. Oskar 100 is free from any internal mechanisms - there is nothing inside but the air flow damper. All Oskar 100 arm adjustments are accessible on the outside which allows any adjustments to be done without touching the polluted air stream or without stopping the air flow operation. Smooth tube and nothing in the duct means lowest pressure drop and noise level as well as easy maintenance and long operational life time.

APPLICATION

- laboratories, welding, oil mist, grinding
- standard temperature resistance up to 80°C
- recommended airflow range 350÷550 m³/h
- local air pollution capture excluding chemically aggressive air pollution

CONSTRUCTION

- all adjustments on the outside
- aluminium hood with air diverter (yellow)
- grab handle all around the hood
- aluminium hood joints (black)
- middle and swivel steel joints (black)
- aluminium and steel mounting swivel (yellow)
- smooth tubes (blue)
- standard built-in air damper
- black PVC flexible hoses (temperature resistance up to 80°C)
- fully encapsulated telescoping spring (hanging models)
- standard powder coating



OSKAR FUME EXTRACTION ARMS 100 – HANGING MODELS

W02-01-1015	Oskar fume arm 1015, reach 1,5 m, diameter 100 mm, hood inlet 200 mm
W02-01-1020	Oskar fume arm 1020, reach 2 m, diameter 100 mm, hood inlet 200 mm
W02-01-1025	Oskar fume arm 1025, reach 2,5 m, diameter 100 mm, hood inlet 200 mm

OSKAR FUME EXTRACTION ARMS 100 – STANDING MODELS

W02-01-1015P	Oskar fume arm 1015P, reach 1,5 m, diameter 100 mm, hood inlet 200 mm
W02-01-1020P	Oskar fume arm 1020P, reach 2 m, diameter 100 mm, hood inlet 200 mm
W02-01-1025P	Oskar fume arm 1025P, reach 2,5 m, diameter 100 mm, hood inlet 200 mm

OSKAR FUME EXTRACTION ARMS 100 – SPARE PARTS

M03-21-1101	Complete set of black PVC flexible hoses for arms 100 (specify fume arm model)
P02-02-0122	Complete hood 100 mm / 200 mm
M01-45-0006	Gas shock spring for all standing 100 arm models
P02-05-0014	Complete telescoping spring for all hanging 100 arm models

OSKAR FUME EXTRACTION ARMS 100 – ACCESSORIES AND OPTIONS

P07-01-0002	Mounting bracket WS-100
P08-11-0002	Connection flange 100 mm steel
P02-80-0001	MOD-A set including photosensor, hood light kit, light switch, 8 m of cable
P02-80-0002	MOD-L hood light kit with switch and 8 m of cable
P02-80-0003	MOD-L2 hood light kit with 2 switches (additional switch for fan or electric damper control), 8 m of cable
P02-80-0010	Grounding option - all metal parts hood, tubes, mounting swivel connected with grounding wires

OSKAR 125 SELF-SUPPORTING FUME EXTRACTION ARMS

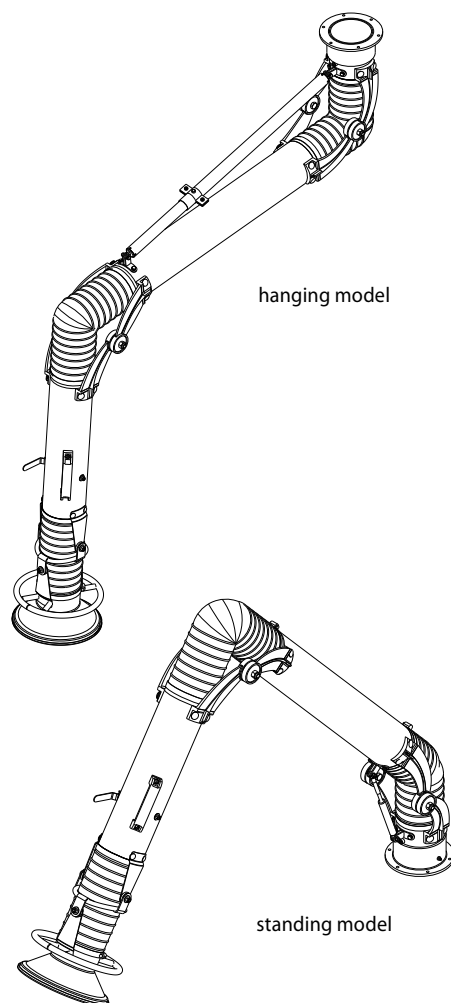
Oskar 125 self-supporting fume extraction arm is made for local air pollution control. Welding smoke, grinding and polishing dust, oil mist as well as many other air borne pollutants can be caught at source with Oskar fume extraction arm. Oskar 125 arm is a unique construction with aluminium outside joints, smooth tubes which allow lowest pressure drop and noise level, easy maintenance and remarkable long operational life time. There is nothing with-in Oskar extraction arm except for air flow damper. All adjustments are on the outside so there is no need to stop the exhaust system and there is no contact with polluted air stream nor duct interior when the arm regulation is needed.

APPLICATION

- welding, grinding, oil mist, cutting, polishing, painting, packaging,
- standard temperature resistance up to 80°C
- recommended airflow range 550÷900 m³/h
- local air pollution capture excluding chemically aggressive fumes and gases

CONSTRUCTION

- all adjustments on the outside
- aluminium hood with air diverter
- grab handle all around the hood (yellow)
- aluminium hood joints (black)
- cast aluminium middle and swivel joints (black)
- aluminium and steel mounting swivel (yellow)
- metal seam lock tubes (blue)
- standard built-in air damper
- black PVC flexible hoses (temperature resistance up to 80°C)
- standard powder coating



OSKAR FUME EXTRACTION ARMS 125 – HANGING MODELS

W02-01-1220	Oskar fume arm 1220, reach 2 m, diameter 125 mm, hood inlet 250 mm
W02-01-1230	Oskar fume arm 1230, reach 3 m, diameter 125 mm, hood inlet 250 mm

OSKAR FUME EXTRACTION ARMS 125 – STANDING MODELS

W02-01-1220P	Oskar fume arm 1220P, reach 2 m, diameter 125 mm, hood inlet 250 mm
W02-01-1230P	Oskar fume arm 1230P, reach 3 m, diameter 125 mm, hood inlet 250 mm

OSKAR FUME EXTRACTION ARMS 125 – ACCESSORIES AND OPTIONS

P07-01-0003	Mounting bracket WS-125
P08-11-0003	Connection flange 125 mm steel
P02-80-0001	MOD-A set including photosensor, hood light kit, light switch, 8 m of cable
P02-80-0002	MOD-L hood light kit with switch and 8 m of cable
P02-80-0003	MOD-L2 hood light kit with 2 switches (additional switch for fan or electric damper control), 8 m of cable
P02-80-0010	Grounding option - all metal parts hood, tubes, mounting swivel connected with grounding wires

OSKAR FUME EXTRACTION ARMS 125 – SPARE PARTS

M03-21-1102	Complete set of black PVC flexible hoses for arms 125 (specify fume arm model)
P02-02-0121	Complete hood 125 mm / 250 mm
P02-05-0012	Complete telescoping spring for model 1220
P02-05-0013	Complete telescoping spring for model 1230
M01-45-0006	Gas shock spring for standing arms models 1220P, 1230P

OSKAR 160 SELF-SUPPORTING FUME EXTRACTION ARMS

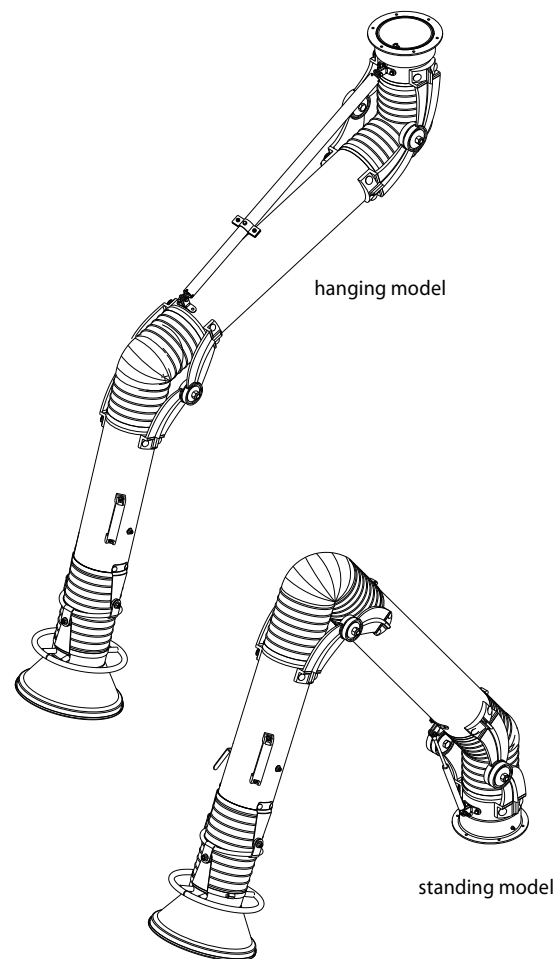
Oskar 160 self-supporting fume extraction arm is one of the most advanced and heavy duty devices used to source capture of welding smoke, grinding or polishing dust, oil mist as well as many other air borne pollutants which can be danger to human health or production environment. Oskar 160 extraction arm is a unique construction with aluminium die cast parts lowering total weight of the unit. Smooth tube construction and aluminium outside joints allow lowest pressure drop, low noise level, easy maintenance and remarkable long operational life time. There is nothing with-in Oskar extraction arm except for air flow damper. All adjustments are on the outside which means there is no need to stop the exhaust system and there is no contact with polluted air stream nor ducting interior when the arm regulation is needed.

APPLICATION

- welding, grinding, oil mist, cutting, polishing, painting, packaging
- standard temperature resistance up to 80°C
- recommended airflow range 900÷1400 m³/h
- local air pollution capture excluding chemically aggressive fumes and gases

CONSTRUCTION

- all adjustments on the outside
- aluminium hood with air diverter (yellow)
- grab handle all around the hood (yellow)
- aluminium hood joints (painted black)
- cast aluminium middle and swivel joints (black)
- aluminium and steel mounting swivel (yellow)
- smooth tubes (blue)
- standard built-in air damper
- black PVC flexible hoses (temperature resistance up to 80°C)
- standard powder coating



OSKAR FUME EXTRACTION ARMS 160 – HANGING MODELS

W02-01-1620	Oskar fume arm 1620, reach 2 m, diameter 160 mm, hood inlet 315 mm
W02-01-1630	Oskar fume arm 1630, reach 3 m, diameter 160 mm, hood inlet 315 mm
W02-01-1640	Oskar fume arm 1640, reach 4 m, diameter 160 mm, hood inlet 315 mm

OSKAR FUME EXTRACTION ARMS 160 – STANDING MODELS

W02-01-1620P	Oskar fume arm 1620P, reach 2 m, diameter 160 mm, hood inlet 315 mm
W02-01-1630P	Oskar fume arm 1630P, reach 3 m, diameter 160 mm, hood inlet 315 mm
W02-01-1640P	Oskar fume arm 1640P, reach 4 m, diameter 160 mm, hood inlet 315 mm

OSKAR FUME EXTRACTION ARMS 160 – ACCESSORIES AND OPTIONS

P07-01-0004	Mounting bracket WS-160
P07-01-0013	Mounting bracket WSD-160 (longer version)
P08-11-0004	Connection flange diameter 150 mm steel
P08-11-0005	Connection flange diameter 160 mm steel
P02-80-0001	MOD-A set including photosensor, hood light kit, light switch, 8 m of cable
P02-80-0002	MOD-L hood light kit with switch and 8 m of cable
P02-80-0003	MOD-L2 hood light kit with 2 switches (additional switch for fan or electric damper control), 8 m of cable
P02-80-0010	Grounding option - all metal parts hood, tubes, mounting swivel connected with grounding wires
P02-02-0127	Extended hood diameter 160 mm / 500 mm option (adds to the price of arm or standard hood)

OSKAR FUME EXTRACTION ARMS 160 – SPARE PARTS

M01-21-1103	Complete set of black PVC flexible hoses for arms 160 (specify fume arm model)
P02-02-0125	Complete hood 160 mm / 315 mm
P02-05-0010	Complete telescoping spring for model 1620, 1630
P02-05-0011	Complete telescoping spring for model 1640
M01-45-0012	Gas shock spring for 1620P, 1630P models
M01-45-0010	Gas shock spring for 1640P model

OSKAR 200 SELF-SUPPORTING FUME EXTRACTION ARMS

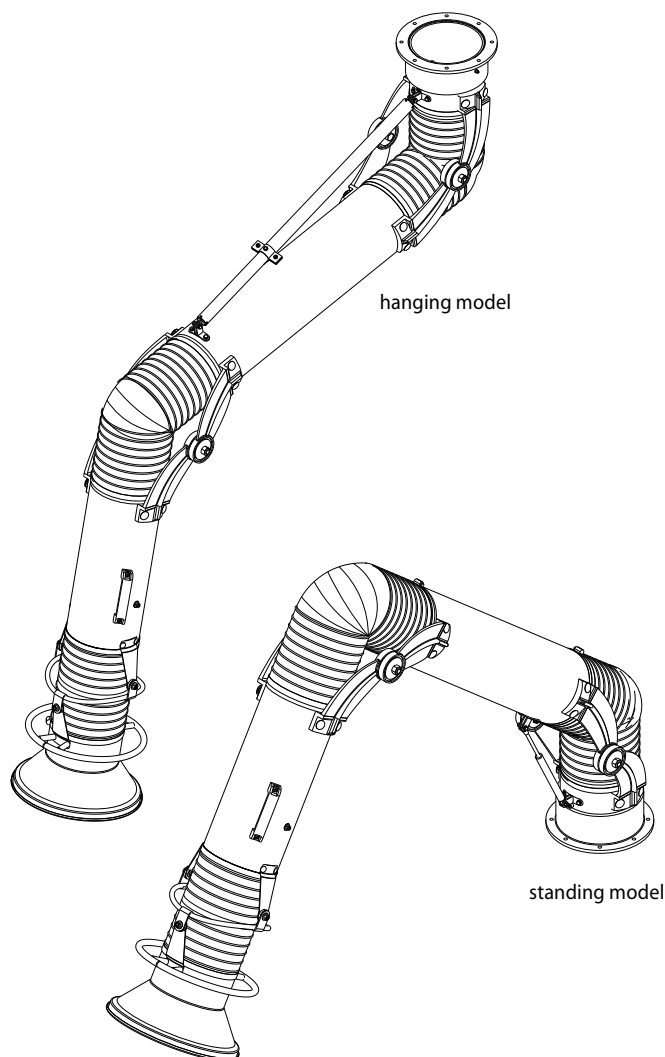
Oskar 200 self-supporting fume extraction arm has been designed for local air pollution control at most demanding and heavy duty industrial processes. Oskar 200 extraction arm is used for welding smoke, grinding or polishing dust, oil mist and many other air borne pollutants source capture and exhaust. Oskar 200 arm is a unique construction with aluminium die cast parts lowering total weight of the unit. Smooth tube construction, aluminium outside joints allow lowest pressure drop, lowest noise level, easy maintenance and remarkable long operational life time. There is nothing with-in Oskar extraction arm except for air flow damper. All adjustments are on the outside which means there is no need to stop the exhaust system and there is no contact with polluted air stream nor duct interior when the arm regulation is needed.

APPLICATION

- welding, grinding, oil mist, cutting, polishing, painting, packaging
- standard temperature resistance up to 80°C
- recommended airflow range 1400÷2500 m³/h
- local air pollution capture excluding chemically aggressive fumes and gases

CONSTRUCTION

- all adjustments on the outside
- aluminium hood with air diverter (yellow)
- grab handle all around the hood (yellow)
- aluminium hood joints (painted black)
- cast aluminium middle and swivel joints (black)
- aluminium and steel mounting swivel (yellow)
- smooth tubes (blue)
- standard built-in air damper
- black PVC flexible hoses (temperature resistance up to 80°C)
- standard powder coating



OSKAR FUME EXTRACTION ARMS 200 – HANGING MODELS

W02-01-2020	Oskar fume arm 2020, reach 2 m, hood inlet Ø350 mm
W02-01-2030	Oskar fume arm 2030, reach 3 m, hood inlet Ø350 mm
W02-01-2040	Oskar fume arm 2040, reach 4 m, hood inlet Ø350 mm

OSKAR FUME EXTRACTION ARMS 200 – STANDING MODELS

W02-01-2020P	Oskar fume arm 2020P, reach 2 m, hood inlet Ø350 mm
W02-01-2030P	Oskar fume arm 2030P, reach 3 m, hood inlet Ø350 mm
W02-01-2040P	Oskar fume arm 2040P, reach 4 m, hood inlet Ø350 mm

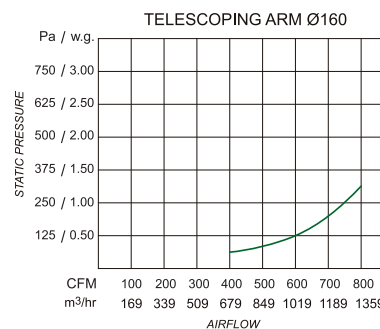
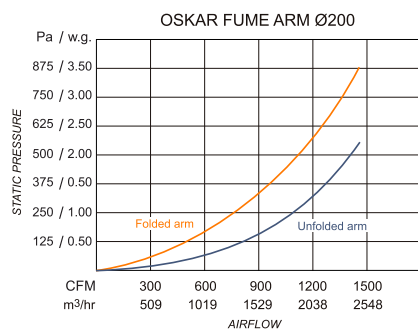
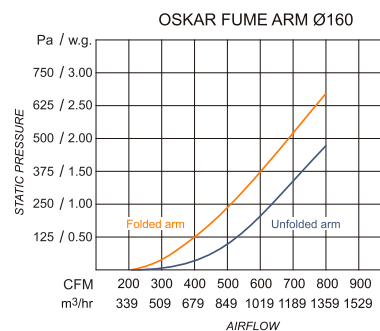
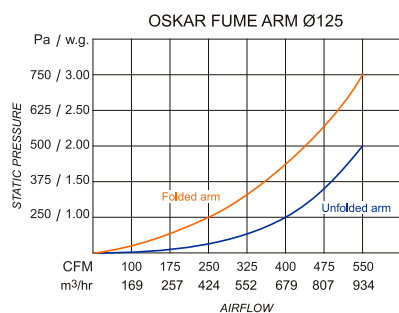
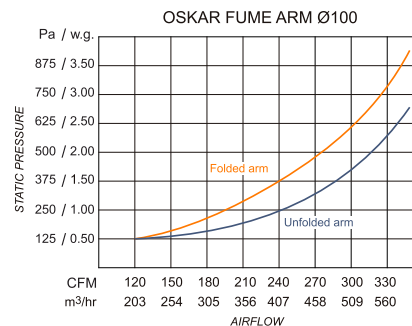
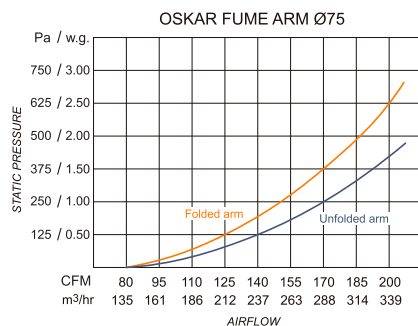
OSKAR FUME EXTRACTION ARMS 200 – ACCESSORIES AND OPTIONS

P07-01-0005	Mounting bracket WS-200
P08-11-0006	Connection flange diameter 200 mm steel
P02-80-0001	MOD-A set including photosensor, hood light kit, light switch, 8 m of cable
P02-80-0002	MOD-L hood light kit with switch and 8 m of cable
P02-80-0003	MOD-L2 hood light kit with 2 switches (additional switch for fan or electric damper control), 8m of cable
P02-80-0010	Grounding option - all metal parts hood, tubes, mounting swivel connected with grounding wires
OPT-02-0126	Extended hood option 200 mm / 500 mm (adds to the price of arm or standard hood)

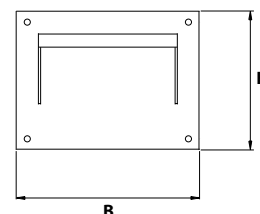
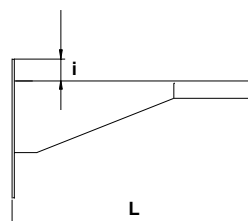
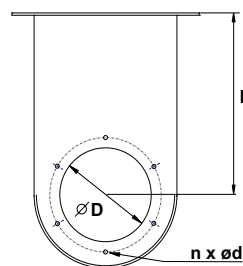
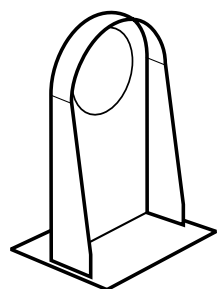
OSKAR FUME EXTRACTION ARMS 200 – SPARE PARTS

M03-21-10041	Complete set of black PVC flexible hoses for arms 160 (specify fume arm model)
P02-02-0126	Complete hood diameter 200 mm / 350 mm,
P02-05-0010	Complete telescoping spring for model 2020, 2030
P02-05-0011	Complete telescoping spring for model 2040
M01-45-0012	Gas shock spring for models 2020P
M01-45-0010	Gas shock spring model 2030P, 2040P (2 pcs required per 2040P arm)

OSKAR ARMS STATIC PRESSURE AND AIRFLOW PER DIAMETER



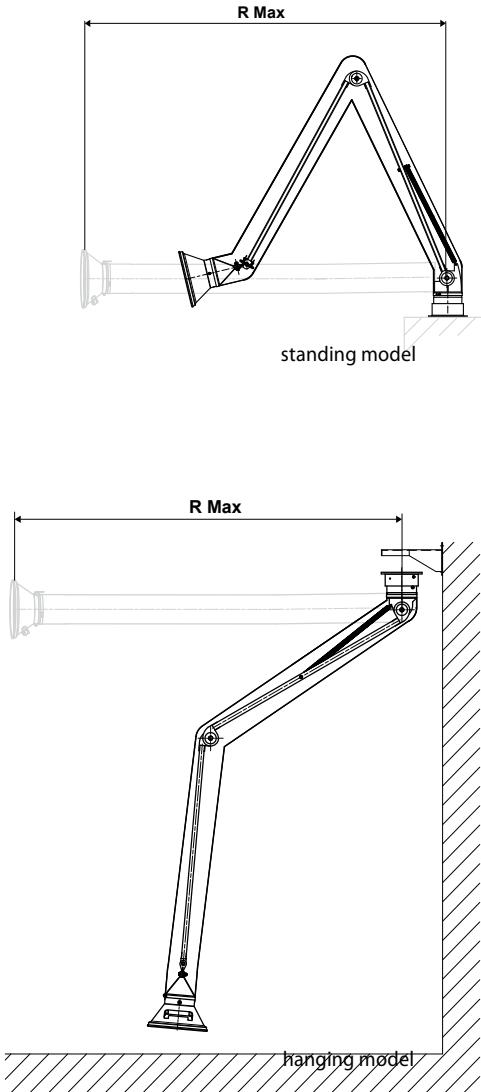
OSKAR ARMS MOUNTING BRACKETS



Bracket type Ø [mm]	n	Ø D [mm]	l [mm]	L [mm]	i [mm]	B [mm]	H [mm]	weight [kg]	Part number
WS-75	4	80	90	170	-	138	100	0,45	P07010001
WS-100	4	102	100	190	-	160	100	0,45	P07010002
WS-125	6	125	153	253	35	240	160	3,6	P07010003
WS-160	6	160	254	374	35	250	165	3,6	P07010004
WS-200	8	205	314	460	40	330	250	6,3	P07010005

ECON 160 FLEXIBLE HOSE FUME EXTRACTION ARM

Econ 160 flexible hose extraction arm is designed for local air pollution control at less demanding applications. This product is made of flexible hose and internal support mechanism with counter support spring and friction disc joints. Econ 160 hose extraction arm is cost effective alternative to tube arms used for frequent air pollution source capture in workshop environment. There are two models of this product. Hanging model can be used on wall or overhead. Standing models are designed to work right on work bench, table surface or on mobile filter units.



