

SRA

*for welding
fume*



**Clean air,
high performance**



**The SRA series,
exhaust and filter
systems for
welding fumes**

**Air handling equipment for environmental
and health protection**

Saturation filter units with replacement filters

Mobile and stationary units designed for extracting and filtering fumes generated during manual welding jobs, for welding machines and welding robots. Ideal for the extraction at frequently changing work places for everyday use.

The saturation filter units are equipped with a combination of spark protection filter, pre-filter, particle filter class F9 or H13 with a dust separation efficiency of up to 99,95 %.

Product	Air flow max. m ³ /h	Vaccum max. Pa	Motor power	Voltage	Noise level	Dimensions mm	Weight kgs
SRA 200	220	22,000	1.1 kW	230 V/50 Hz	< 63 dB(A)	370x370x620	20
SRA 2000	1,600	2,500	1.1 kW	400 V/50 Hz	< 62 dB(A)	680x750x1,225	110
SRA 2000-1	2,360	2,880	2.2 kW	400 V/50 Hz	< 63 dB(A)	680x750x1,225	135
SKW 20	1,200	2,200	0.75 kW	400 V/50 Hz	< 75 dB(A)	700x700x1,300	135
SKW 30	1,800	2,400	1.1 kW	400 V/50 Hz	< 78 dB(A)	700x700x1,300	140

The extraction and filtration units of the series SRA have a robust powder-coated sheet steel case and are therefore suitable for use in industrial environment.

They can be combined with flexible exhaust arms and accessories to customize them for individual requirements as described on the backside.