Model	Arm Reach Rmax [m]	Arm diameter [mm]	Hood inlet [mm]	Arm version
HA1620	2,0	160	315	hanging
HA1630	3,0	160	315	hanging
HA1620P	2,0	160	315	standing
HA1630P	3,0	160	315	standing

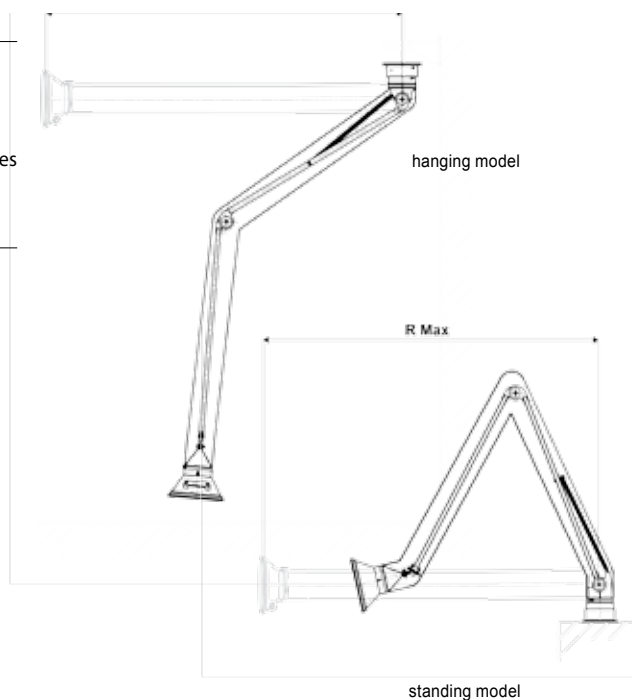
2017-03-14

APPLICATION

- welding, light dusts (low usage)
- standard temperature resistance up to 80°C
- recommended airflow range 800÷1000 m³/h
- local air pollution capture excluding chemically aggressive fumes and gases

CONSTRUCTION

- all adjustments in the inside
- aluminium hood (yellow) with plastic grab handle
- air damper built-in the hood
- black PVC flexible hose (temperature resistance up to 80°C)



ECON 160 HOSE ARMS – HANGING MODELS

- W02-HA-1620 Econ hose arm HA1620, reach 2 m, diameter 160 mm, hood inlet 315 mm
 W02-HA-1630 Econ hose arm HA1630, reach 3 m, diameter 160 mm, hood inlet 315 mm

ECON 160 HOSE ARMS – STANDING MODELS

- W02-HA-1620P Econ hose arm HA1620P, reach 2 m, diameter 160 mm, hood inlet 315 mm
 W02-HA-1630P Econ hose arm HA1630P, reach 3 m, diameter 160 mm, hood inlet 315 mm

ECON 160 HOSE ARMS – ACCESSORIES AND OPTIONS

- P07-01-0004 Mounting bracket WS-160
 P07-01-0013 Mounting bracket WSD-160 (longer version)
 P08-11-0004 Connection flange diameter 150 mm steel
 P08-11-0005 Connection flange diameter 160 mm steel

ECON 160 HOSE ARMS – SPARE PARTS

- M01-21-1203 Complete black PVC hose for hose arm model HA1620
 M01-21-1213 Complete black PVC hose for hose arm model HA1630
 P02-02-2001 Complete hose arm hood diameter 160 mm / 315 mm
 M01-45-004 Spring 600 for hanging hose arms

TELE 160 TELESCOPIC FUME EXTRACTION ARM

Tele 160 telescopic fume extraction arm has been designed for work in small, confined spaces especially with low ceilings. Tele 160 extraction arm is a unique construction which main principle is not to keep any internal mechanisms inside. The only device left inside is an air flow damper (no damper model available). Oskar telescoping arm is made of outside cast aluminium joints and two tubes which can move and rotate within each other. This product does not require any counter weight to work. Smooth tube design allows the lowest pressure drop as well as low noise levels. Construction of Tele 160 (like all other Oskar tube arms) means remarkable long product life time and simple maintenance. All adjustments on the outside allow for telescoping arm tension corrections without stopping air exhaust, contact with polluted air stream or fume arm interior.

FEATURES

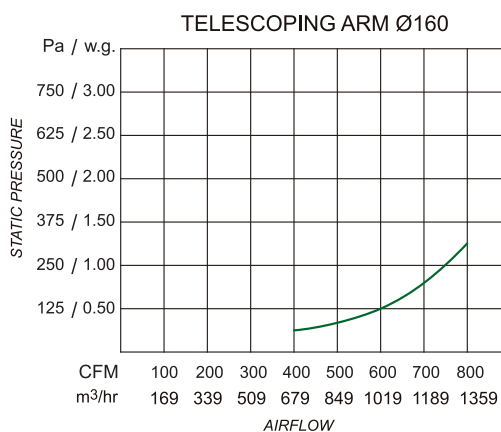
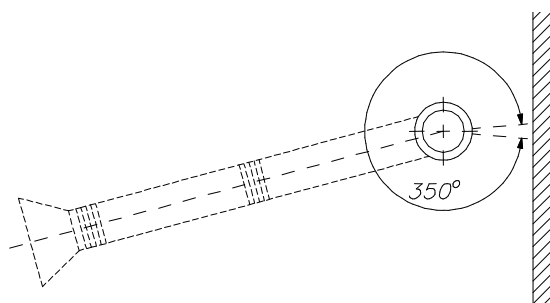
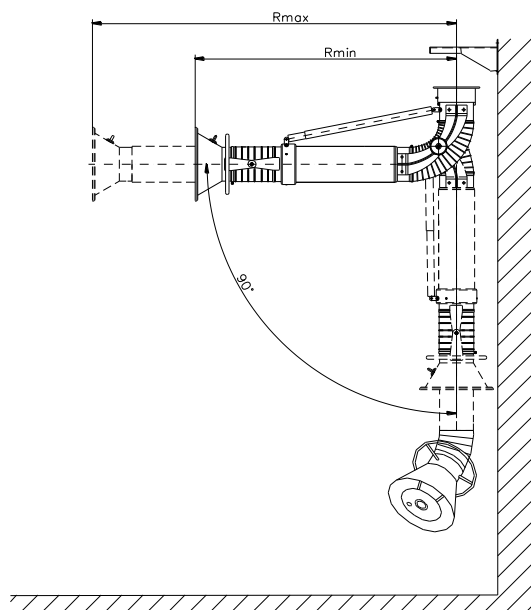
- industrial strength and durability
- versatile design
- smooth tube construction
- external supports and self-locking joints
- hood and tube grab handles
- air diverter in the hood
- standard damper

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



Model	Arm reach (Rmin) [mm]	Arm reach (Rmax) [mm]
T1616	1120	1435
T1618	1310	1740
T1626	1515	2535

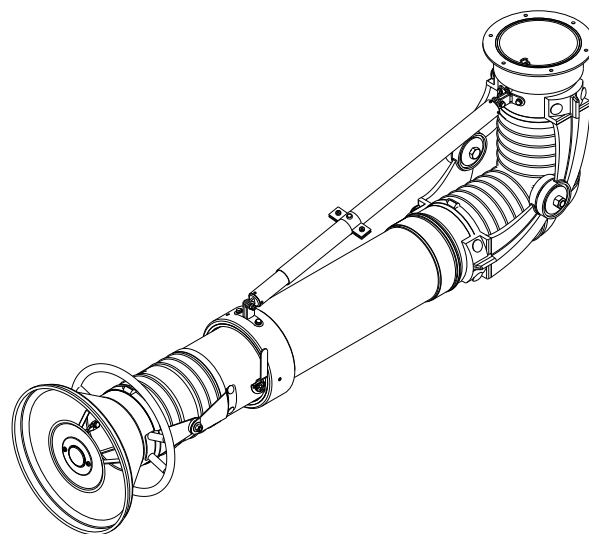


APPLICATION

- schools, repair and maintenance, production lines, welding booths
- standard temperature resistance up to 80°C
- recommended airflow range 900÷1400 m³/h
- local air pollution capture excluding chemically aggressive fumes and gases

CONSTRUCTION

- all adjustments on the outside
- aluminium hood with air diverter (yellow)
- grab handle all around the hood
- aluminium hood joints (black)
- cast aluminium swivel joints (black)
- aluminium and steel mounting swivel (yellow)
- smooth tube (blue)
- standard built-in air damper (T1618, T1626 models)
- black PVC flexible hoses (temperature resistance up to 80°C)
- standard powder coating



TELE 160 ARMS

W02-01-T1616	Telescopic arm T1616, reach 1,2 m-1,6 m; hood inlet 315 mm (without damper)
W02-01-T1618	Telescopic arm T1618, reach 1,4 m-1,8 m, diameter 160 mm, hood inlet 315 mm
W02-01-T1626	Telescopic arm T1626, reach 1,8 m-2,6 m, diameter 160 mm, hood inlet 315 mm

TELE 160 ARMS- ACCESSORIES AND OPTIONS

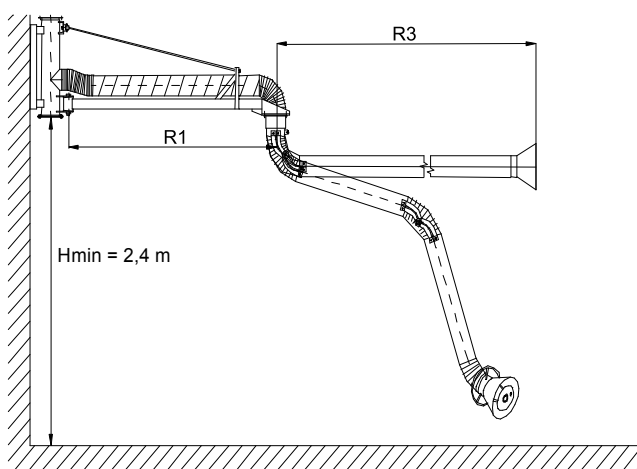
P07-01-0004	Mounting bracket WS-160
P07-01-0013	Mounting bracket WSD-160 (longer version)
P08-11-0004	Connection flange diameter 150 mm steel
P08-11-0005	Connection flange diameter 160 mm steel
P02-80-0010	Grounding option - all metal parts hood, tubes, mounting swivel connected with grounding wires
P02-02-0127	Extended hood diameter 160 mm / 500 mm option (adds to the price of arm or standard hood)

TELE 160 ARMS - SPARE PARTS

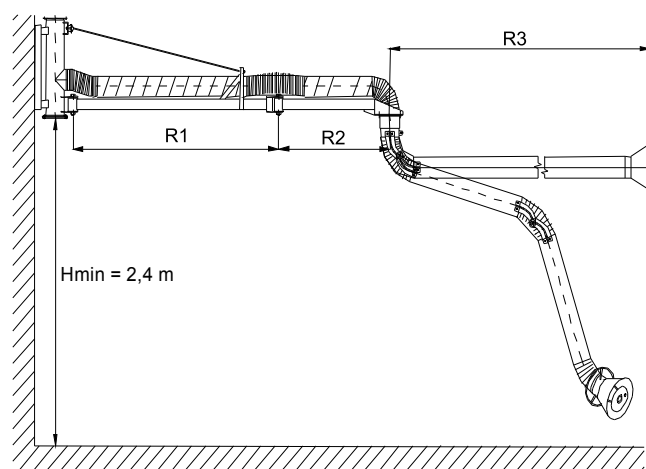
M03-21-1223	Complete set of black PVC flexible hoses for telescopic arm 160
P02-02-0125	Complete hood diameter 160 mm / 315 mm
P02-05-0012	Complete spring for telescopic arms

EXTENSION BOOMS 160

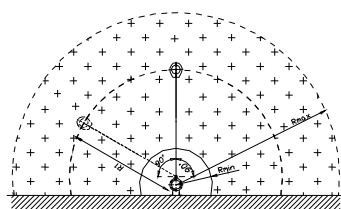
Oskar's swinging extension booms are designed to increase the reach of self-supporting arms or other exhaust products like hose reels and flexible hose drops. The extension boom helps reaching areas distant from a wall or mounting point. They can also be used to support items such as feeders or underslung hoses or cables. Top and bottom outlet of boom wall mounting bracket is ready to accept a fan or duct connection. The extension beams are manufactured of heavy gauge square steel tube welded to heavy duty hinge. As a standard all units are supplied with an inlet bracket to mount Oskar fume arms. Double pivot type extension booms are divided by a centre hinge which allows the user to reach back under the extension boom or just simply to reach around the corner. There are no internal mechanisms within boom duct which allows lowest pressure drop as well as low noise level. All adjustments mechanisms are designed on the outside of the boom. Oskar extension booms are heavy duty products of remarkable reliability and operational life time.



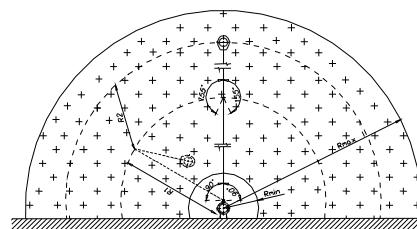
Single pivot extension boom (with arm)



Double pivot extension boom (with arm)



Working radius single pivot



Working radius double pivot

Model Ø160		R1 [m]	R2 [m]	R3 max [m]	Weight [kg]
20160	2 m	2	–	4	56
30160	3 m	3	–	4	67
40160	4 m	4	–	4	79
50160	5 m	5	–	4	89
60160	6 m	6	–	4	89
21160	2 m + 1 m	2,0	1,1	3	80
22160	2 m + 2 m	2,0	1,8	3	85
31160	3 m + 1 m	3,0	1,1	3	88
32160	3 m + 2 m	3,0	1,8	3	95
41160	4 m + 1 m	4	1,1	3	103
42160	4 m + 2 m	4	1,8	3	110

APPLICATION

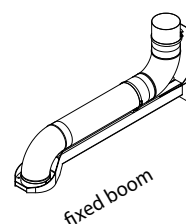
- welding, grinding, polishing, packaging, cutting, automotive fumes, oil mist and smoke
- standard temperature resistance up to 80°C
- recommended airflow range 900÷1400 m³/h

CONSTRUCTION

- galvanized spiral tube on the support beam
- heavy duty steel closed profile support beams with metal counter support rod and inlet socket for 160 series extraction arms
- all supports and adjustments on the outside
- welded steel boom mounting bracket with top or bottom outlets
- rigid bearings with friction discs
- black PVC flexible hoses (temperature resistance up to 80°C)

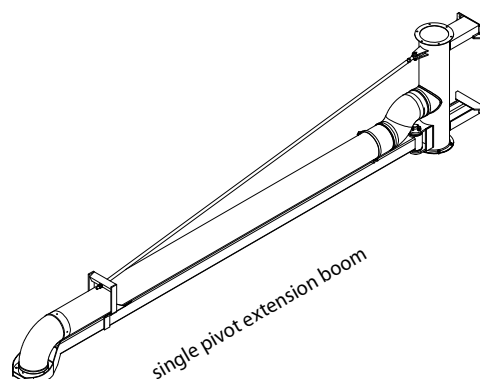
FIXED EXTENSION BOOMS 160

301102143	Fixed extension boom 160 - reach 1 m, diameter 160 mm
301102224	Fixed extension boom 160 - reach 2 m, diameter 160 mm



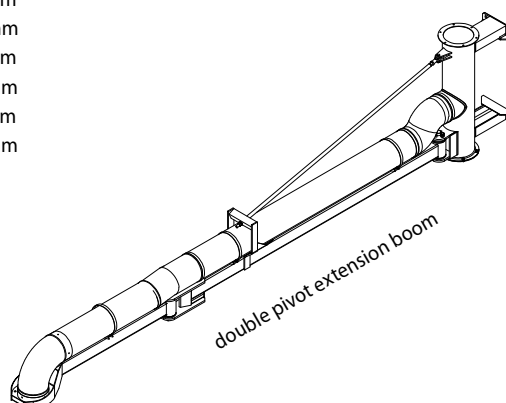
SINGLE PIVOT EXTENSION BOOMS 160

301101338	Single pivot extension boom 10160 - reach 1 m, diameter 160 mm
301101339	Single pivot extension boom 20160 - reach 2 m, diameter 160 mm
301101340	Single pivot extension boom 30160 - reach 3 m, diameter 160 mm
301101341	Single pivot extension boom 40160 - reach 4 m, diameter 160 mm
301101342	Single pivot extension boom 50160 - reach 5 m, diameter 160 mm
301101343	Single pivot extension boom 60160 - reach 6 m, diameter 160 mm



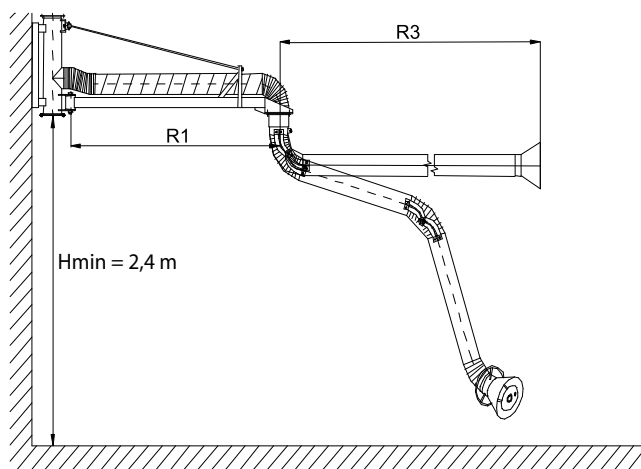
DOUBLE PIVOT EXTENSION BOOMS 160

301101350	Double pivot extension boom 21160 - reach 2 m + 1 m, diameter 160 mm
301101351	Double pivot extension boom 22160 - reach 2 m + 2 m, diameter 160 mm
301101352	Double pivot extension boom 31160 - reach 3 m + 1 m, diameter 160 mm
301101353	Double pivot extension boom 32160 - reach 3 m + 2 m, diameter 160 mm
301101354	Double pivot extension boom 41160 - reach 4 m + 1 m, diameter 160 mm
301101355	Double pivot extension boom 42160 - reach 4 m + 2 m, diameter 160 mm

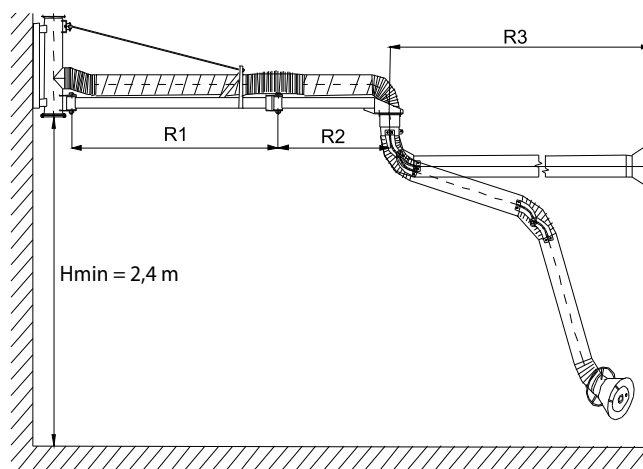


EXTENSION BOOMS 200

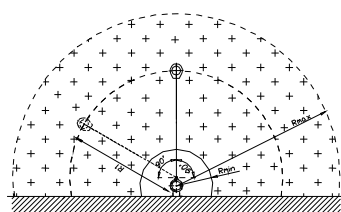
Oskar's swinging extension booms are designed to enlarge the reach of self-supporting arms or other exhaust products like hose reels and flexible hose drops. The extension boom helps reaching areas distant from a wall or mounting point. They can also be used to support items such as feeders or underslung hoses or cables. Top and bottom outlet of boom wall mounting bracket is ready to accept a fan or duct connection. The extension beams are manufactured of heavy gauge square steel tube welded to heavy duty hinge. As a standard all units are supplied with an inlet bracket to mount Oskar fume arms. Double pivot type extension booms are divided by a centre hinge which allows the user to reach back under the extension boom or just simply to reach around the corner. There are no internal mechanisms within boom duct which allows lowest pressure drop as well as low noise level. All adjustments mechanisms are designed on the outside of the boom. Oskar extension booms are heavy duty products of remarkable reliability and operational life time.