SRA 200



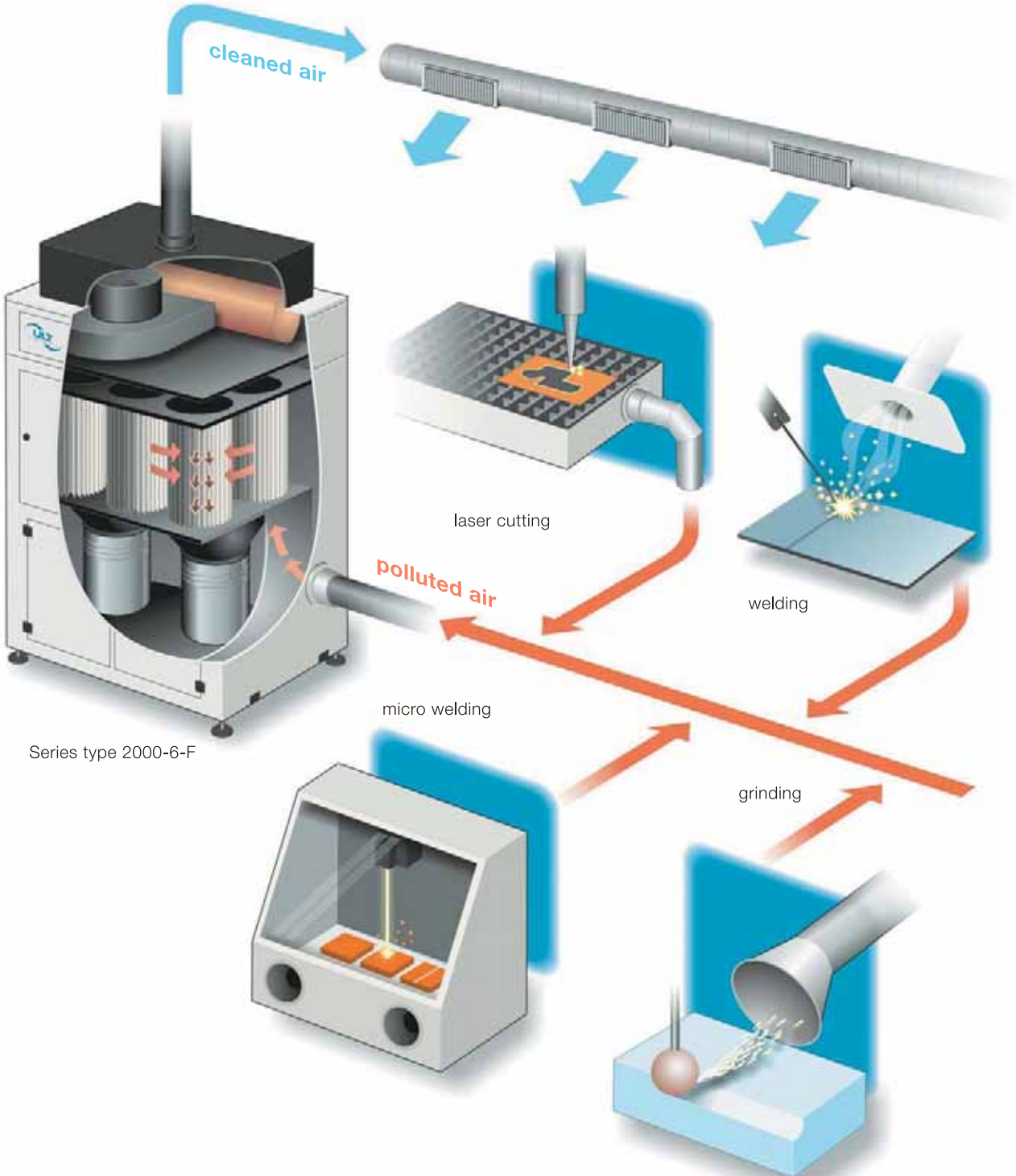
SRA 2000



SKW 20



SRA series of equipment Exhaust and filter systems for welding fumes



***Examples of application for
ULT-Extraction and filtration unit***

Cartridge filter units

with automatic cleaning system

These extraction and filtration units are equipped with filter cartridges working according to the principle of surface filtration. The harmful and tiny dust particles are separated at the surface of the filter cartridge consisting of fine fibres.

The cleaning procedure is started automatically. A compressed air shot is released from the internal compressed air reservoir of the filter unit. The collected dust can easily be disposed by the dust collecting bin.

Product	Air flow max. m ³ /h	Motor power	Voltage	Noise level	Dimensions mm	Weight kg	Surface of filter cartridges
SRA 280 FQ	450	0.37 kW	230 V 50/60 Hz	< 57 dB(A)	500x550x900	40	2 m ²
SRA 280 EC	220	1.1 kW	230 V 50/60 Hz	< 60 dB(A)	500x550x900	40	2 m ²
SRA 500 2 EC	440	2.2 kW	230 V 50/60 Hz	< 62 dB(A)	700x600x2,050	150	10 m ²
SRA 500	600	0.82 kW	230 V 50/60 Hz	< 62 dB(A)	700x600x2,050	150	10 m ²
SKP 22	1,800	1.5 kW	400 V/50 Hz	< 65 dB(A)	1,020x670x1,500	200	10 m ²
SKP 22 BIA with 1 extraction arm	1,800	1.5 kW	400 V/50 Hz	< 65 dB(A)	1,020x670x1,500	200	10 m ² class W 2
SRA 2000-2-FP	3,300	3.00 kW	400 V/50 Hz	< 73 dB(A)	760x1,200 x 2,500	280	15 m ²
SRA 2000-3-FP	3,300	3.00 kW	400 V/50 Hz	< 73 dB(A)	760x1,200 x 2,500	290	22,5 m ²
SRA 2000-6-FP	3,300	3.00 kW	400 V/50 Hz	< 73 dB(A)	1,350x820 x 2,060	300	45 m ²
SRA 3000-9-FP	4,300	5.5 kW	400 V/50 Hz	< 73 dB(A)	1,350x1,350x2,500	540	68 m ²
PN 40	2,400	3 kW	400 V/50 Hz	< 75 dB(A)	1,000x1,000x2,950	380	47 m ²
PN 40-1	3,600	4 kW	400 V/50 Hz	< 75 dB(A)	1,000x1,000x2,950	470	47 m ²
PN 60	3,600	4 kW	400 V/50 Hz	< 75 dB(A)	1,400x1,000x3,100	600	73 m ²
PN 60-1	4,800	5.5 kW	400 V/50 Hz	< 75 dB(A)	1,400x1,000x3,100	630	73 m ²
PN 100	6,000	7.5 kW	400 V/50 Hz	< 75 dB(A)	1,400x1,400x3,400	760	112 m ²
PN 100-1	7,500	11 kW	400 V/50 Hz	< 78 dB(A)	1,400x1,400x3,400	800	112 m ²



SRA 280 FQ



SKP 22



SRA 3000-9-FP



Selection of unit

Quantity and type of hazardous welding fume?

Selection

Saturation filter unit

or

Cartridge filter unit

Required air flow rate?