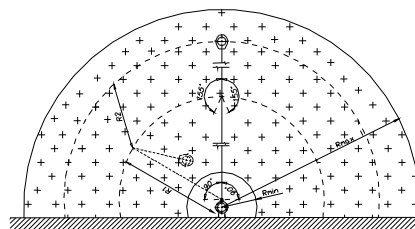
Single pivot boom



Double pivot boom



Working radius single pivot



Working radius double pivot

Model Ø200		R1 [m]	R2 [m]	R3 max [m]	Weight [kg]
20200	2 m	2	–	4	90
30200	3 m	3	–	4	103
40200	4 m	4	–	4	119
50200	5 m	5	–	4	132
60200	6 m	6	–	4	145
21200	2 m + 1 m	2	1,1	3	106
22200	2 m + 2 m	2	1,8	3	116
31200	3 m + 1 m	3	1,1	3	117
32200	3 m + 2 m	3	1,8	3	127
41200	4 m + 1 m	4	1,1	3	129
42200	4 m + 2 m	4	1,8	3	139

APPLICATION

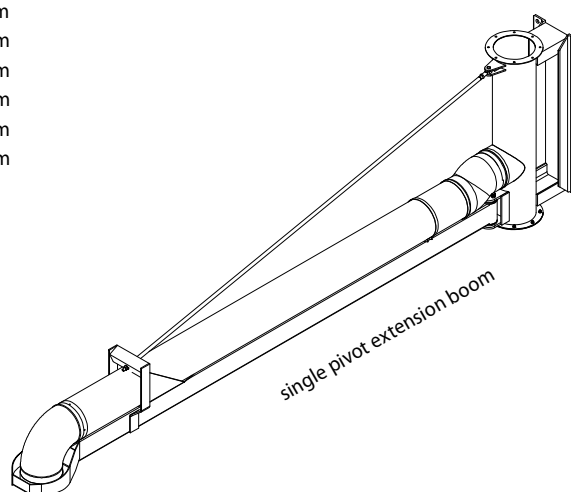
- welding, grinding, polishing, packaging, cutting, automotive fumes, oil mist and smoke,
- standard temperature resistance up to 80°C
- recommended airflow range 1400÷2500 m³/h

CONSTRUCTION

- galvanized spiral tube on the support beam
- heavy duty steel closed profile support beams with metal counter support rod and inlet socket for 200 series extraction arms
- all supports and adjustments on the outside
- welded steel boom mounting bracket with top or bottom outlets
- rigid bearings with friction discs
- black PVC flexible hoses (temperature resistance up to 80°C)

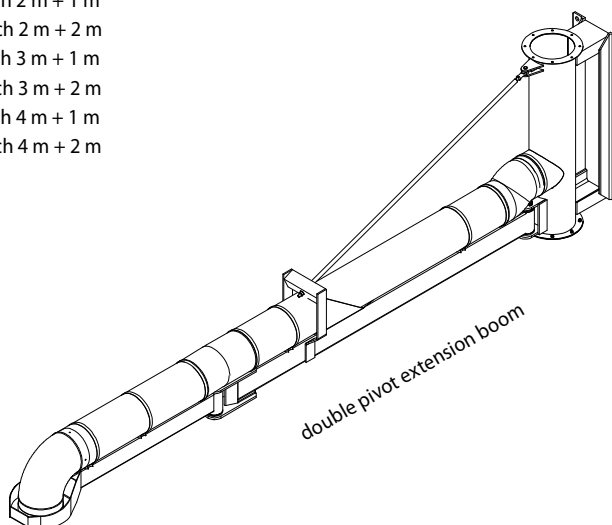
SINGLE PIVOT EXTENSION BOOMS 200

301101344	Single pivot extension boom 10200 - reach 1 m
301101345	Single pivot extension boom 20200 - reach 2 m
301101346	Single pivot extension boom 30200 - reach 3 m
301101347	Single pivot extension boom 40200 - reach 4 m
301101348	Single pivot extension boom 50200 - reach 5 m
301101349	Single pivot extension boom 60200 - reach 6 m



DOUBLE PIVOT EXTENSION BOOMS 200

301101356	Double pivot extension boom 21200 - reach 2 m + 1 m
301101357	Double pivot extension boom 22200 - reach 2 m + 2 m
301101358	Double pivot extension boom 31200 - reach 3 m + 1 m
301101359	Double pivot extension boom 32200 - reach 3 m + 2 m
301101360	Double pivot extension boom 41200 - reach 4 m + 1 m
301101361	Double pivot extension boom 42200 - reach 4 m + 2 m



OSKAR STAINLESS STEEL FUME EXTRACTION ARMS

Oskar stainless steel fume extraction arms are the most advanced, versatile, and durable method of capturing air pollution at its source. Oskar arm duct is completely stainless inside (from hood down to mounting swivel). Depending on application demand Oskar stainless arm can be configured with stainless joints (models 75 and 100), raw or anodized aluminium elements, food grade, high temperature resistant or electrically conductive elastic hoses. Large choice of components combinations makes Oskar stainless arm one of the most versatile products in its group.

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 stainless
airflow damper



grab handle all
around the hood

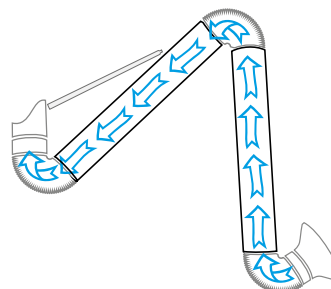


air velocity
diverter

OSKAR EXTERNAL JOINTS CONCEPT VERSUS HOSE ARM INTERNAL SUPPORT MECHANISM

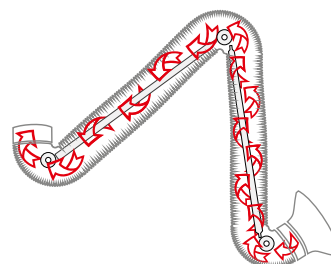
OSKAR SELF-SUPPORTING FUME ARM

- 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



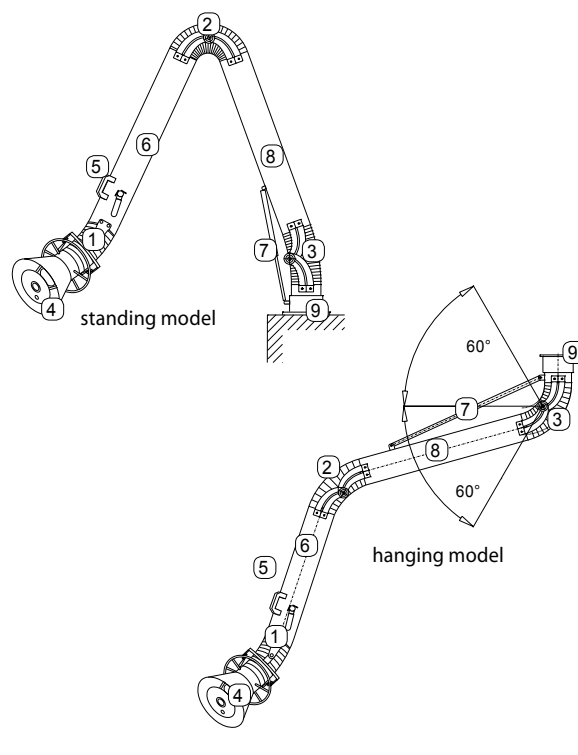
INTERNAL SUPPORT HOSE ARM

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



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 ad 100 steel or stainless joints. Models 125, 160, 200 cast aluminium joints.
3. Socket joint - flexible hose with gear clamps, external adjustments. Models 75 ad 100 steel or stainless joints. Models 125, 160, 200 cast aluminium joints.
4. Stainless steel hood with grab handle all around and stainless steel air diverter
5. Tube grab handle
6. Stainless steel hood tube - smooth tubing with standard stainless steel damper
7. Telescopic spring in hanging and gas shock in standing models
8. Stainless steel socket tube
9. Rotating mounting socket (stainless inside)



OSKAR STAINLESS STEEL 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	4	S0710	S0710P
75	3	1,5	5	160	4	S0715	S0715P
100	4	1,5	5	200	8	S1015	S1015P
100	4	2,0	7	200	8	S1020	S1020P
100	4	2,5	8	200	8	S1025	S1025P
125	5	2,0	7	250	10	S1220	S1220P
125	5	2,5	8	250	10	S1225	S1225P
125	5	3,0	10	250	10	S1230	S1230P
160	6	2,0	7	315 (500)	12 (20)	S1620	S1620P
160	6	3,0	10	315 (500)	12 (20)	S1630	S1630P
160	6	4,0	14	315 (500)	12 (20)	S1640	S1640P
200	8	2,0	7	350 (500)	14 (20)	S2020	S2020P
200	8	3,0	10	350 (500)	14 (20)	S2030	S2030P
200	8	4,0	14	350 (500)	14 (20)	S2040	S2040P

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

OSKAR STAINLESS STEEL ARMS RECOMMENDED AIRFLOW RANGE PER DIAMETER

Arm diameter		Recommended airflow	
[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

OSKAR STAINLESS 75 SELF-SUPPORTING FUME EXTRACTION ARMS

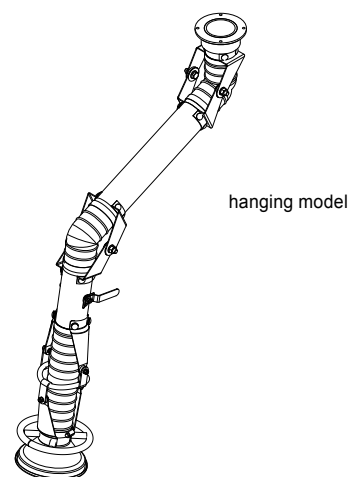
Oskar 75 self-supporting stainless fume arms are designed to suit many types of dust, fume and smoke applications. Oskar 75 construction means all adjustments and supports on the outside. Oskar fume arm duct is free from any internal mechanisms (except for air flow damper). Oskar 75 arm is easy to position and simple to maintain. Smooth metal tubes and outside joint construction provide lowest pressure drop, low noise level as well as remarkably long operational life time. There is no need to stop exhaust system or touch polluted air stream to adjust the arm. Wide choice of different flexible hoses and arm construction elements options allow to customize Oskar stainless arm to work with many air pollution applications (antistatic, ATEX, chemical, high temperature, clean rooms, food, pharmaceutical and more).

APPLICATION

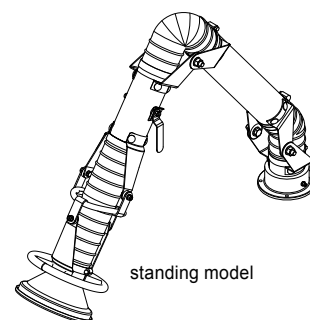
- local fume capture where production equipment is frequently washed
- chemically aggressive, flammable or high temperature gaseous mixtures
- temperature resistance up to 230°C depending on the type of elastic hose
- recommended airflow range 200÷350 m³/h

CONSTRUCTION

- arm interior stainless including bolts, nuts and airflow damper
- all adjustments on the outside
- stainless steel capture hood with air diverter and grab handle all around the hood
- aluminium hood joints (painted black)
- middle and swivel steel joints (painted black), stainless steel on separate request
- aluminium-stainless mounting swivel
- smooth stainless steel tubes
- standard stainless steel built-in damper
- black PVC flexible hoses (temperature resistance up to 80°C)
- stainless steel grade 304



hanging model



standing model

STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 75 – HANGING MODELS

W02-SS-0710	Stainless steel Oskar fume arm 0710, reach 1 m, diameter 75 mm, hood inlet 160 mm
W02-SS-0715	Stainless steel Oskar fume arm 0715, reach 1,5 m, diameter 75 mm, hood inlet 160 mm

STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 75 – STANDING MODELS

W02-SS-0710P	Stainless steel Oskar fume arm 0710P, reach 1 m, diameter 75 mm, hood inlet 160 mm
W02-SS-0715P	Stainless steel Oskar fume arm 0715P, reach 1,5 m, diameter 75 mm, hood inlet 160 mm

STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 75 – ACCESSORIES AND OPTIONS

212582-SS304	Mounting bracket WS-075 stainless steel grade 304
P07-02-9503	Connection flange diameter 75 mm stainless steel grade 304
P02-80-0010	Grounding option - all metal parts hood, tubes, mounting swivel connected with grounding wires

STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 75 – FLEXIBLE HOSE OPTIONS

230040	Set of PUR food grade flexible hoses with hygienic certificate for 75 models
231376	Set of electrically conductive flexible hoses for 75 models

OSKAR STAINLESS 100 SELF-SUPPORTING FUME EXTRACTION ARMS

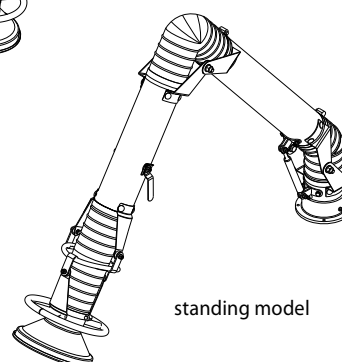
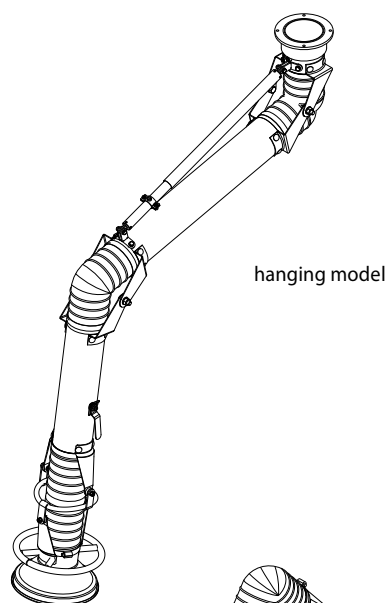
Oskar 100 self-supporting stainless steel fume arms are designed for source air pollution capture at medium size airflow demanding applications. Oskar stainless 100 work in environments where equipment is frequently washed (food, pharmaceutical), where needs to be antistatic or resistant to chemicals. Special requirement can be satisfied with combination of different elastic hoses, grounding option and outside elements materials. Oskar 100 is free from any internal mechanisms. There is nothing inside but the stainless steel air flow damper. All Oskar 100 arm adjustments are accessible on the outside which allows any adjustments to be done without touching the polluted air stream or stopping the air flow operation. Smooth tube and nothing in the duct means lowest pressure drop and noise level as well as easy maintenance and long operational life time.

APPLICATION

- local fume capture at places where production devices need washing
- aggressive, flammable or high temperature gaseous mixtures
- standard temperature resistance between 80 - 230°C depending on the type of flexible hose application
- recommended airflow range 350÷550 m³/h

CONSTRUCTION

- arm interior stainless including bolts, nuts and airflow damper
- all adjustments on the outside
- stainless steel capture hood with air diverter and grab handle all around the hood
- aluminium hood joints (painted black)
- middle and swivel steel joints (painted black), stainless steel on separate request
- aluminium-stainless mounting swivel
- smooth stainless steel tubes
- standard stainless steel built-in damper
- black PVC flexible hoses (temperature resistance up to 80°C)
- stainless steel grade 304



STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 100 – HANGING MODELS

W02-SS-1015	Stainless steel Oskar fume arm 1015, reach 1,5 m, diameter 100 mm, hood inlet 200 mm
W02-SS-1020	Stainless steel Oskar fume arm 1020, reach 2 m, diameter 100 mm, hood inlet 200 mm
W02-SS-1025	Stainless steel Oskar fume arm 1025, reach 2,5 m, diameter 100 mm, hood inlet 200 mm

STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 100 – STANDING MODELS

W02-SS-1015P	Stainless steel Oskar fume arm 1015P, reach 1,5 m, diameter 100 mm, hood inlet 200 mm
W02-SS-1020P	Stainless steel Oskar fume arm 1020P, reach 2 m, diameter 100 mm, hood inlet 200 mm
W02-SS-1025P	Stainless steel Oskar fume arm 1025P, reach 2,5 m, diameter 100 mm, hood inlet 200 mm

STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 100 – ACCESSORIES AND OPTIONS

212536-SS304	Mounting bracket WS-100 stainless steel grade 304
P07-02-9501	Connection flange diameter 100 mm stainless steel grade 304
P02-80-0010	Grounding option - all metal parts hood, tubes, mounting swivel connected with grounding wires

STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 100 – FLEXIBLE HOSE OPTIONS

230044	Set of PUR food grade flexible hoses with hygienic certificate for 100 models
231377	Set of electrically conductive flexible hoses for 100 models

OSKAR STAINLESS 125 SELF-SUPPORTING FUME EXTRACTION ARMS

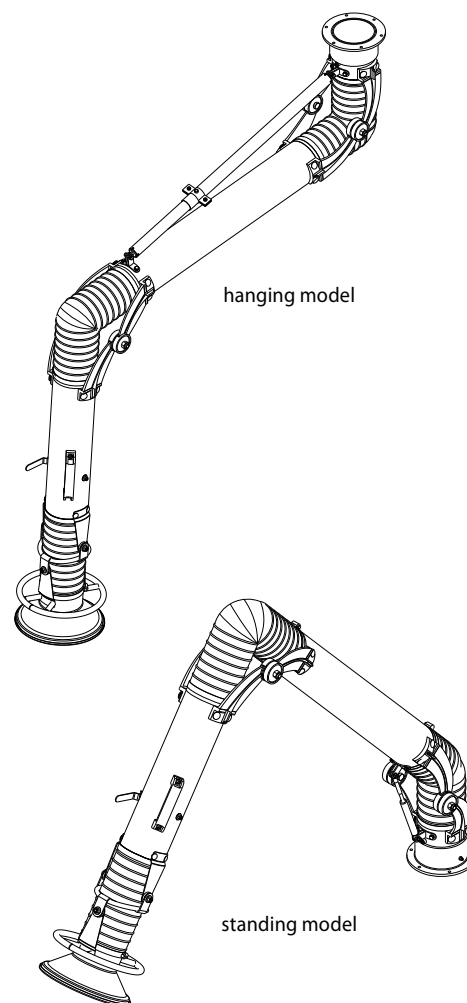
Many demanding production process require frequent equipment washing or disinfection. At some of them air pollution is aggressive or possibly flammable. In such cases stainless steel fume arm is the easiest way to control the problem at source of its creation. Oskar stainless 125 arm is a unique construction with smooth stainless steel tubes and aluminium outside joints which allow lowest pressure drop, low noise level, easy maintenance and remarkably long operational life time. All adjustments are on the outside which means there is no need to stop the exhaust system and there is no contact with polluted air stream nor duct interior when the arm regulation is need. Oskar stainless arms can be combined with different types of elastic hoses and construction options to provide user with tailored solution.

APPLICATION

- local fume capture where production equipment is frequently washed
- chemically aggressive, flammable or high temperature gaseous mixtures
- temperature resistance up to 230°C depending on the type of elastic hose
- recommended airflow range 550÷900 m³/h

CONSTRUCTION

- arm interior stainless including bolts, nuts and airflow damper
- all adjustments on the outside
- stainless steel capture hood with air diverter and grab handle all around the hood
- aluminium hood joints (painted black)
- cast aluminium middle and swivel joints (painted black)
- aluminium-stainless mounting swivel
- smooth stainless steel tubes
- standard stainless steel built-in damper
- black PVC flexible hoses (temperature resistance up to 80°C)
- stainless steel grade 304



STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 125 – HANGING MODELS

W02-SS-1220	Stainless steel Oskar fume arm 1220, reach 2 m, diameter 125 mm, hood inlet 250 mm
W02-SS-1230	Stainless steel Oskar fume arm 1230, reach 3 m, diameter 125 mm, hood inlet 250 mm

STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 125 – STANDING MODELS

W02-SS-1220P	Stainless steel Oskar fume arm 1220P, reach 2 m, diameter 125 mm, hood inlet 250 mm
W02-SS-1230P	Stainless steel Oskar fume arm 1230P, reach 3 m, diameter 125 mm, hood inlet 250 mm

STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 125 – ACCESSORIES AND OPTIONS

102588-SS304	Mounting bracket WS-125 stainless steel grade 304
P07-02-9501	Connection flange diameter 125 mm stainless steel grade 304
P02-80-0010	Grounding option - all metal parts hood, tubes, mounting swivel connected with grounding wires

STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 125 – FLEXIBLE HOSE OPTIONS

230048	Set of PUR food grade flexible hoses with hygienic certificate for 125 models
231378	Set of electrically conductive flexible hoses for 125 models

OSKAR STAINLESS 160 SELF-SUPPORTING FUME EXTRACTION ARMS

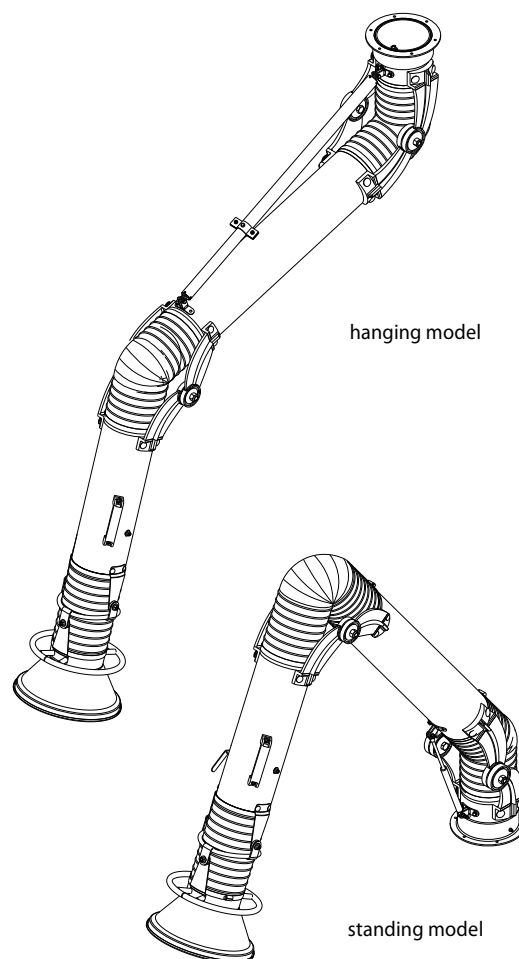
Oskar 160 self-supporting stainless fume arms are applied to many processes where standard arms are not able to fulfil special conditions. There are many different applications which require stainless steel arms. Among them are production processes requiring frequent equipment washing or disinfection, where air pollution is chemically aggressive or possibly flammable. In such cases stainless steel fume arm is one of the easiest ways to control the problem at source of its creation. Oskar 160 arm is a unique construction with smooth stainless steel tubes and aluminium outside joints which allow lowest pressure drop, low noise level, easy maintenance and remarkably long operational life time. All adjustments are on the outside which means there is no need to stop the exhaust system and there is no contact with polluted air stream nor duct interior when the arm regulation is needed. Oskar stainless arms can be combined with different types of elastic hoses and construction options to provide user with tailored solution.

APPLICATION

- local fume capture at places where production devices need washing, there are aggressive, flammable or high temperature gaseous mixtures
- standard temperature resistance between 80 - 230°C depending from the type of flexible hose application
- recommended airflow range 900÷1400 m³/h

CONSTRUCTION

- all adjustments on the outside
- stainless steel capture hood with air diverter and grab handle all around the hood
- aluminium hood joints (painted black)
- aluminium middle and swivel joints (painted black)
- stainless and aluminium mounting swivel (duct inner part of the swivel fully stainless)
- smooth stainless steel tubes
- standard stainless steel built-in damper
- standard delivery with black PVC flexible hoses (temperature resistance up to 80°C)
- stainless steel grade 304



STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 160 – HANGING MODELS

W02-SS-1620	Stainless steel Oskar fume arm 1620, reach 2 m, diameter 160 mm, hood inlet 315 mm
W02-SS-1630	Stainless steel Oskar fume arm 1630, reach 3 m, diameter 160 mm, hood inlet 315 mm
W02-SS-1640	Stainless steel Oskar fume arm 1640, reach 4 m, diameter 160 mm, hood inlet 315 mm

STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 160 – STANDING MODELS

W02-SS-1620P	Stainless steel Oskar fume arm 1620P, reach 2 m, diameter 160 mm, hood inlet 315 mm
W02-SS-1630P	Stainless steel Oskar fume arm 1630P, reach 3 m, diameter 160 mm, hood inlet 315 mm
W02-SS-1640P	Stainless steel Oskar fume arm 1640P, reach 4 m, diameter 160 mm, hood inlet 315 mm

STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 160 – ACCESSORIES AND OPTIONS

102589-SS304	Mounting bracket WSS-160 stainless steel grade 304
P07-02-9504	Connection flange diameter 150 mm stainless steel grade 304
P07-02-9502	Connection flange diameter 160 mm stainless steel grade 304
P02-80-0010	Grounding option - all metal parts hood, tubes, mounting swivel connected with grounding wires

STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 160 – FLEXIBLE HOSE OPTIONS

230052	Set of PUR food grade flexible hoses with hygienic certificate for 160 models
231379	Set of electrically conductive flexible hoses for 160 models

OSKAR STAINLESS 200 SELF-SUPPORTING FUME EXTRACTION ARMS

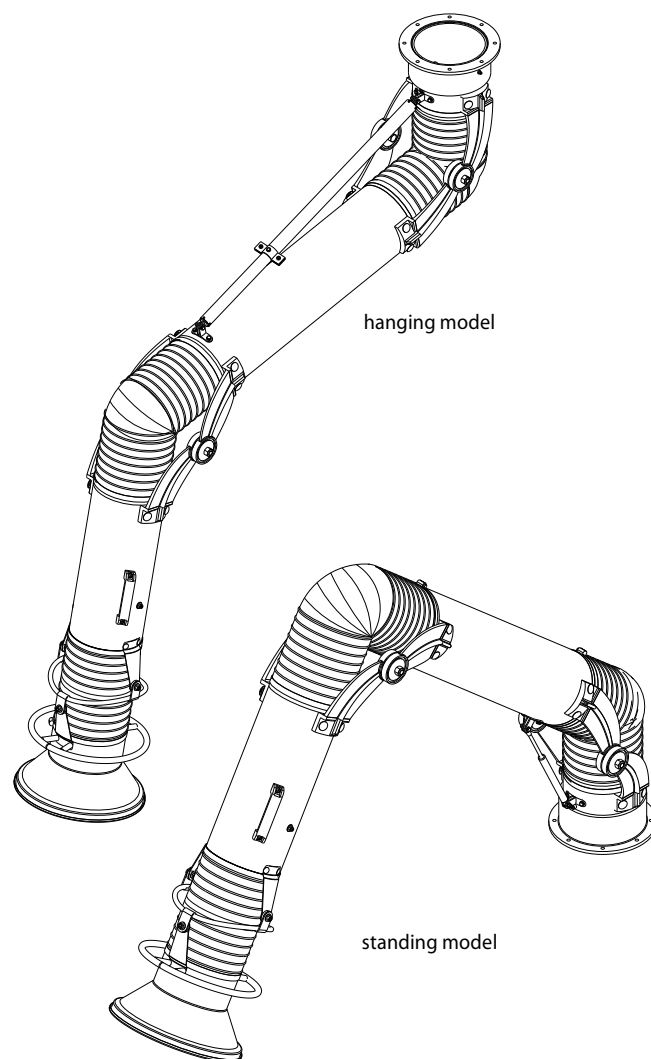
Oskar stainless 200 self-supporting fume extraction arm has been designed for local air pollution control at most demanding and heavy duty industrial processes where standard arm is not enough. Among them there are production process requiring frequent equipment washing or disinfection or where air pollution is chemically aggressive or possibly flammable. In such cases stainless steel fume arm is one of the easiest ways to control the problem at source of its creation. Smooth tube construction, light aluminium outside joints allow lowest pressure drop, lowest noise level, easy maintenance and remarkable long operational life time. There is nothing with-in Oskar extraction arm except for air flow damper. All adjustments are on the outside which means there is no need to stop the exhaust system and there is no contact with polluted air stream nor duct interior when the arm regulation is needed.

APPLICATION

- local fume capture at places where production devices need washing, there are aggressive, flammable or high temperature gaseous mixtures
- standard temperature resistance between 80 - 230°C depending from the type of flexible hose application
- recommended airflow range 1400÷2500 m³/h

CONSTRUCTION

- all adjustments on the outside
- stainless steel capture hood with air diverter and grab handle all around the hood
- aluminium hood joints (painted black)
- aluminium middle and swivel joints (painted black)
- stainless and aluminium mounting swivel (duct inner part of the swivel fully stainless)
- smooth stainless steel tubes
- standard stainless steel built-in damper
- standard delivery with black PVC flexible hoses (temperature resistance up to 80°C)
- stainless steel grade 304



STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 200 – HANGING MODELS

W02-SS-2020	Stainless steel Oskar fume arm 2020, reach 2 m, hood inlet 350 mm
W02-SS-2030	Stainless steel Oskar fume arm 2030, reach 3 m, hood inlet 350 mm
W02-SS-2040	Stainless steel Oskar fume arm 2040, reach 4 m, hood inlet 350 mm

STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 200 – STANDING MODELS

W02-SS-2020P	Stainless steel Oskar fume arm 2020P, reach 2 m, hood inlet 350 mm
W02-SS-2030P	Stainless steel Oskar fume arm 2030P, reach 3 m, hood inlet 350 mm
W02-SS-2040P	Stainless steel Oskar fume arm 2040P, reach 4 m, hood inlet 350 mm

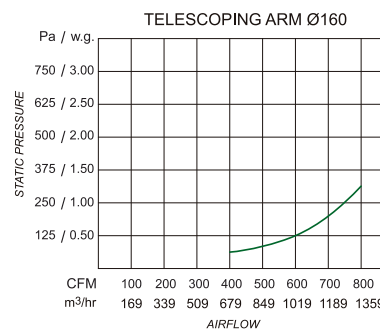
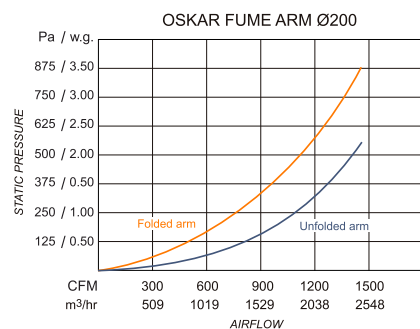
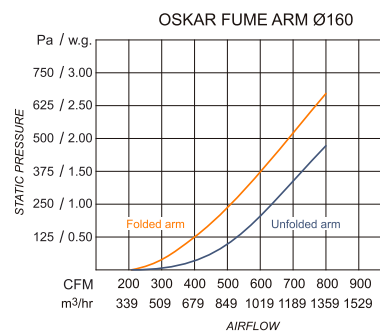
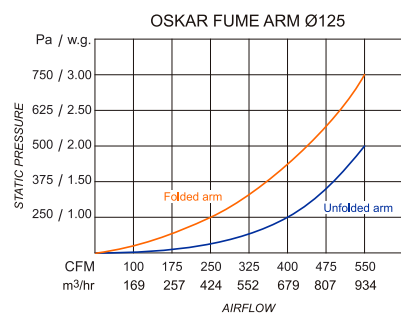
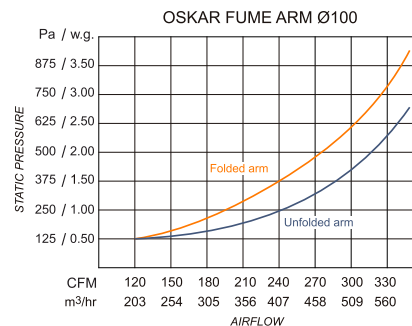
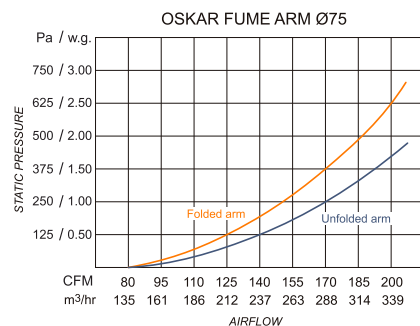
STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 200 – ACCESSORIES AND OPTIONS

1SS02551-SS304	Mounting bracket WSS-200 stainless steel grade 304
P07-02-9502	Connection flange diameter 200 mm stainless steel grade 304
P02-80-0010	Grounding option - all metal parts hood, tubes, mounting swivel connected with grounding wires

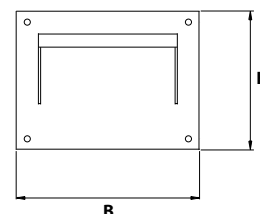
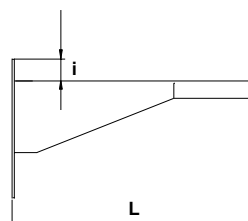
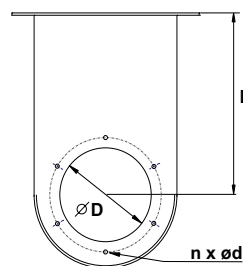
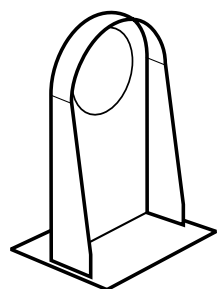
STAINLESS STEEL OSKAR FUME EXTRACTION ARMS 200 – FLEXIBLE HOSE OPTIONS

230056	Set of PUR food grade flexible hoses with hygienic certificate for 200 models
231380	Set of electrically conductive flexible hoses for 200 models

OSKAR STAINLESS ARMS STATIC PRESSURE AND AIRFLOW PER DIAMETER



OSKAR STAINLESS ARMS MOUNTING BRACKETS



Bracket type Ø [mm]	n	Ø D [mm]	l [mm]	L [mm]	i [mm]	B [mm]	H [mm]	weight [kg]	Part number
WSS-75	4	80	90	170	-	138	100	0,45	P07019501
WSS-100	4	102	100	190	-	160	100	0,45	P07019502
WSS-125	6	125	153	253	35	240	160	3,6	P07019503
WSS-160	6	160	254	374	35	250	165	3,6	P07019504
WSS-200	8	205	314	460	40	330	250	6,3	P07019505

ZWR EXTRACTION FANS – ALUMINIUM IMPELLERS IN STEEL HOUSINGS

ZWR fans have been designed to work with Oskar Air Products source capture devices as well as with clean or polluted air extraction installations. Aluminium impellers enclosed in steel powder coated housings ensure high airflow efficiency and spark-proof design. ZWR fan units are used to exhaust non-explosive and chemically non-aggressive gases of temperatures up to 40°C. ZWR extraction fans are perfect for fume and dust extraction especially with Oskar at-point extraction products such as fume extraction arms, extension booms, sliding rails, car exhaust hose reels or hose drops.



ZWR-03

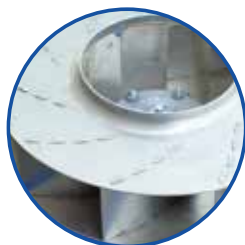


ZWR-04



ZWR-05

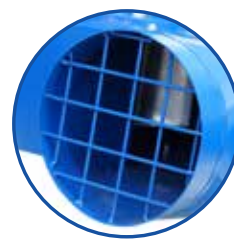
Type	Nominal airflow [m³/h]	Power [kW]	Power supply V / [Hz]	Rotation [RPM]	Protection	Noise level [dB(A)]
ZWR-03	1000	0,75	3x400 V / 50	2780	IP 54	77
ZWR-04	1500	1,1	3x400 V / 50	2760	IP 54	79
ZWR-05	2000	2,2	3x400 V / 50	2800	IP 54	80



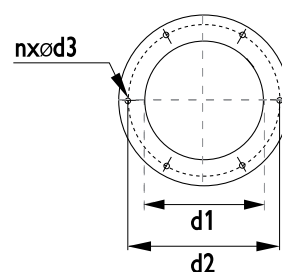
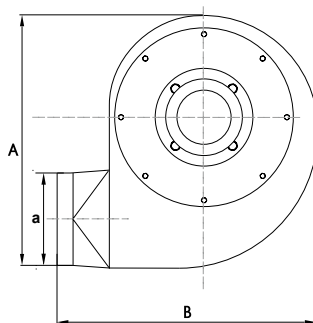
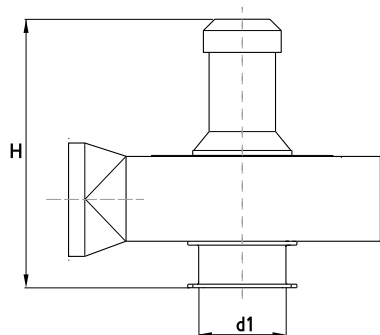
Aluminium backward inclined blade
radial impellers



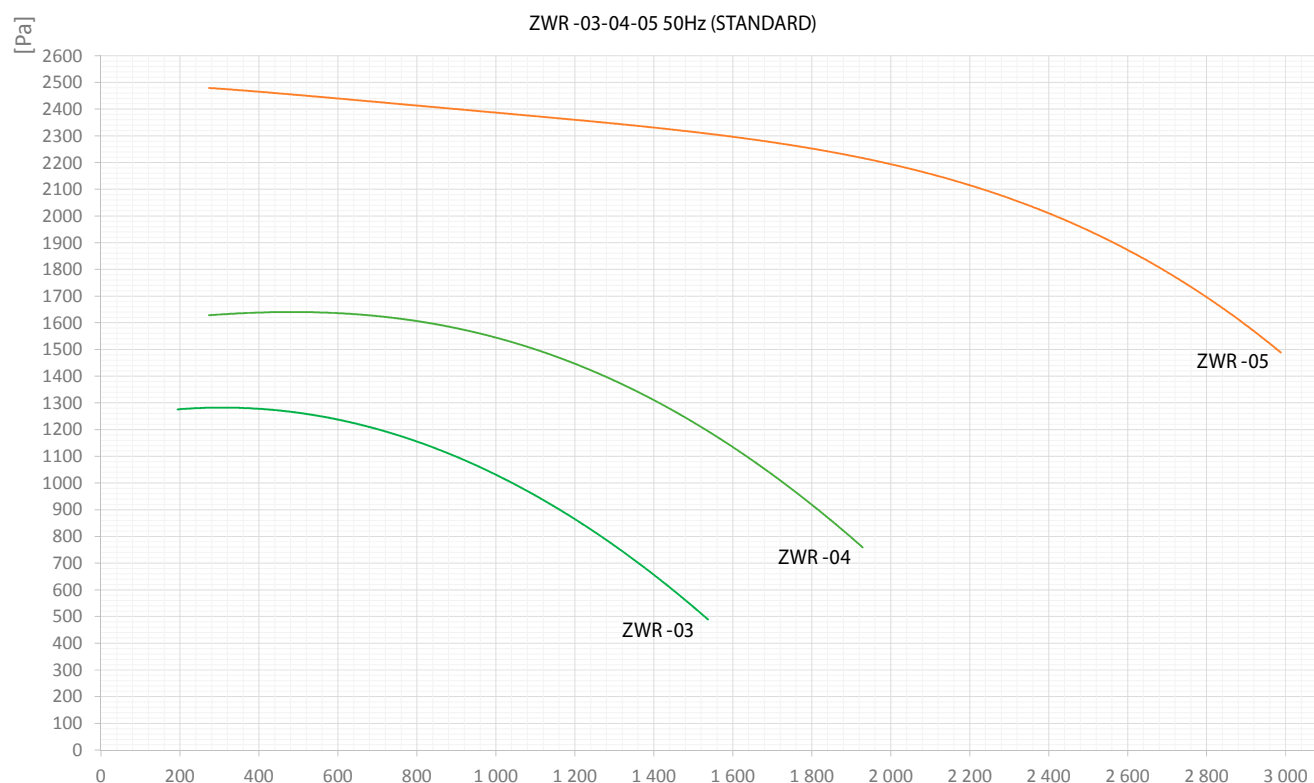
Smooth cones and protective
mesh on inlet



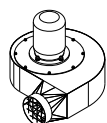
Outlet protective mesh



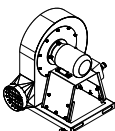
Type	A	B	H	d1	a	n	d2
ZWR-03	513	575	427	157	158	6	195
ZWR-04	577	635	481	157	198	6	195
ZWR-05	651	691	492	197	198	8	246



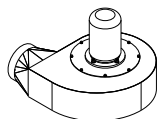
ZWR-03 0,75 KW



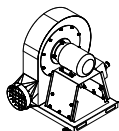
- | | |
|-------------|---|
| 302-15-0001 | ZWR-03 extraction fan, nominal airflow 1000 m³/h, inlet diam. 160 mm, outlet diam. 160 mm, motor 0,75 kW 400 V 3 phase (single phase motor on request), without motor switch |
| 302-15-0002 | ZWR-03 extraction fan on portable stand, nominal airflow 1000 m³/h, inlet diam. 160 mm, outlet diam. 160 mm, motor 0,75 kW 400 V 3 phase (single phase motor on request), motor switch included |
| P07-01-0004 | Mounting bracket WS-160 |
| P07-01-0013 | Mounting bracket WSD-160 (longer version) |
| 100042 | Motor on/off switch with thermal overload protection 1,6-2,5A |
| 230016 | Set of transport wheels ZWR |



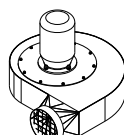
ZWR-04 1,1 KW



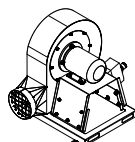
- | | |
|-------------|--|
| 302-20-0001 | ZWR-04 extraction fan, nominal airflow 1500 m³/h, inlet diam. 160 mm, outlet diam. 200 mm, motor 1,1 kW 400 V 3 phase (single phase motor on request), without motor switch |
| 302-20-0002 | ZWR-04 extraction fan on portable stand, nominal airflow 1500 m³/h, inlet diam. 160 mm, outlet diam. 200 mm, motor 1,1 kW 400 V 3 phase (single phase motor on request), motor switch included |
| P07-01-0013 | Mounting bracket WSD-160 (longer version) |
| 100043 | Motor on/off switch with thermal overload protection 2,5-4A |
| 230016 | Set of transport wheels ZWR |



ZWR-05 2,2 KW



- | | |
|-------------|--|
| 302-30-0001 | ZWR-05 extraction fan, nominal airflow 2000 m³/h, inlet diam. 200 mm, outlet diam. 200 mm, motor 2,2 kW 400 V 3 phase, without motor switch |
| 302-30-0002 | ZWR-05 extraction fan on portable stand, nominal airflow 2000 m³/h, inlet diam. 200 mm, outlet diam. 200 mm, motor 2,2 kW 400 V 3 phase (single phase motor on request), motor switch included |
| P07-01-0005 | Mounting bracket WS-200 |
| 100044 | Motor on/off switch with thermal overload protection 4-6,3A |
| 230016 | Set of transport wheels ZWR |



BOXAIR BASIC – MOBILE CASSETTE FILTER

Mobile cassette filter unit Boxair Basic is designed for extraction and filtration of welding fumes and dust. Its main features are compact dimensions, solid steel construction and high maneuverability. Boxair Basic mobile filter unit consists of a pre-filter, secondary M5 class filter cartridge and a disposable F9 class main compact filter. The recommended equipment for the Boxair Basic filter unit is the Econ fume extraction arm with a range of 2 meters.

APPLICATION

- sporadic use where there is no need of constant exhaust operation
- dry dusts or fumes capture and filtration especially at welding, grinding, cutting and many more processes (excluding corrosive, chemically aggressive, explosive and flammable gaseous mixtures)

CONSTRUCTION

- aluminium impeller 0,75 kW fan unit
- three stage filtration
- filter indicator
- steel, welded and powder coated construction
- service hour meter
- ready for Econ 160



motor control panel



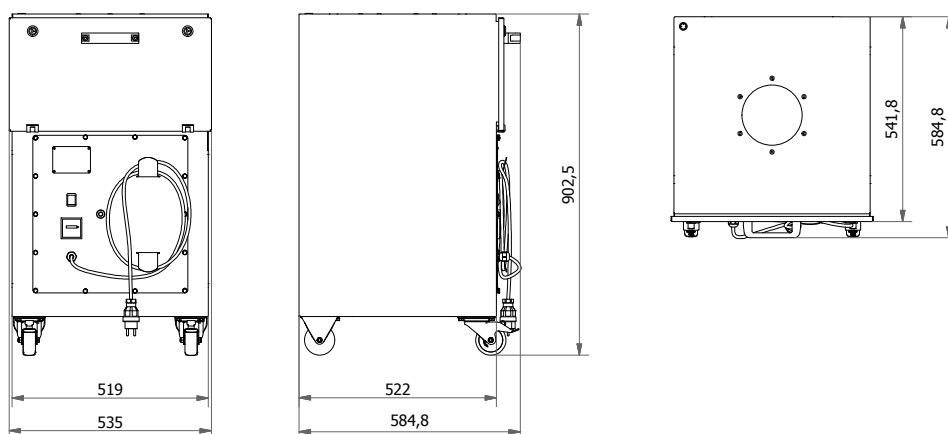
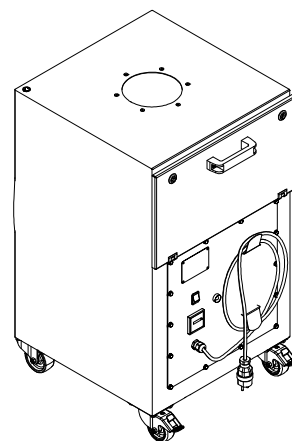
service hour meter



cassette filters kit

TECHNICAL DATA

Airflow	950 m ³ /h
Fan	0,75 kW
Fan rotation speed	2800 RPM
Standard power supply	1x 230 V +N+PE / 50 Hz, AC
Current rating	5,0 A
Weight without an arm	65,5 kg
Noise level	72 dB(A)
Filtration efficiency	95% @ 0,4 µm
Pre-filter	filtration mat
Secondary filter	M5
Main filter	F9 (6,7 m ²)



All diameters are given in mm

BOXAIR BASIC – MOBILE CASSETTE FILTER

303101540 Mobile filter unit Boxair Basic nominal efficiency 950 m³/h, including cassette filters kit, motor 0,75 kW, 230 V, 50 Hz

BOXAIR BASIC – ARMS AND OPTIONS

W02-HA-1620P Hose arm 2 m, hood inlet Ø315 mm

BOXAIR BASIC – SPARE PARTS

241493	Metal mesh spark trap
241492	Filter M5
241491	Cassette filters kit F9
241344	Swivel caster with brake 80
241345	Fixed wheel 80

BOXAIR M1 – MOBILE COMPACT FILTER

Boxair M1 is a mobile filter unit designed for extraction and filtration of fumes and dust created mainly during welding processes. Boxair M1 allows at-source air pollution capture thanks to use of fume extraction arm Econ or Oskar 160 series. Filter set consist of a metal mesh pre-filter and F9 class disposable main compact filter.

APPLICATION

- sporadic use where there is no need of constant exhaust operation
- dry dusts or fumes capture and filtration especially at welding, grinding, cutting and many more processes (excluding corrosive, chemically aggressive, explosive and flammable gaseous mixtures)

CONSTRUCTION

- aluminium impeller 1,1 kW fan unit
- two stage filtration
- filter indicator
- steel, welded and powder coated construction
- Econ 160 or Oskar 160 fume arms



pre-filter

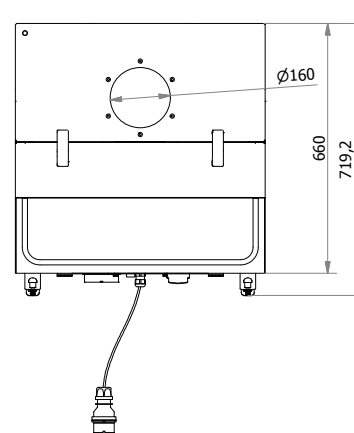
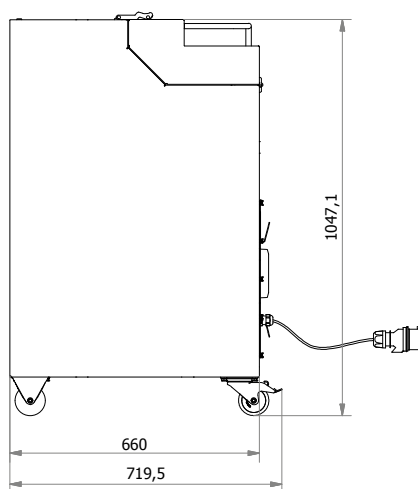
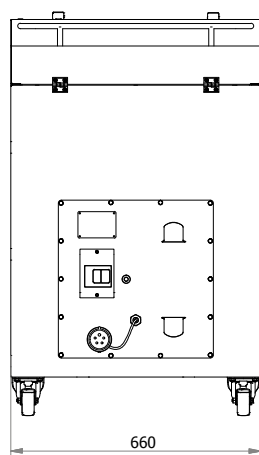
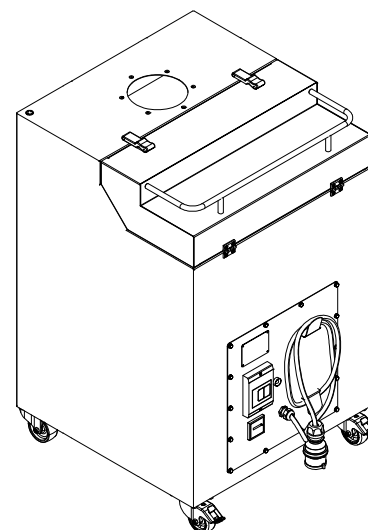


main filter



TECHNICAL DATA

Airflow	1000 m ³ /h
Fan	1,1 kW
Fan rotation speed	2800 RPM
Standard power supply	3x 400 V +N+PE / 50 Hz
Current Rating	2,7 A
Weight without arm	90 kg
Noise level	68 dB(A)
Filtration efficiency	95% @ 0,4 µm
Pre-filter	metal mesh
Main filter	F9 (11 m ²)



All diameters are given in mm

BOXAIR M1 – MOBILE FILTER UNIT FOR ONE ARM

303 101 593 Mobile filter unit Boxair M1, nominal efficiency 1000 m³/h, including metal mesh spark trap, filter cassette F9, motor 0,75 kW, 400 V, 50 Hz.

BOXAIR M1 – ARMS AND OPTIONS

W02-HA-1620P	Hose arm 2 m, hood inlet Ø315 mm
W02-HA-1630P	Hose arm 3 m, hood inlet Ø315 mm
W02-01-1620P	Oskar fume arm 1620P, reach 2 m, hood inlet Ø315 mm
W02-01-1630P	Oskar fume arm 1630P, reach 3 m, hood inlet Ø315 mm
P02-80-0101	MOD-L - light kit option with transformer for one Oskar arm

BOXAIR M1 – SPARE PARTS

242205	Cassette filter F9
242177	Metal mesh spark trap
241344	Swivel caster with brake 80
241345	Fixed wheel 80

BOXAIR M2 – MOBILE COMPACT FILTER

Boxair M2 is a mobile filter unit designed for extraction and filtration of fumes and dust created mainly during welding processes. Boxair M2 allows at-source air pollution capture thanks to use of fume extraction arm Econ or Oskar 160 series. Filter set consist of a metal mesh pre-filter and F9 class disposable main compact filter.

APPLICATION

- sporadic use where there is no need of constant exhaust operation
- dry dusts or fumes capture and filtration especially at welding, grinding, cutting and many more processes (excluding corrosive, chemically aggressive, explosive and flammable gaseous mixtures)

CONSTRUCTION

- aluminium impeller 2,2 kW fan unit
- two stage filtration
- filter indicator
- steel, welded and powder coated construction
- two Econ 160 or Oskar 160 fume arms



two 160 mm inlets



power cord holder



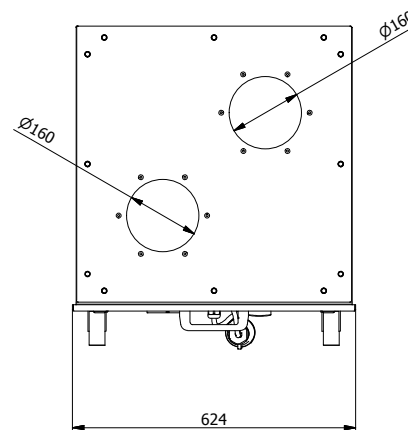
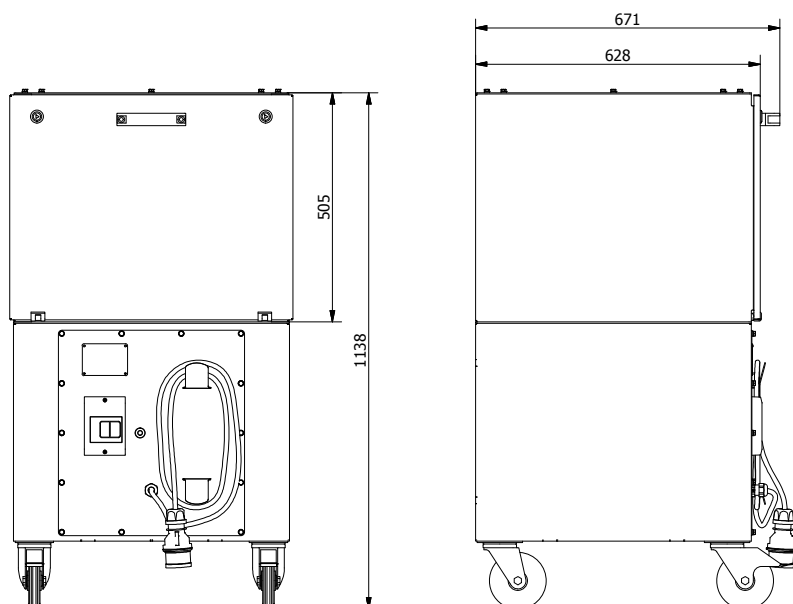
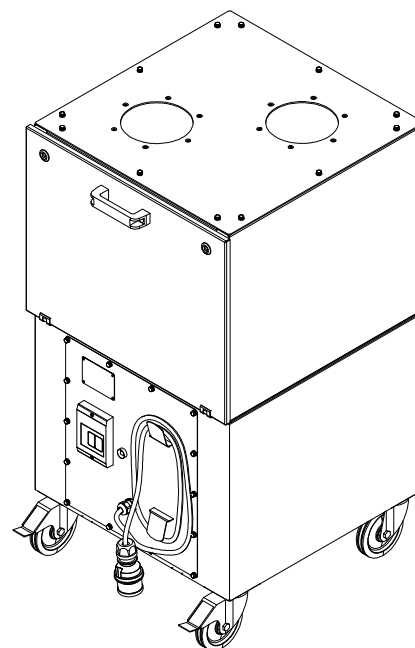
pre-filter



main filter

TECHNICAL DATA

Airflow	2000 m ³ /h
Fan	2,2 kW
Fan rotation speed	2800 RPM
Standard power supply	3x 400 V +N+PE / 50Hz
Current Rating	4,55 A
Weight without arm	90 kg
Noise level	78 dB(A)
Filtration efficiency	95% @ 0,4 µm
Pre-filter	metal mesh
Main filter	F9 (17 m ²)



All diameters are given in mm

BOXAIR M2 – MOBILE FILTER UNIT FOR TWO ARMS

303101663 Mobile filter unit Boxair M2, nominal efficiency 2000 m³/h, including metal mesh spark trap, filter cassette F9, motor 2,2 kW, 400 V, 3 phase.

BOXAIR M2 – ARMS AND OPTIONS

W02-HA-1620P	2 hose arms 2 m, hood inlet Ø315 mm
W02-01-1620P	2 Oskar fume arms 1620P, reach 2 m, hood inlet Ø315 mm
P02-80-0201	MOD-L - light kit option with transformer for two Oskar arms

BOXAIR M2 – SPARE PARTS

241377	Cassette filter F9
242207	Metal mesh spark trap
M03-23-0004	Swivel caster with brake 125
M03-23-0003	Swivel caster without brake 125

ROLLOUT – MOBILE CARTRIDGE FILTER

Rollout Mobile Cartridge Filter is designed to exhaust and filter dry air borne pollutants especially at welding, grinding, polishing, cutting of metals and plastics. Rollout features 3 stage filtration with metal mesh prefilter (spark-trap), main cartridge filter and outlet activated carbon filter. Standard manual (timer in option) regeneration system is can be used to clean main cartridge during filter operation. Rollout is advised for most demanding applications where the constant exhaust and filter operation is required. We recommend Oskar 160 2 or 3 m models as a at source capture devices with Rollout filters. Optional configurations feature LED lights built-in Oskar arm hood as well as photosensor triggered automatic operation.

APPLICATION

- dry dusts or fumes capture and filtration especially at welding, grinding, cutting and many more processes (excluding corrosive, chemically aggressive, explosive and flammable gaseous mixtures)
- designed for continuous operation at heaviest and most demanding applications

CONSTRUCTION

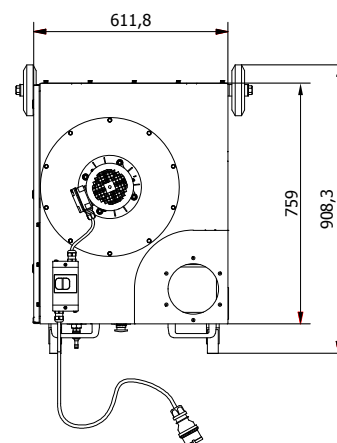
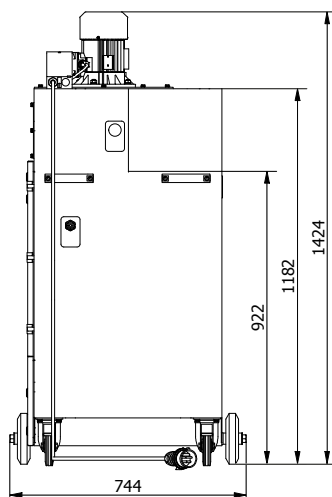
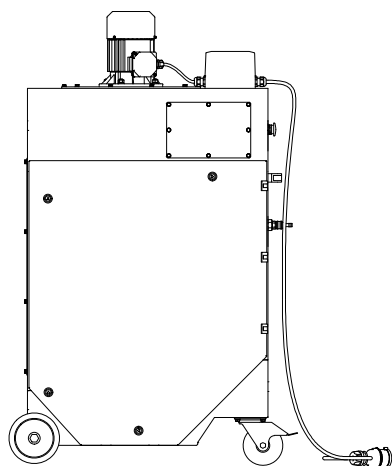
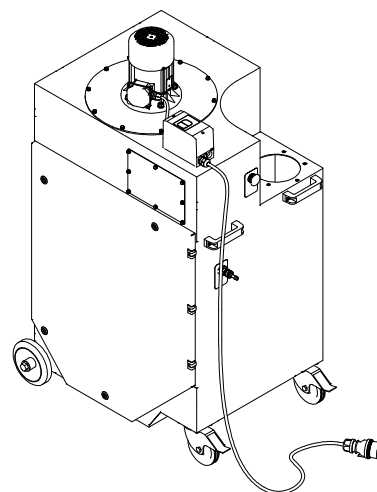
- aluminium impeller 1,1 kW fan unit
- three stage filtration
- standard manual compressed air cartridge cleaning system
- 10 litre compressed air tank
- easy access dust drawers
- simple cartridge maintenance and exchange
- 2 swivel casters with brakes for more mobility
- heavy duty welded and powder coated construction



HEMI PLEAT EX
EXTREME
EXTREME FILTRATION
TECHNOLOGY INSIDE

TECHNICAL DATA

Airflow	1000 m ³ /h
Fan	1,1 kW
Fan rotation speed	2800 RPM
Standard power supply	3x 400 V +N+PE / 50 Hz, AC
Current Rating	2,7 A
Weight without arm	125 kg
Noise level	72 dB(A)
Filtration efficiency	95% @ 0,4 µm
Pre-filter	metal mesh
Main filter	cartridge filter (18,3 m ²)
Outlet filter	G4 activated carbon material



All diameters are given in mm

ROLLOUT – MOBILE CARTRIDGE FILTER

303101967	Mobile cartridge filter unit Rollout, nominal airflow 1000 m ³ /h. Including metal mesh spark trap, main filter cartridge 18,3 m ² , activated carbon impregnated outlet filter, motor 1,1 kW, 400 V, 3 phase, 10 l compressed air tank, manual compressed air cleaning for main cartridge regeneration.
-----------	--

ROLLOUT – ARMS AND OPTIONS

W02-01-1620P	Oskar fume arm 1620P, reach 2 m, hood inlet Ø315 mm
W02-01-1630P	Oskar fume arm 1630P, reach 3 m, hood inlet Ø315 mm
W02-HA-1620P	Hose arm 2 m, hood inlet Ø315 mm
W02-HA-1630P	Hose arm 3 m, hood inlet Ø315 mm
P02-80-0101	MOD-L - light kit option with transformer for one Oskar arm
P02-80-0102	MOD-A + ZAR-A - light kit and automatic (welding arc triggered) fan start/stop option for one Oskar arm
P02-80-0301	TC-1 - timer controlled compressed air cleaning operation

ROLLOUT – SPARE PARTS

242080	Main filter cartridge - 18,3 m ²
242079	Main filter cartridge - 12 m ²
240672	Outlet filter (activated carbon impregnated material) G4
240007	Metal mesh spark trap
M03-23-0004	Swivel caster with brake 125
M03-23-0007	Wheel 160

GIANT 2 – MOBILE FILTER WITH COMPRESSED AIR CARTRIDGE SELF-CLEANING SYSTEM

Giant 2 Mobile Cartridge Filter is designed to exhaust and filter dry air borne pollutants especially at welding, grinding, polishing, cutting of metals and plastics. Giant 2 features 3 stage filtration with metal mesh prefilter (spark-trap), main cartridge filter and outlet activated carbon filter. Standard manual (timer in option) regeneration system is can be used to clean main cartridge during filter operation. Giant 2 is advised for most demanding applications where the constant exhaust and filter operation is required. We recommend Oskar 160 or Oskar 200 of 2 or 3 m reach standing models as at source capture devices for Giant filters. Optional configurations feature LED lights built-in Oskar arm hood as well as photosensor triggered automatic operation.

APPLICATION

- dry dusts or fumes capture and filtration especially at welding, grinding, cutting and many more processes (excluding corrosive, chemically aggressive, explosive and flammable gaseous mixtures)
- designed for continuous operation at heaviest and most demanding applications

CONSTRUCTION

- aluminium impeller 2,2 kW fan unit
- three stage filtration
- standard manual compressed air cartridge cleaning system
- 20 litre compressed air tank
- easy access dust drawers
- simple cartridge maintenance and exchange
- 2 swivel casters with brakes for more mobility
- heavy duty welded and powder coated construction

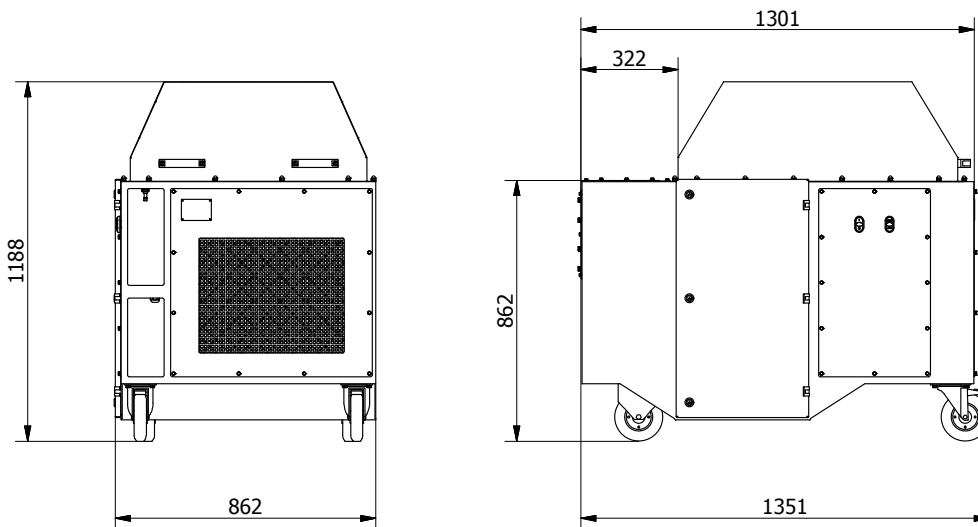
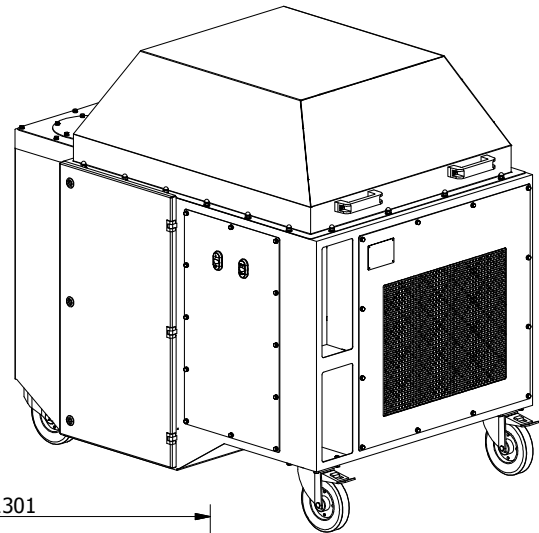


**EXTREME FILTRATION
TECHNOLOGY INSIDE**



TECHNICAL DATA

Airflow	2000 m ³ /h
Fan	2,2 kW
Fan rotation speed	2800 RPM
Standard power supply	3x 400 V +N+PE / 50 Hz, AC
Current Rating	4,55 A
Weight without arm	215 kg
Noise level	75 dB(A)
Filtration efficiency	99% @ 0,5 µm
Pre-filter	metal mesh
Main filter	2 x cartridge filter (36,6 m ²)
Outlet filter	G4 activated carbon material



All diameters are given in mm

GIANT 2 – MOBILE CARTRIDGE FILTER

303 101 964 Mobile cartridge filter unit Giant 2, nominal airflow 2000 m³/h. Including metal mesh spark trap, main filter cartridge 36,6 m², activated carbon impregnated outlet filter, motor 2,2 kW, 400 V, 50 Hz, 20 l compressed air tank, manual compressed air cleaning for main cartridge regeneration.

GIANT 2 – ARMS AND OPTIONS

W02-01-2020P	Oskar fume arm 2020P, reach 2 m, hood inlet Ø350 mm
W02-01-2030P	Oskar fume arm 2030P, reach 3 m, hood inlet Ø350 mm
W02-01-1620P	2 Oskar fume arms 1620P, reach 2 m, hood inlet Ø315 mm
W02-01-1630P	2 Oskar fume arms 1630P, reach 3 m, hood inlet Ø315 mm
W02-HA-1620P	2 hose arms 2 m, hood inlet Ø315 mm
W02-HA-1630P	2 hose arms 3 m, hood inlet Ø315 mm
P02-80-0101	MOD-L - light kit option with transformer for one Oskar arm
P02-80-0102	MOD-A + ZAR-A - light kit and automatic (welding arc triggered) fan start/stop option for one Oskar arm
P02-80-0201	MOD-L - light kit option with transformer for two Oskar arms
P02-80-0202	MOD-A + ZAR-A - light kit and automatic (welding arc triggered) fan start/stop option for two Oskar arms
P02-80-0301	TC-1 - Timer controlled compressed air cleaning operation

GIANT 2 – SPARE PARTS

242080	Main filter cartridge - 18,3 m ²
242079	Main filter cartridge - 12 m ²
240672	Outlet filter (activated carbon impregnated material) G4
240007	Metal mesh spark trap
M03-23-0005	Swivel caster with brake 160
M03-23-0006	Wheel 200

CRAWLAIR M – MOBILE CARTRIDGE FILTER

Crawlair M mobile cartridge filter is designed to exhaust and filter dry impurities like fume or dust at various industrial processes (especially at welding, grinding, polishing, cutting of metals or plastics). Crawlair M is equipped with metal mesh spark trap pre-filter and two high efficiency (99% at 1µm) polyester filter cartridges which are washed with built-in manual (optional timer controlled) compressed air cartridge cleaning system (10 litre tank built-in). Thanks to large rear wheels, two swivel casters with brakes and pull handle moving with Crawlair around work area is easy and simple. Oskar 160 fume arm models or Econ 160 hose arms are recommended for at-source fume capture. Additional front air inlet allows connections to other production equipment. As an option Crawlair unit can be equipped with automatic start/stop function and LED light for Oskar fume arms.

APPLICATION

- dry dusts or fumes capture and filtration especially at welding, grinding, cutting and many more processes (excluding corrosive, chemically aggressive, explosive and flammable gaseous mixtures)
- ideal for retrofitting and upgrading production equipment with small dimension dust and fumes collecting system

CONSTRUCTION

- aluminium impeller 1,1 kW fan unit
- two filtration stages
- built-in standard compressed air cartridge cleaning system
- 10 litre compressed air tank
- standard waste and dust drawers
- easy filter module maintenance and exchange
- 2 swivel casters with brakes
- heavy duty welded and powder coated construction
- works with Oskar and Econ 160 fume arm models
- additional inlet on the side



simple to maintain filter module



practical top surface



built-in compressed air cartridge cleaning system



extra air inlet on side wall



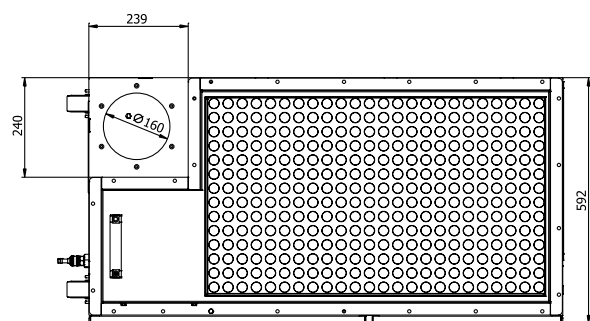
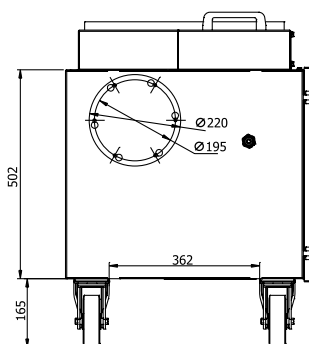
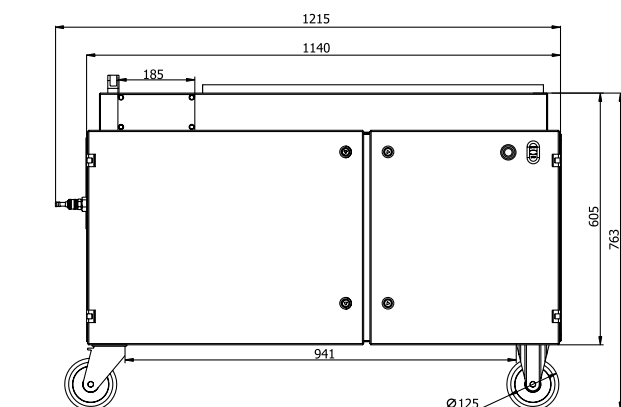
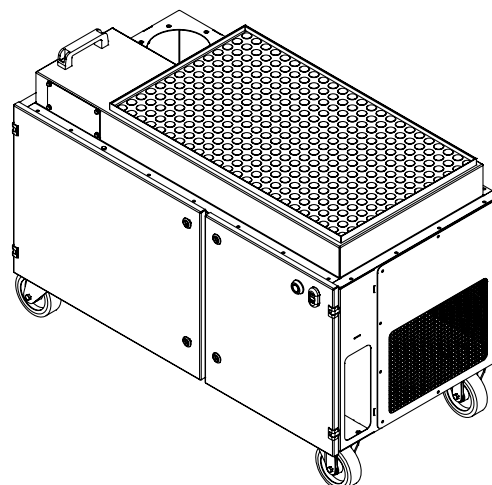
backward inclined blade radial impeller fan unit



power cable compartment

TECHNICAL DATA

Airflow	1000 m ³ /h
Fan	1,1 kW
Fan rotation speed	2800 RPM
Standard power supply	3x 400 V +N+PE / 50 Hz, AC
Current Rating	2,7 A
Weight without arm	110 kg
Noise level	72 dB(A)
Filtration efficiency	99% @ 0,5 µm
Pre-filter	metal mesh
Main filter	2 x cartridge filter (12 m ²)



All diameters are given in mm

CRAWLAIR M – MOBILE CARTRIDGE FILTER

303100017 Mobile cartridge filter unit Crawlair, nominal airflow 1000 m³/h. Including metal mesh spark trap, 2 main polyester cartridges, motor 1,1 kW, 400 V, 50 Hz, 10 l compressed air tank, manual compressed air cleaning for main cartridge regeneration.

CRAWLAIR M – ARMS AND OPTIONS

W02-01-1617P	Oskar fume arm 1617P, reach 1,7 m, hood inlet Ø315 mm
W02-01-1620P	Oskar fume arm 1620P, reach 2 m, hood inlet Ø315 mm
W02-01-1630P	Oskar fume arm 1630P, reach 3 m, hood inlet Ø315 mm
W02-HA-1620P	Hose arm 2 m, hood inlet Ø315 mm
W02-HA-1630P	Hose arm 3 m, hood inlet Ø315 mm
P02-80-0101	MOD-L - light kit option with transformer for one Oskar arm
P02-80-0102	MOD-A + ZAR-A - light kit and automatic (welding arc triggered) fan start/stop option for one Oskar arm
P02-80-0301	TC-1 - timer controlled compressed air cleaning operation

CRAWLAIR M – SPARE PARTS

240006	Polyester cartridge
240007	Metal mesh spark trap
M03-23-0004	Swivel caster with brake 125
M03-23-0013	Fixed wheel 125

CRAWLAIR O – OVERHEAD CARTRIDGE FILTER

Crawlair Overhead cartridge filter is designed for dry air pollution control like fume or dust at various industrial processes (especially at welding, grinding, polishing, cutting of metals or plastics). Crawlair Overhead is equipped with metal mesh spark trap filter and two high efficiency (99% at 1µm) polyester filter cartridges which are washed with built-in manual (optional timer controlled) compressed air cartridge cleaning system (10 litre tank built-in). Oskar hanging fume arm models 1620, 1630 or Econ hose arms H1620, H1630 are recommended choice for Crawlair Overhead. As an option Crawlair O can be equipped with automatic start/stop function and LED light-kit for Oskar fume arm.

APPLICATION

- dry dusts or fumes capture and filtration especially at welding, grinding, cutting and many more processes (excluding corrosive, chemically aggressive, explosive and flammable gaseous mixtures)
- designed for continuous operation at heaviest and most demanding applications
- ideal for retrofitting and upgrading production equipment with small dimension dust and fumes collecting system

CONSTRUCTION

- aluminium impeller 1,1 kW fan unit
- inlets from bottom, side and top
- two filtration stages
- built-in standard compressed air cartridge cleaning system
- 10 litre compressed air tank
- standard waste and dust drawers
- easy filter maintenance and exchange
- heavy duty welded and powder coated construction
- works with 160 fume arm models



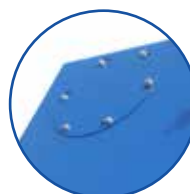
simple to maintain filter module



bottom inlet for duct,
flex hose or fume arm



built-in compressed air cartridge
cleaning system



additional side and top air inlets



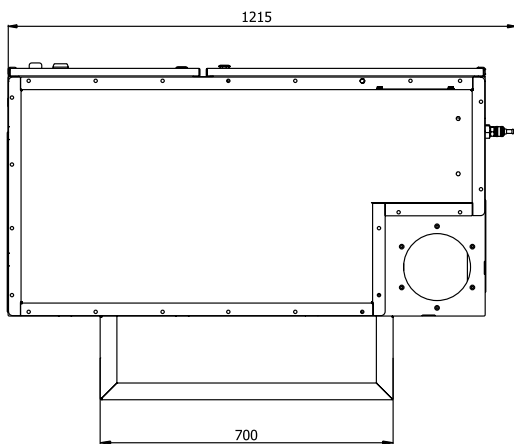
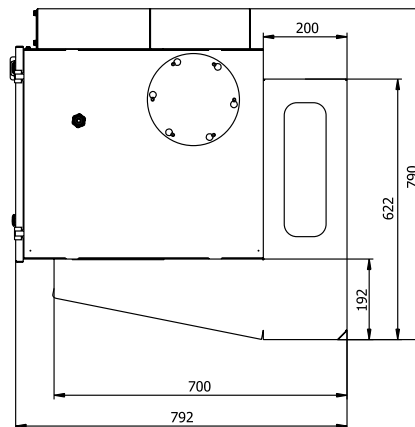
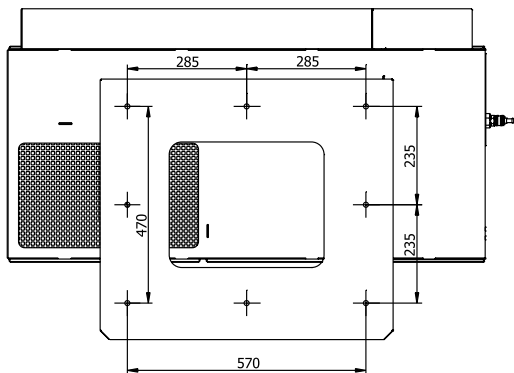
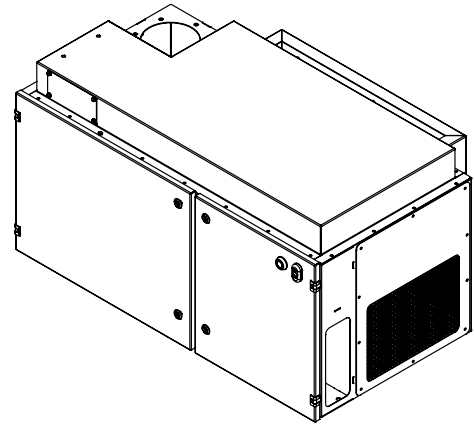
aluminium radial impeller
1,1 kW fan unit



wall bracket

TECHNICAL DATA

Airflow	1000 m ³ /h
Fan	1,1 kW
Fan rotation speed	2800 RPM
Standard power supply	3x 400 V +N+PE / 50 Hz, AC
Current Rating	2,7 A
Weight without arm	110 kg
Noise level	72 dB(A)
Filtration efficiency	99% @ 0,5 µm
Pre-filter	metal mesh
Main filter	2 x cartridge filter (12 m ²)



All diameters are given in mm

CRAWLAIR O – OVERHEAD FILTER UNIT

303101642	Mobile cartridge filter unit Crawlair for over head mounting, nominal airflow 1000 m ³ /h. Including metal mesh spark trap, 2 main polyester cartridges, motor 1,1 kW, 400 V, 50 Hz, 10 l compressed air tank, manual compressed air cleaning for main cartridge regeneration. Set of wall mounting brackets included.
-----------	---

CRAWLAIR O – ARMS AND OPTIONS

W02-01-1620	Oskar fume arm 1620, reach 2 m, hood inlet Ø315 mm
W02-01-1630	Oskar fume arm 1630, reach 3 m, hood inlet Ø315 mm
W02-HA-1620	Hose arm model HA1620, reach 2 m, hood inlet Ø315 mm
W02-HA-1630	Hose arm model HA1630, reach 3 m, hood inlet Ø315 mm
P02-80-0101	MOD-L - light kit option with transformer for one Oskar arm
P02-80-0102	MOD-A + ZAR-A - light kit and automatic (welding arc triggered) fan start/stop option for one Oskar arm
P02-80-0301	TC-1 - timer controlled compressed air cleaning operation
100 046	Set of Crawlair O wall brackets

CRAWLAIR O – SPARE PARTS

240006	Polyester cartridge
240007	Metal mesh spark trap

S-1000 - WELDING TABLE WITH ARM AND DOWNDRAFT EXHAUST

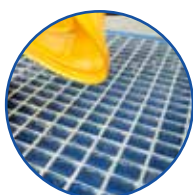
S-1000 welding table is a work station equipped with air pollution capture and exhaust devices which appear with workshop processes (especially during welding). S-1000 table frame, made of heavy duty square profiles, features built-in downdraft exhaust, fume arm connection inlet and ZWR-03 aluminium radial impeller fan unit. Downdraft exhaust and fume arm individual dampers allow airflow adjustments as fan unit transports air pollution to the outside of premises (discharge installation must be connected). Surface of the S-1000 welding table has been coated with conductive corrosion protection and grounding table can be connected on left or right side of the table frame. S-1000 welding table complete sets are offered with revolving table for more productive work on smaller elements.

APPLICATION

- heavy duty workbench with two exhausts for welding, cutting, grinding and many more for those who require reliable and long operational life time equipment
- air pollution capture with down draft and within range of fume arm

CONSTRUCTION

- aluminium radial impeller 0,75 kW fan unit
- rigid, heavy duty, welded steel construction
- downdraft with-in the table surface
- easy to adjust airflow with two built in dampers (within the arm and table)
- revolving table on the table surface
- all parts powder coated (except for work surface)
- works with 160 fume arm models
- model technical data sheet



downdraft with heavy duty grate



standard shelf



ready for Oskar 160
or Econ 160 fume arms



revolving table



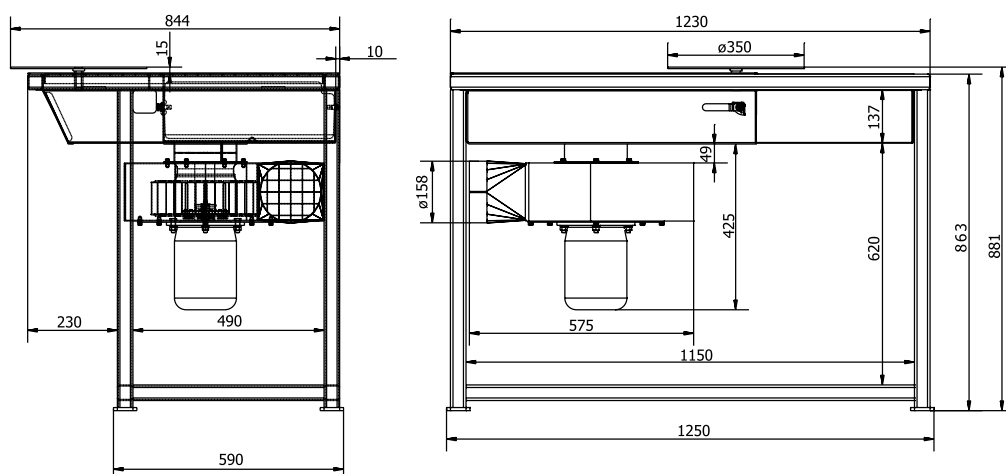
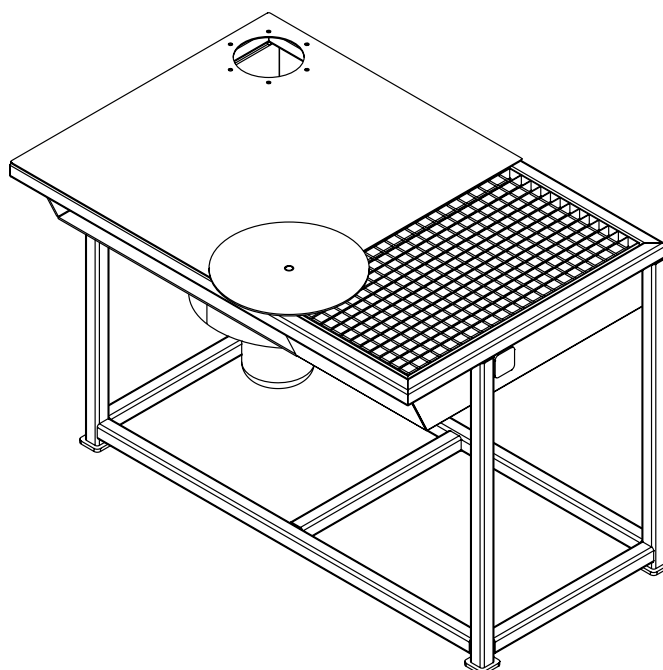
aluminium
radial impeller fan



grounding connection

TECHNICAL DATA

Airflow	1000 m ³ /h
Weight (without arm)	120 kg
Noise level	76 dB(a)
Motor power supply (voltage)	3x400 V / 50 Hz
Motor power	0,75 kW



All diameters are given in mm

S-1000 WELDING TABLE

304101576	S-1000 welding bench equipped with ZWR-03 extraction fan 0,75 kW, 400 V, 3 phase (single phase on request) and ZAR-WS motor switch. Rigid welded metal table frame with down draft built-in. Unit without the arm - to be chosen from arms and options below.
-----------	---

S-1000 WELDING TABLE – ARMS AND OPTIONS

W02-01-1617P	Oskar fume arm 1617, reach 1,7 m, hood inlet Ø315 mm
W02-01-1620P	Oskar fume arm 1620, reach 2 m, hood inlet Ø315 mm
W02-01-1630P	Oskar fume arm 1630, reach 3 m, hood inlet Ø315 mm
W02-HA-1620P	Hose arm model HA1620, reach 2 m, hood inlet Ø315 mm
W02-HA-1630P	Hose arm model HA1630, reach 3 m, hood inlet Ø315 mm
P02-80-0101	Light kit option (MOD-L) with transformer for one Oskar arm
P02-80-0102	Light kit and automatic (welding arc triggered) fan start/stop option for one Oskar arm MOD-A + ZAR-A
P07-01-3001	Revolving table for workbench
100160	Walls around the back and side the workbench surface option

SF-1000 – WELDING TABLE WITH EXHAUST AND FILTRATION

SF-1000 welding table is a work station equipped with capture, exhaust and filtration system which protects from air pollution appearing with workshop processes (especially during welding). SF-1000 table frame, made of heavy duty square profiles, features built-in downdraft exhaust, fume arm connection inlet and ZWR-03 aluminium radial impeller fan unit. Downdraft exhaust and fume arm individual dampers allow airflow adjustments. Capture air pollution is transported to Crawlair filter unit which purifies air through preliminary filter and cartridge filter module. Crawlair filter unit feature cartridge regeneration system which can be run manually or with optional timer. Surface of the SF-1000 welding table has been coated with conductive corrosion protection and grounding cable can be connected to left or right side of the table frame. SF-1000 welding table complete sets are offered with revolving table for more productive work on smaller elements.

APPLICATION

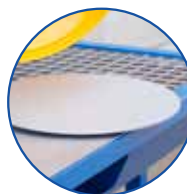
- heavy duty workbench with two exhausts for welding, cutting, grinding and many more for those who require reliable and long operational life time equipment
- air pollution capture with down draft and within range of fume arm

CONSTRUCTION

- 1,1 kW Crawlair filter unit
- rigid, heavy duty, welded steel construction
- downdraft with-in the table surface
- easy to adjust airflow with two built in dampers (within the arm and table)
- revolving table on the table surface
- all parts powder coated (except for work surface)
- works with 160 fume arm models



ready for Oskar 160
or Econ 160 fume arms



revolving table



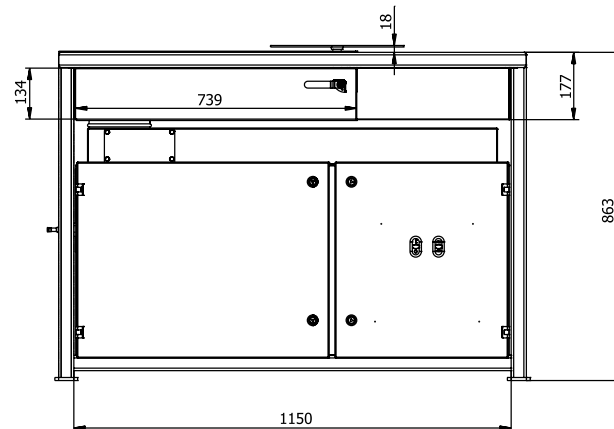
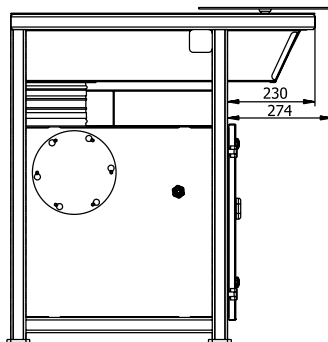
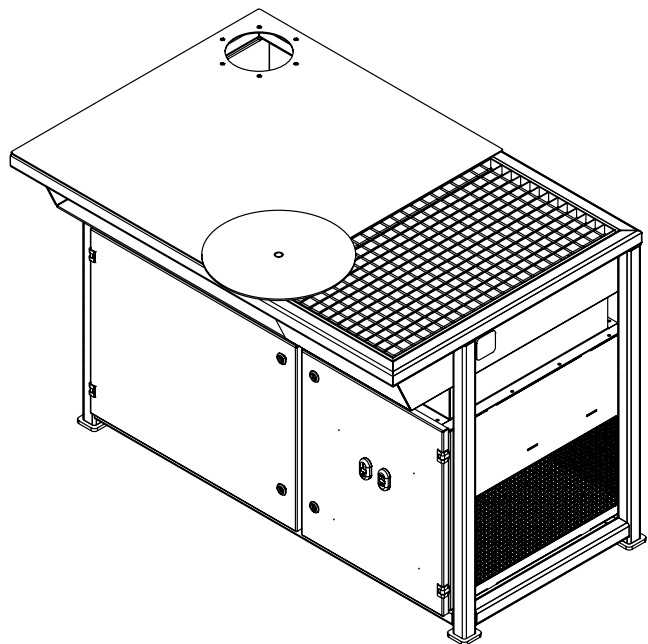
additional inlet on side



grounding connection

TECHNICAL DATA

Airflow	1000 m ³ /h
Weight (without arm)	140 kg
Motor power supply (voltage)	3x400 V / 50 Hz
Motor power	1,1 kW
Noise level	73 dB(a)
Compressed air tank	10 dm ³
Filtration efficiency	99% @ 0,5 µm
Pre-filter	metal mesh
Main filter	2 x cartridge filter (12 m ²)



All diameters are given in mm

SF-1000 WORKBENCH / WELDING TABLE

304 101 641 SF-1000 welding bench equipped with Crawlair filter unit 3 phase. Rigid welded metal table frame with down draft built-in. Unit without the arm - to be chosen from arms and options below.

SF-1000 WORKBENCH / WELDING TABLE – ARMS AND OPTIONS

W02-01-1617P	Oskar fume arm 1617, reach 1,7 m, hood inlet Ø315 mm
W02-01-1620P	Oskar fume arm 1620, reach 2 m, hood inlet Ø315 mm
W02-01-1630P	Oskar fume arm 1630, reach 3 m, hood inlet Ø315 mm
W02-HA-1620P	Hose arm model HA1620, reach 2 m, hood inlet Ø315 mm
W02-HA-1630P	Hose arm model HA1630, reach 3 m, hood inlet Ø315 mm
P02-80-0101	MOD-L - light kit option with transformer for one Oskar arm
P02-80-0102	MOD-A + ZAR-A - light kit and automatic (welding arc triggered) fan start/stop option for one Oskar arm
P02-80-0301	TC-1 - timer controlled compressed air cleaning operation
P07-01-3001	Revolving table for workbench
100160	Walls around the back and side the workbench surface option

SF-1000 WORKBENCH / WELDING TABLE – SPARE PARTS

P01-80-0005	Polyester cartridge 255
P01-81-0002	Metal mesh spark trap

KLIMAROLL – SPRING RECOIL AND ELECTRIC MOTOR DRIVEN EXHAUST HOSE REELS

Basic Klimaroll exhaust hose reels application is extraction of car fumes in garages, car repair and maintenance shops or car showrooms. Thanks to Klimaroll exhaust hose reel you will maintain order in the workplace and, with easy to operate flexible hose, you will be able to locate and exhaust air pollution at source. When the exhaust hose is not longer needed simply wind it back on the hose reel which you can mount on the wall or under the ceiling.

Spring recoil Klimaroll SP allows for automatic hose return of the hose and desired hose length can be chosen with use of built-in ratchet mechanism.

Klimaroll E models, equipped with electric motor, are easy to work with use of up/down on-wall switch (models EP) or remote controller (models ER).

Standard hose reels are equipped with 102, 127, 157 diameter and 10 m length crash-proof flexible hoses which are up to 150°C.

APPLICATION

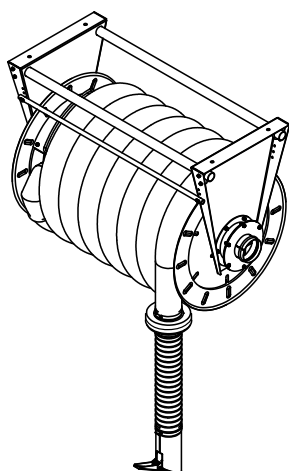
- car exhaust fumes capture and extraction
- air pollution capture and exhaust in hard to reach areas (example technological structures, tanks, containers)
- air pollution capture and exhaust in the range up to 10m
- exhaust of gas mixtures up 150°C hot (for higher temperature resistance up to 300°C contact Oskar Air Products representative)

CONSTRUCTION

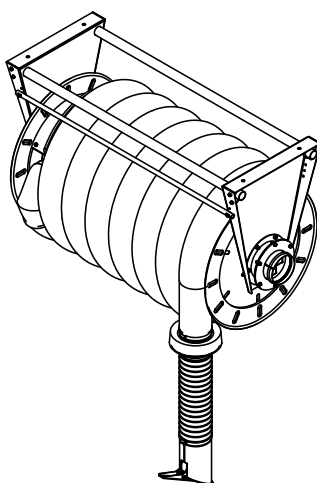
- hose reel construction - powder coated welded steel
- hose reel drum made - galvanized steel sheet
- standard crash proof and up to 150°C resistant hoses

ADDITIONAL INFORMATION

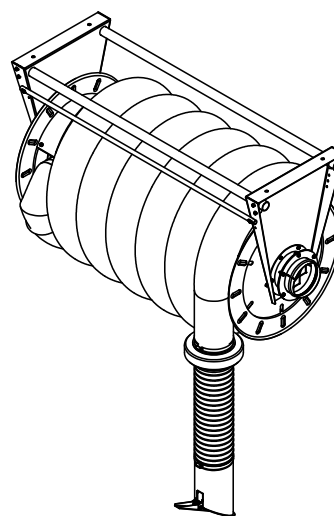
- Klimaroll hose reels are ready to work with ZWR fan units
- other hose lengths on request
- accessories and exhaust pipe nozzles (including rubber models) on request



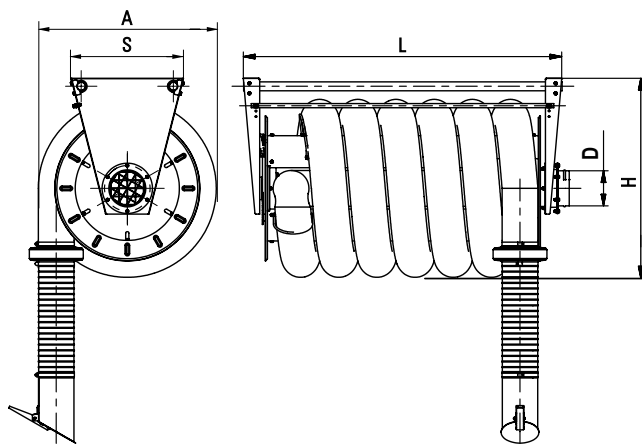
Klimaroll 10010



Klimaroll 12510

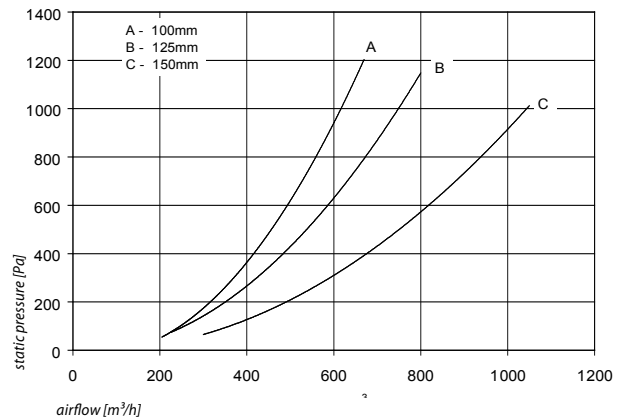


Klimaroll 15010



KLIMAROLL – DIAMETERS (MM)

	W04-SP-10010 W04-NP-10010 W04-NR-10010	W04-SP-12510 W04-NP-12510 W04-NR-12510	W04-SP-15010 W04-NP-15010 W04-NR-15010
A	700	750	799
D	100	125	150
H	800	825	850
L	1080	1260	1360
S	479	479	479



EXHAUST HOSE REEL 100

- W04-SP-10010 Spring recoiled exhaust Exhaust hose reel type 100 for 10 m of flexible hose (without hose and nozzle)
W04-NP-10010 Motor driven Exhaust hose reel type 100 for 10 m of flexible hose with on-wall control (without hose and nozzle)
W04-NR-10010 Motor driven Exhaust hose reel type 100 for 10 m of flexible hose with remote control (without hose and nozzle)

EXHAUST HOSE REEL 100 – HOSE AND NOZZLE

- M03-21-4100 Flexible hose for automotive fumes diameter 102 mm , length 10 m
P04-00-9502 Exhaust hose reel 100 stainless nozzle
Rubber stopper 100

EXHAUST HOSE REEL 125

- W04-SP-12510 Spring recoiled exhaust Exhaust hose reel type 125 for 10 m of flexible hose (without hose and nozzle)
W04-NP-12510 Motor driven Exhaust hose reel type 125 for 10 m of flexible hose with on-wall control (without hose and nozzle)
W04-NR-12510 Motor driven Exhaust hose reel type 125 for 10 m of flexible hose with remote control (without hose and nozzle)

EXHAUST HOSE REEL 125 – HOSE AND NOZZLE

- M03-21-4101 Flexible hose for automotive fumes diameter 127 mm , length 10 m
P04-00-9501 Exhaust hose reel 125 stainless nozzle
Rubber stopper 125

EXHAUST HOSE REEL 150

- W04-SP-15010 Spring recoiled exhaust Exhaust hose reel type 150 for 10 m of flexible hose (without hose and nozzle)
W04-NP-15010 Motor driven Exhaust hose reel type 150 for 10 m of flexible hose with on-wall control (without hose and nozzle)
W04-NR-15010 Motor driven Exhaust hose reel type 150 for 10 m of flexible hose with remote control (without hose and nozzle)

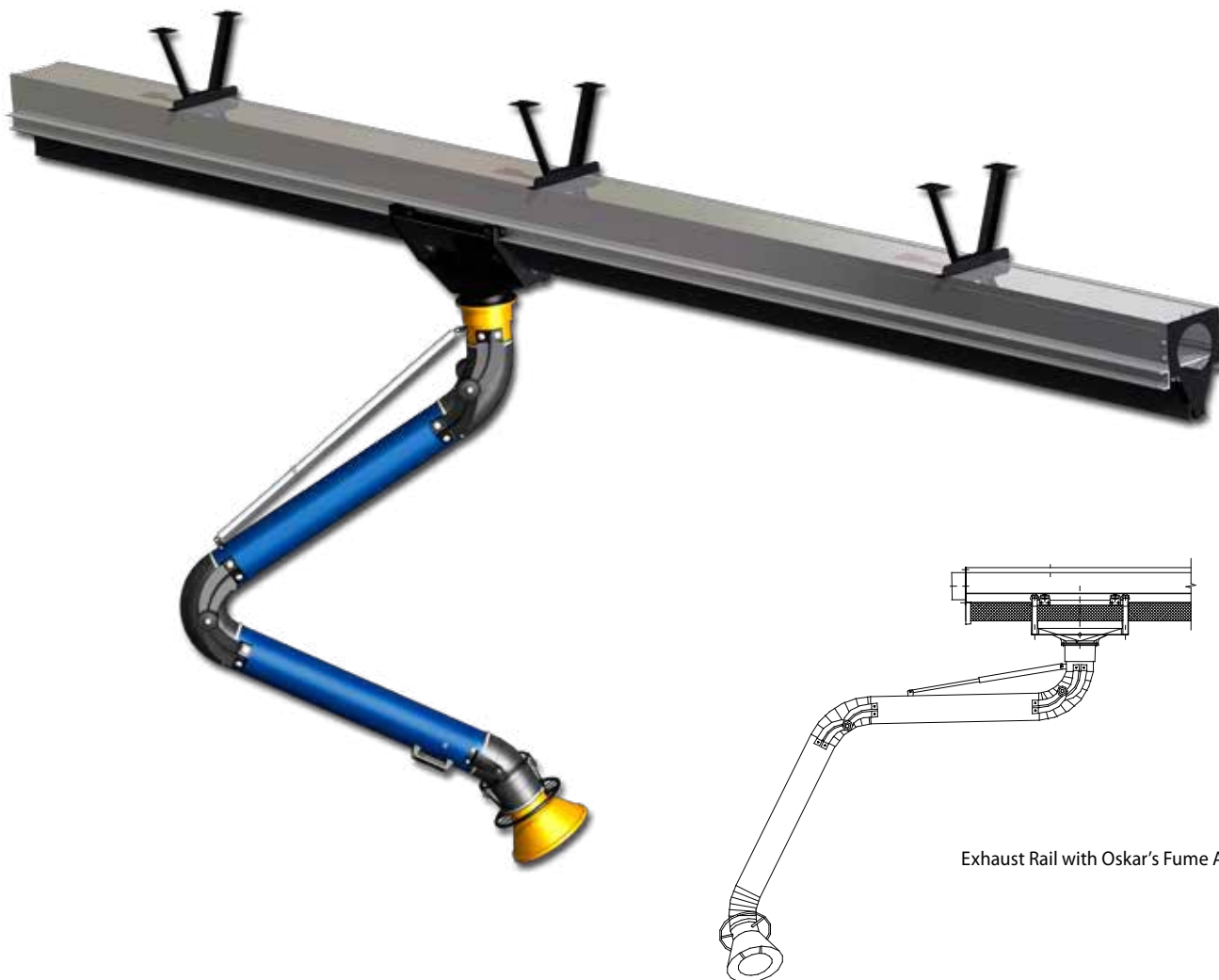
EXHAUST HOSE REEL 150 – HOSE AND NOZZLE

- M03-21-4102 Flexible hose for automotive fumes diameter 152 mm , length 10 m
P04-00-9503 Exhaust hose reel 150 stainless nozzle
Rubber stopper 150

SLIDING SUCTION RAIL SSR

Oskar sliding suction rail has been designed to allow transport of fume extraction equipment (fume arms or hose drops) between air pollution sources. SSR suction rail is used with manual and automatic welding, machining as well as automotive exhausts in car repair facilities. Thanks to sliding suction rail one or two fume extraction sets can be moved between number of air pollution emissions.

Sliding suction rail main construction element is standard 4 meter long segment made of aluminium profiles, reinforcements and exhaust trolley (standard inlet dia. 160 mm) travelling between self-sealing rubber flap. Suction rail segments can be connected together to form long movable extraction systems. Trolley ready to use with Oskar fume extraction arm or hose drop (set of elastic hose, nozzle and balancer).



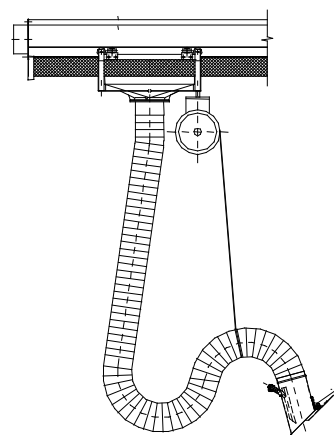
Exhaust Rail with Oskar's Fume Arm

APPLICATION

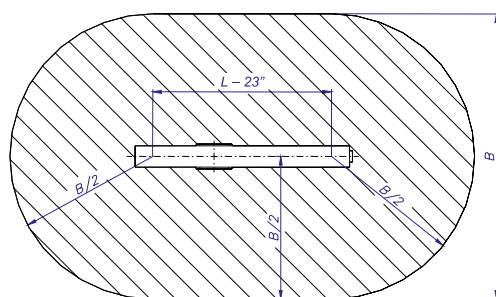
- source fume extraction (fume arms, hose drops) on long distances
- car, diesel, welding fumes and dust transport

CONSTRUCTION

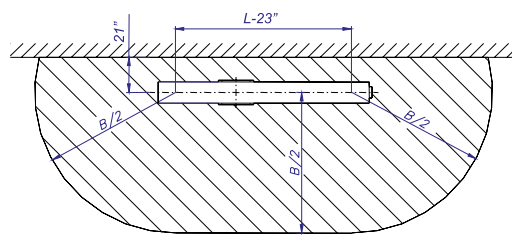
- suction rail segment made of light aluminium profiles
- self-sealing rubber flaps
- rigid welded metal trolley
- brackets of ceiling or wall montage



Exhaust Rail
with flexible hose for extraction combustion
gases



Ceiling montage



Wall montage

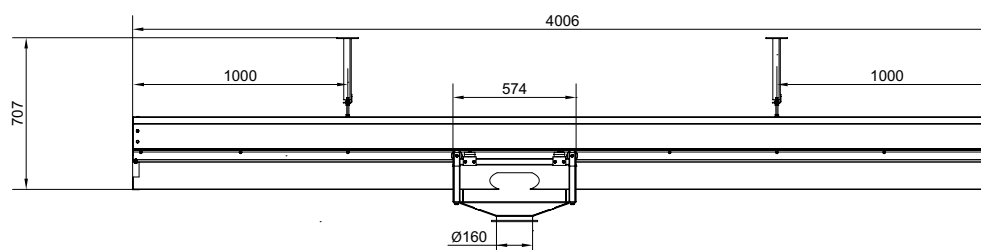
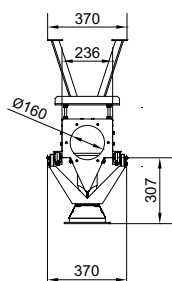
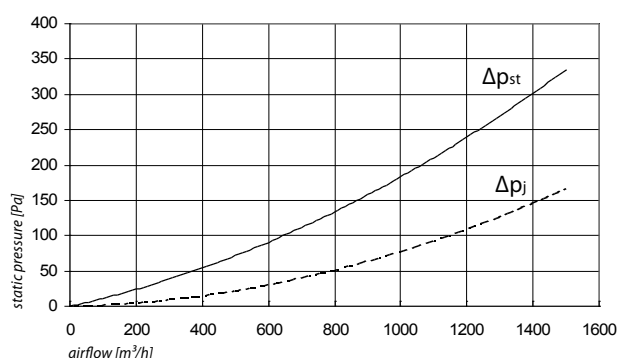
L – length of duct

B – width of working area for H min:

up to 3 m for Fume Arm 1620, up to 5 m for Fume Arm 1630, up to 10 m for 6 m flexible hose.

Δp_{st} - permanent flow resistance [Pa]

Δp_j - separate flow resistance per meter of channel [Pa/m]



SLIDING SUCTION RAIL

W08-01-0004	Sliding suction rail segment 4 m long
W08-01-0002	Sliding suction rail segment 2 m long
P08-00-0905	Trolley for sliding suction rail with 160 mm flange
P08-01-0001	Ceiling mounting bracket for sliding suction rail (one needed per each 2 m)
P08-01-0002	Wall mounting bracket for sliding suction rail (1 pcs per each 2 m)
P08-02-0001	Blank cap for sliding suction rail
P08-02-0002	End cap for sliding exhaust rail with 160 mm outlet
P08-00-0904	Connection plate for sliding suction rail (two needed per each rail segment connection)

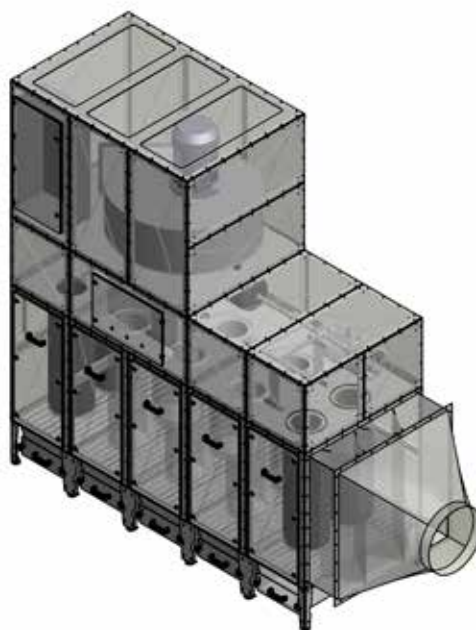
MODULAR FILTER SYSTEM FPM

Standard FPM system has been designed for collection of non-explosive and chemically non-aggressive dry dusts arising at many industrial processes. Thanks to highly efficient separation degree clean air can be returned (depending on type of process) back to production premises.

Filter unit construction features filter base with dust collection drawers, filter cartridge chamber and compressed air cartridge cleaning chamber. Exhaust fan can be delivered mounted on top (with or with-in noise proof enclosure) or mounted free standing on the side of the filter unit.

Modular FPM construction allows custom configurations tailored to application requirements as well as to conditions of installation site or way of delivery. Modular filter parts are powder coated and galvanized for corrosion protection (antistatic coating available as separate option). FPM configurations are complemented with cartridge filters, which proper selection provides total filtration surface adequate to type of air pollutant as well as to air flow capacity.

Though FPM system has been primarily designed for welding smoke, cutting, grinding of metals and plastics, it can be used with many other industrial dry dust applications. Configurations up to FPM-12 has been listed in the main product catalogue. For larger configurations up to FPM-24 and larger please contact Oskar Air Products office or our representative.

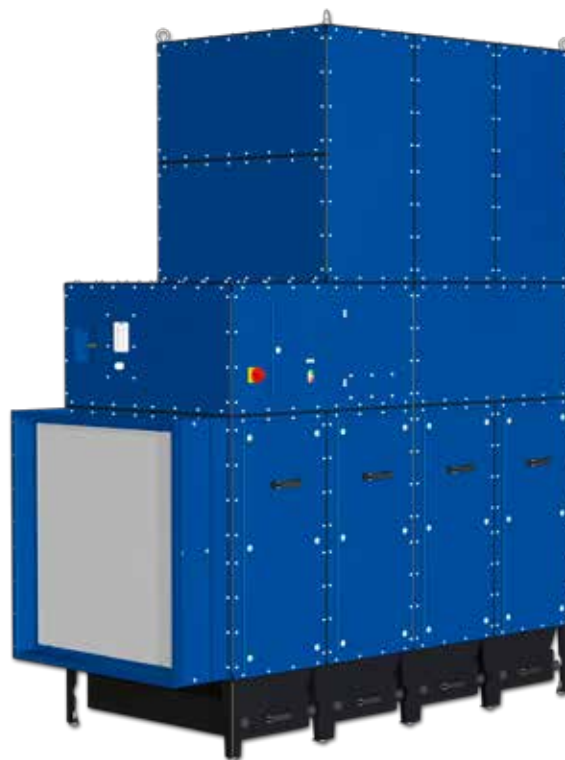


APPLICATION

- extraction and purification of air containing dry dusts generated during operations such as welding, grinding, polishing, sifting, milling as well as metal and plastics cutting
- standard FPM construction for dust collection with exclusion of corrosive, chemically aggressive or explosive contaminants

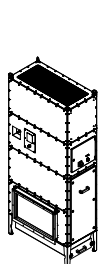
CONSTRUCTION

- rigid welded framing with reinforced metal plating
- powder coat and galvanize corrosion protection
- vertical filter cartridges
- compressed air cleaning with tank built-in
- easy and safe cartridge maintenance
- large capacity dust drawers

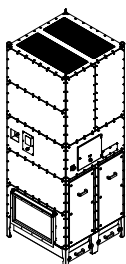


CENTRAL FILTRATION SYSTEM

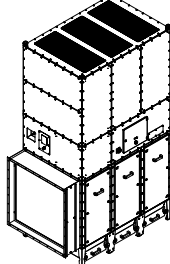
FPM-2a



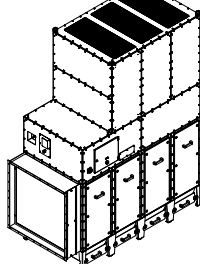
FPM-4



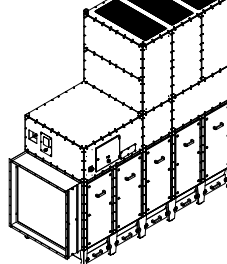
FPM-6



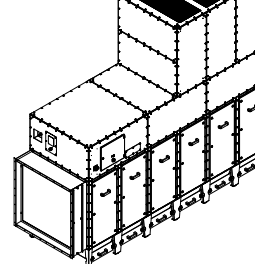
FPM-8



FPM-10



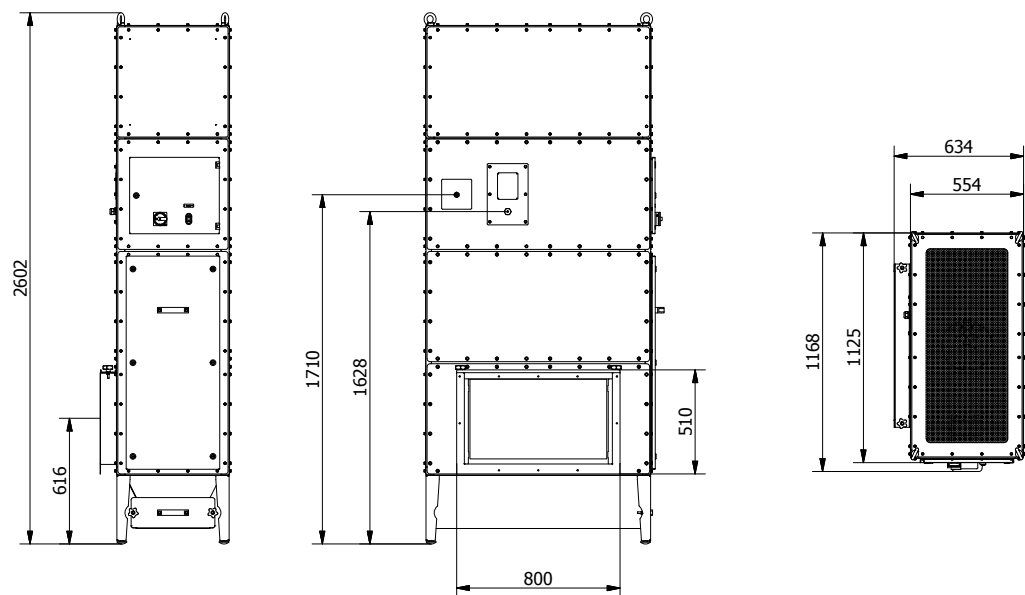
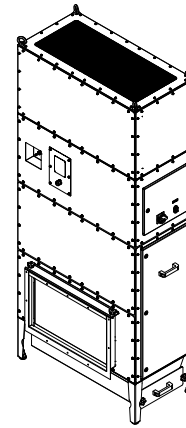
FPM-12



FPM-2A – SINGLE CARTRIDGE ACCESS DOOR

FPM-2A is a dry dust filter unit. FPM modular design allows customizing, rearrangements as well as construction adjustments required by application or installation site conditions.

- 2 main filter cartridges of 26 / 32 / 36,6 / 60,4 m² (available separately),
- single door on short side,
- 2,2 kW fan built-in soundproof housing on top, nominal airflow 2000 m³/h,
- automatic cartridge cleaning system,
- modular inlet part with metal mesh prefilter,
- 20 dm³ dust collection drawer,
- legs with level adjustment,
- optional summer/winter outlet configuration.



All diameters are given in mm

MODULAR FILTER UNIT FPM-2A

- | | |
|-----------|---|
| 306100111 | FPM-2A modular filter unit with 2000 m ³ /h exhaust fan mounted in noise enclosure. Motor 2,2 kW, 400 V, 3-phase with on/off switch. Automatic cartridge cleaning system. Single cartridge access door on short side. Prefilter module with metal mesh prefilter and 200 mm diameter inlet part. Outlet through top wall. Frame black RAL9005, side modules blue RAL5010 powder coat. Other elements galvanized. Without main filter cartridges - configurations of total filtration surface 26 / 32 / 36,6 / 60,4 m ² to be chosen separately. |
| 306101111 | FPM-2A modular filter unit with 2000 m ³ /h exhaust fan mounted in noise enclosure. Motor 2,2 kW, 400 V, 3-phase VFD controlled. Automatic cartridge cleaning system. Single cartridge access door on short side. Prefilter module with metal mesh prefilter and 200 mm diameter inlet part. Outlet through top wall. Frame black RAL9005, side modules blue RAL5010 powder coat. Other elements galvanized. Without main filter cartridges - configurations of total filtration surface 32 up to 48 m ² of to be chosen separately. |

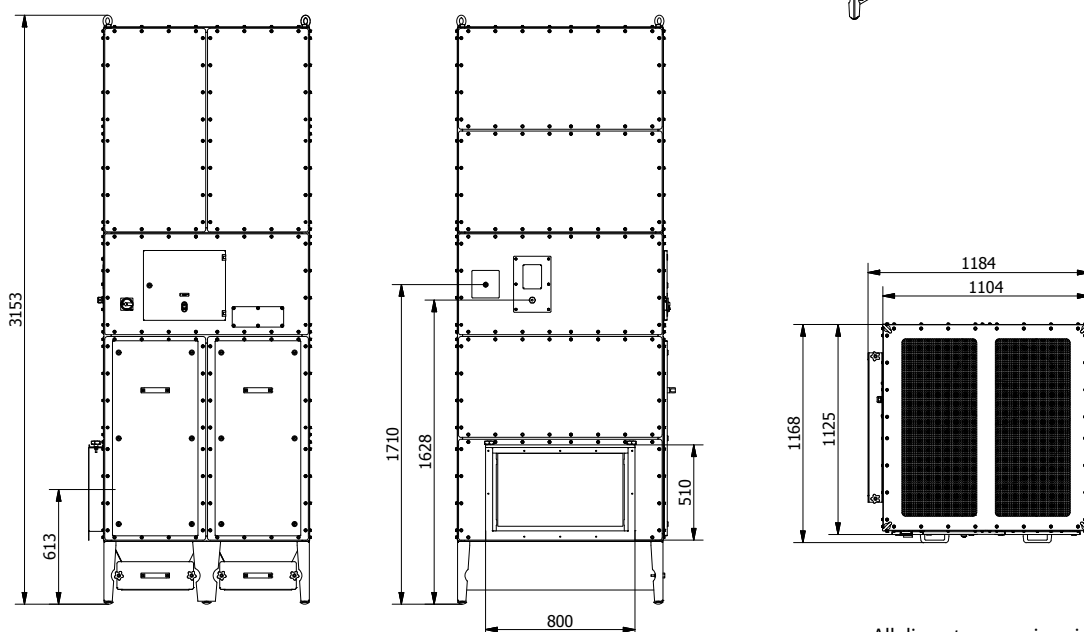
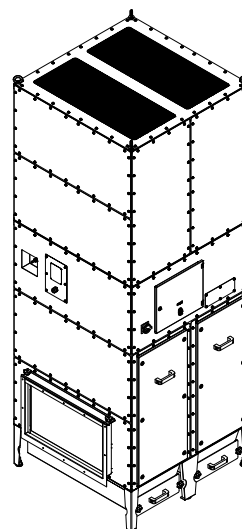
FPM-2A ACCESSORIES AND OPTIONS

- | | |
|-----------|---|
| 306001220 | FPM inlet part 250 mm |
| 306009180 | FPM-02 summer/winter outlet option. Multisurface dampers on both sides of fan compartment. |
| 306220002 | Antistatic powder coating finish (internal use) with additional grounding wiring option for FPM-02. |

FPM-4 – MODULAR CARTRIDGE FILTER SYSTEM

FPM-4 is a filter system design for dry dust air pollution. FPM modular design allows customizing, rearrangements as well as construction adjustments required by application or installation site conditions.

- 4 main filter cartridges of 52 / 64 / 73,2 / 120,8 m² (available separately),
- automatic cartridge cleaning system,
- modular inlet part with metal mesh prefilter,
- two dust collection drawers (20 dm³ each),
- legs with level adjustment,
- fan assemblies with VFD (frequency controllers)
- optional summer/winter outlet configuration.



All diameters are given in mm

FPM-4 FILTER ASSEMBLY

- 306100113 FPM-4 modular filter assembly for 4 cartridges. Automatic cartridge cleaning system. Prefilter module including metal mesh prefilter, without inlet part. Powder coating frame black RAL9005, side modules blue RAL5010. Other elements galvanized. Without main filter cartridges - configurations of total filtration surface 52 / 64 / 73,2 / 120,8 m² to be chosen separately.

FPM-4 FAN ASSEMBLY

- 302101144 Fan assembly 4 kW / 400 V / 3ph / 50Hz, 4000 m³/h, 18000-2500 Pa, with-in noise enclosure, including VFD control unit.
 302101145 Fan assembly 5,5 kW / 400 V / 3ph / 50Hz, 6000 m³/h, 1800-2500 Pa, with-in noise enclosure, including VFD control unit.
 302100144 Fan assembly 4 kW / 400 V / 3ph / 50Hz, 4000 m³/h, 18000-2500 Pa, without noise enclosure, including VFD control unit.
 302100145 Fan assembly 5,5 kW / 400 V / 3ph / 50Hz, 6000 m³/h, 1800-2500 Pa, without noise enclosure, including VFD control unit.

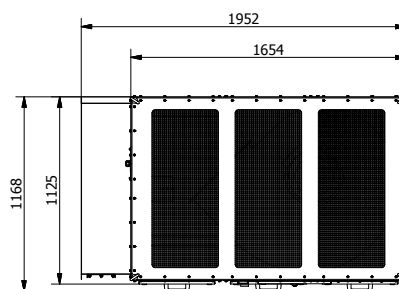
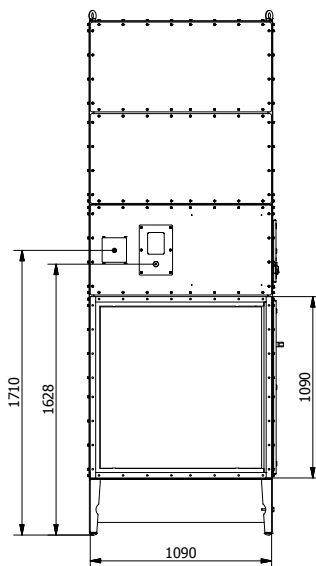
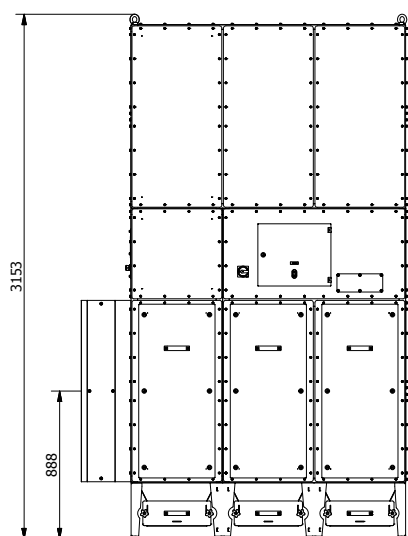
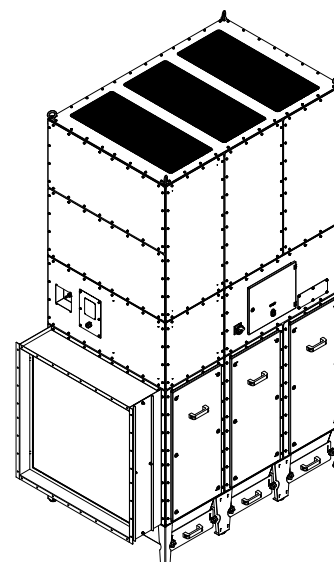
FPM-4 ACCESSORIES AND OPTIONS

- 306100123 FPM inlet part A 800x490 D315 mm (recommended for 4000 m³/h).
 306100124 FPM inlet part A 800x490 D400 mm (recommended for 6000 m³/h).
 306 220 004 Antistatic powder coating finish (internal use) with additional grounding wiring option for FPM-04.

FPM-6 – MODULAR CARTRIDGE FILTER SYSTEM

FPM-6 is a filter system design for dry dust air pollution. FPM modular design allows customizing, rearrangements as well as construction adjustments required by application or installation site conditions.

- 6 main filter cartridges of 78 / 96 / 109,8 / 181,2 m² (available separately),
- automatic cartridge cleaning system,
- modular inlet part with metal mesh prefilter,
- three dust collection drawers (20 dm³ each),
- legs with level adjustment,
- fan assemblies with VFD (frequency controllers)
- optional summer/winter outlet configuration.



All diameters are given in mm

FPM-6 FILTER ASSEMBLY

- 306100114 FPM-6 modular filter assembly for 6 cartridges. Automatic cartridge cleaning system. Prefilter module including metal mesh prefilter, without inlet part. Powder coating frame black RAL9005, side modules blue RAL5010. Other elements galvanized. Without main filter cartridges - configurations of total filtration surface 78 / 96 / 109,8 / 181,2 m² of to be chosen separately.

FPM-6 FAN ASSEMBLY

- 302101145 Fan assembly 5,5 kW / 400 V / 3 ph / 50 Hz, 6000 m³/h, 1800-2500 Pa, with-in noise enclosure, including VFD control unit.
- 302101148 Fan assembly 7,5 kW / 400 V / 3 ph / 50Hz, 8000 m³/h, 1800-2500 Pa, with-in noise enclosure, including VFD control unit.
- 302100145 Fan assembly 5,5 kW / 400 V / 3 ph/50Hz, 6000 m³/h, 1800-2500 Pa, without noise enclosure, including VFD control unit.
- 302100148 Fan assembly 7,5 kW / 400 V / 3 ph / 50Hz, 8000 m³/h, 1800-2500 Pa, without noise enclosure, including VFD control unit.

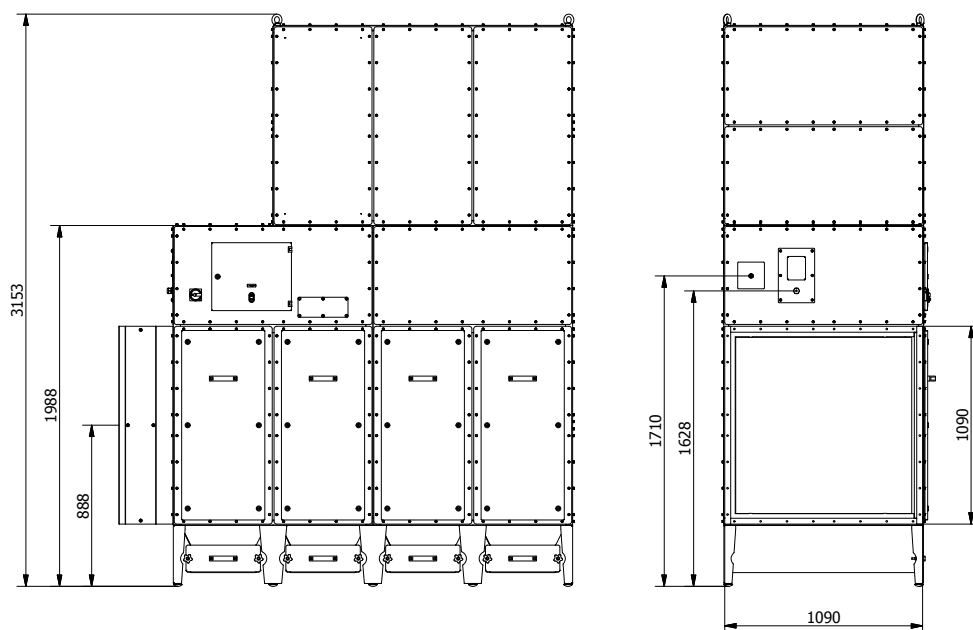
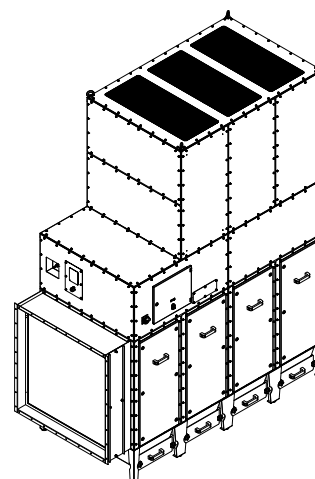
FPM-6 ACCESSORIES AND OPTIONS

- 306101045 FPM inlet/outlet part B 11100x1100 D400 mm (recommended for 6000 m³/h).
- 306101046 FPM inlet/outlet part B 11100x1100 D450 mm (recommended for 8000 m³/h).
- 306220006 Antistatic powder coating finish (internal use) with additional grounding wiring option for FPM-06.

FPM-8 – MODULAR CARTRIDGE FILTER SYSTEM

FPM-8 is a filter system design for dry dust air pollution. FPM modular design allows customizing, rearrangements as well as construction adjustments required by application or installation site conditions.

- 8 main filter cartridges of 104 / 128 / 146,4 / 241,6 m² (available separately),
- automatic cartridge cleaning system,
- modular inlet part with metal mesh prefilter,
- four dust collection drawers (20 dm³ each),
- legs with level adjustment,
- fan assemblies with VFD (frequency controllers)
- optional summer/winter outlet configuration.



All diameters are given in mm

FPM-8 FILTER ASSEMBLY

- 306100115 FPM-8 modular filter assembly for 8 cartridges. Automatic cartridge cleaning system. Prefilter module including metal mesh prefilter, without inlet part. Powder coating frame black RAL9005, side modules blue RAL5010. Other elements galvanized. Without main filter cartridges - configurations of total filtration surface 104 / 128 / 146,4 / 241,6 m² to be chosen separately.

FPM-8 FAN ASSEMBLY

- 302101148 Fan assembly 7,5 kW / 400 V / 3ph / 50Hz, 8000 m³/h, 1800-2500 Pa, with-in noise enclosure, including VFD control unit.
 302101150 Fan assembly 11 kW / 400 V / 3ph / 50Hz, 10000 m³/h, 1800-2500 Pa, with-in noise enclosure, including VFD control unit.
 302100148 Fan assembly 7,5 kW / 400 V / 3ph / 50Hz, 8000 m³/h, 1800-2500 Pa, without noise enclosure, including VFD control unit.
 302100150 Fan assembly 11 kW / 400 V / 3ph / 50Hz, 10000 m³/h, 1800-2500 Pa, without noise enclosure, including VFD control unit.

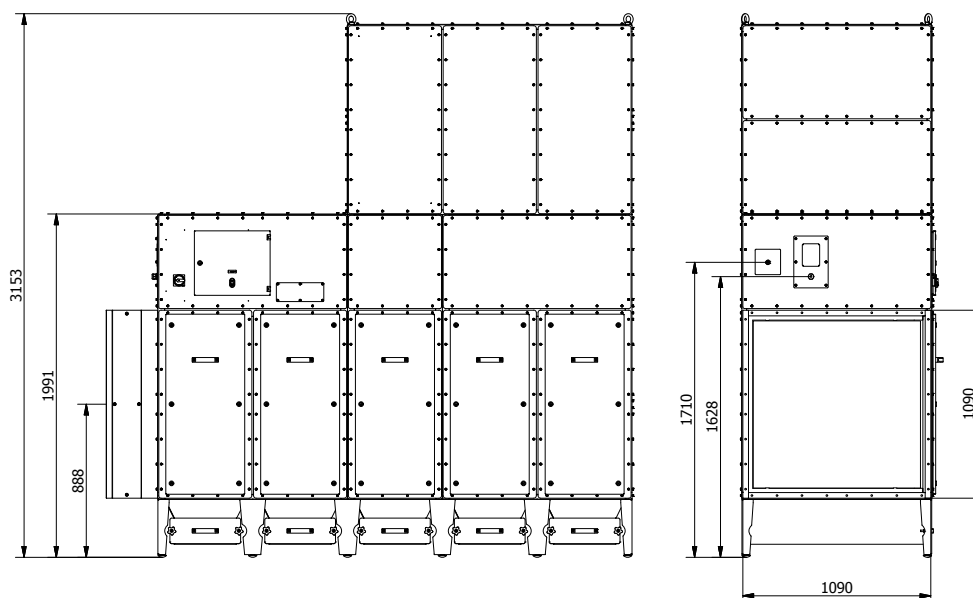
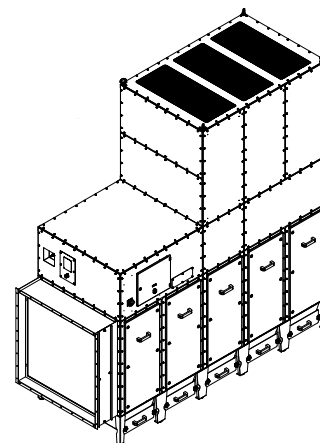
FPM-8 ACCESSORIES AND OPTIONS

- 306101046 FPM inlet/outlet part B 11100x1100 D450 mm (recommended for 8000 m³/h).
 306101051 FPM inlet/outlet part B 11100x1100 D500 mm (recommended for 10000 m³/h).
 306220008 Antistatic powder coating finish (internal use) with additional grounding wiring option for FPM-08.

FPM-10 – MODULAR CARTRIDGE FILTER SYSTEM

FPM-10 is a filter system design for dry dust air pollution. FPM modular design allows customizing, rearrangements as well as construction adjustments required by application or installation site conditions.

- 10 main filter cartridges of 130 / 160 / 183 / 302 m² (available separately),
- automatic cartridge cleaning system,
- modular inlet part with metal mesh prefilter,
- five dust collection drawers (20 dm³ each),
- legs with level adjustment,
- fan assemblies with VFD (frequency controllers)
- optional summer/winter outlet configuration.



All diameters are given in mm

FPM-10 FILTER ASSEMBLY

- 306100116 FPM-10 modular filter assembly for 10 cartridges. Automatic cartridge cleaning system. Prefilter module including metal mesh prefilter, without inlet part. Powder coating frame black RAL9005, side modules blue RAL5010. Other elements galvanized. Without main filter cartridges - configurations of total filtration surface 130 / 160 / 183 / 302 m² to be chosen separately.

FPM-10 FAN ASSEMBLY

- 302101148 Fan assembly 7,5 kW / 400 V / 3ph / 50Hz, 8000 m³/h, 1800-2500 Pa, with-in noise enclosure, including VFD control unit.
- 302101150 Fan assembly 11 kW / 400 V / 3ph / 50Hz, 10000 m³/h, 1800-2500 Pa, with-in noise enclosure, including VFD control unit.
- 302101145 Fan assembly 15 kW / 400 V / 3ph / 50Hz, 12000-14000 m³/h, 1800-2500 Pa, with-in noise enclosure, including VFD control unit.
- 302100148 Fan assembly 7,5 kW / 400 V / 3ph / 50Hz, 8000 m³/h, 1800-2500 Pa, without noise enclosure, including VFD control unit.
- 302100150 Fan assembly 11 kW / 400 V / 3ph / 50Hz, 10000 m³/h, 1800-2500 Pa, without noise enclosure, including VFD control unit.
- 302100145 Fan assembly 15 kW / 400 V / 3ph / 50Hz, 12000-14000 m³/h, 1800-2500 Pa, without noise enclosure, including VFD control unit.

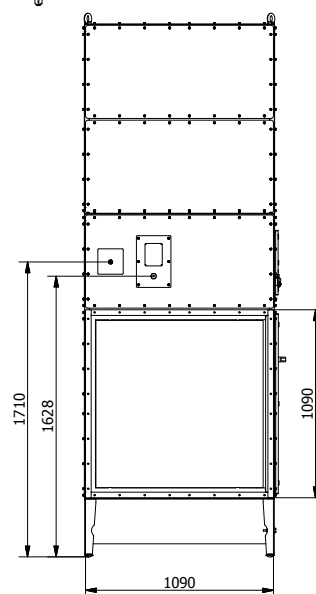
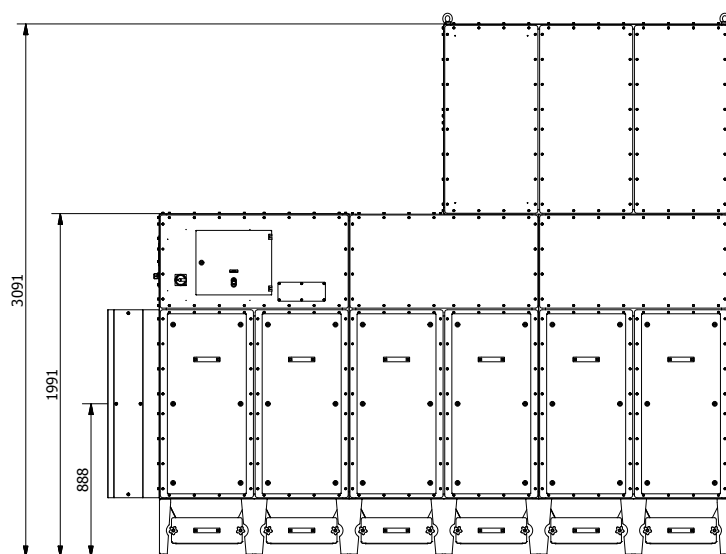
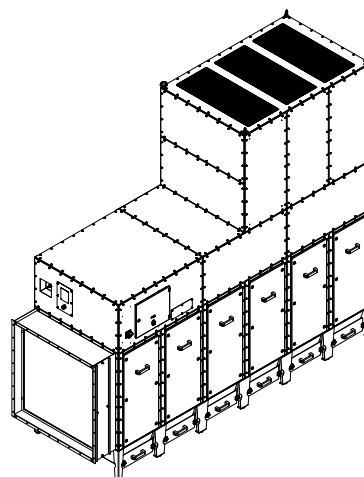
FPM-10 ACCESSORIES AND OPTIONS

- 306101046 FPM inlet/outlet part B 11100x1100 D450 mm (recommended for 8000 m³/h).
- 306101951 FPM inlet/outlet part B 11100x1100 D500 mm (recommended for 10000 m³/h).
- 306101053 FPM inlet/outlet part B 11100x1100 D560 mm (recommended for 12000-14000 m³/h).
- 306220010 Antistatic powder coating finish (internal use) with additional grounding wiring option for FPM-10.

FPM-12 – MODULAR CARTRIDGE FILTER SYSTEM

FPM-12 is a filter system design for dry dust air pollution. FPM modular design allows customizing, rearrangements as well as construction adjustments required by application or installation site conditions.

- 12 main filter cartridges of 156 / 192/ 219,6 / 362,4 m² (available separately),
- automatic cartridge cleaning system,
- modular inlet part with metal mesh prefilter,
- six dust collection drawers (20 dm³ each),
- legs with level adjustment,
- fan assemblies with VFD (frequency controllers)
- optional summer/winter outlet configuration.



All diameters are given in mm

FPM-12 FILTER ASSEMBLY

- 306100117 FPM-12 modular filter assembly for 12 cartridges. Automatic cartridge cleaning system. Prefilter module including metal mesh prefilter, without inlet part. Powder coating frame black RAL9005, side modules blue RAL5010. Other elements galvanized. Without main filter cartridges - configurations of total filtration surface 156 / 192/ 219,6 / 362,4 m² to be chosen separately.

FPM-12 FAN ASSEMBLY

- 302101148 Fan assembly 7,5 kW / 400 V / 3ph / 50Hz, 8000 m³/h, 1800-2500 Pa, with-in noise enclosure, including VFD control unit.
- 302101150 Fan assembly 11 kW / 400 V / 3ph / 50Hz, 10000 m³/h, 1800-2500 Pa, with-in noise enclosure, including VFD control unit.
- 302101145 Fan assembly 15 kW / 400 V / 3ph / 50Hz, 12000-14000 m³/h, 1800-2500 Pa, with-in noise enclosure, including VFD control unit.
- 302100148 Fan assembly 7,5 kW / 400 V / 3ph / 50Hz, 8000 m³/h, 1800-2500 Pa, without noise enclosure, including VFD control unit.
- 302100150 Fan assembly 11 kW / 400 V / 3ph / 50Hz, 10000 m³/h, 1800-2500 Pa, without noise enclosure, including VFD control unit.
- 302100145 Fan assembly 15 kW / 400 V / 3ph / 50Hz, 12000-14000 m³/h, 1800-2500 Pa, without noise enclosure, including VFD control unit.

FPM-12 ACCESSORIES AND OPTIONS

- 306101046 FPM inlet/outlet part B 11100x1100 D450 mm (recommended for 8000 m³/h).
- 306101051 FPM inlet/outlet part B 11100x1100 D500 mm (recommended for 10000 m³/h).
- 306101053 FPM inlet/outlet part B 11100x1100 D560 mm (recommended for 12000-14000 m³/h).
- 306220012 Antistatic powder coating finish (internal use) with additional grounding wiring option for FPM-12.