Selection of

model

Saturation filter units with replacement filters

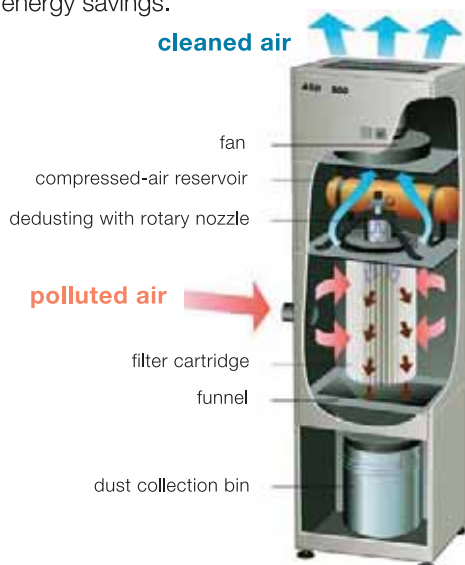
The saturation filter unit consists of several filter elements which should be replaced after a certain working time depending on the process. The extracted air is directed through the filter system.

The dust particles and gases are filtered and the cleaned air is fed back to the workshop.



Cartridge filter units with automatic cleaning system

The cartridge filter unit are equipped with cleanable filter elements working according to the principle of surface filtration. The harmful and tiny dust particles are separated at the surface of the filter cartridge. Cleaning is effected automatically by means of compressed air (rotation nozzle or puls jet cleaning). The collected dust can be easily disposed by the dust collecting pin. Purified air is recycled into the work area resulting in heating or cooling energy savings.



Health protection during welding processes

Welding fumes are classified as potential hazardous substance. The welding dusts and fumes are respirable. Cadmium and nickel are known to cause cancer. Therefore welding fumes have to be captured completely at the source and disposed riskless. The air intake must be controlled in such a way that the welding emissions do not reach the breathing zone of the welder. The cleaned air is only allowed to be fed back to the working area after sufficient cleaning.

The extraction and filtration units of ULT AG as well as the range of accessories and extraction arms capture the hazardous substances at source and guarantee a high-efficient filtration.

Advantages of the ULT extraction and filter units:

- Low noise level
- Low operating costs
- Long filter stand life
- Compact design
- Mobile units
- Variety of accessories
- Easy to operate

Applications:

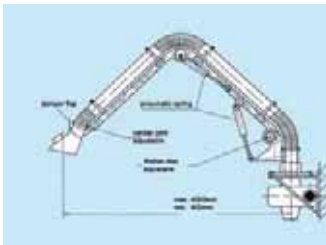
- Manual welding
- Robotized welding
- Laser welding and cutting
- Micro welding
- Plasma cutting
- Grinding

Please find more information about our complete product range under www.ult.de

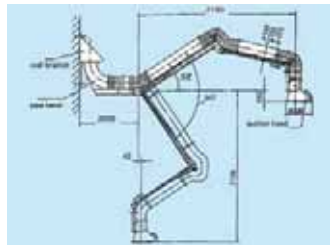
Exhaust arms

The exhaust arms ASA and ASP are very suitable for extracting welding fume, gases, dusts and solvents. They are available in various types and lengths and can be connected to fans or with tubing system to central filtration units. For the models SRA 2000, SKP 22 and SKW 20/30 it is possible to install exhaust arms directly at the extraction and filtration units. For easy installation we offer wall brackets and base frames.

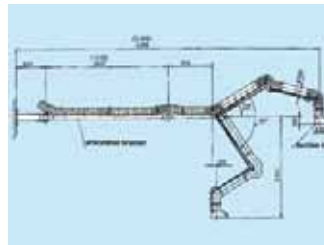
- Robust, supporting aluminium profile
- 2 gas springs for balancing the dead weight of the arm
- No rebounding when positioned ULT_SRA_6/07/dt
- Working area 0 – 9000 mm
- low pressure drop and undisturbed air flow
- easy adjustment of joints as well as maintenance



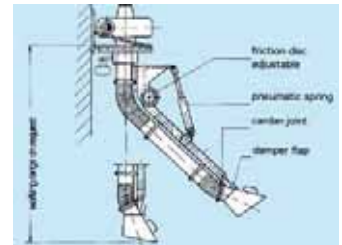
Extraction arms with rotating flange
ASA Ø 120 / 150 / 180 mm
L 2.7 / 3.3 / 4.0 m



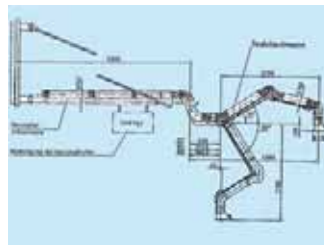
Extraction arms parallelogram –
with rotating flange
ASPO Ø 120 / 150 / 180 mm
L 2.7 / 3.3 / 4.0 m



Extraction arms with articulated wall
outrigger, with wall bracket
ASG Ø 150 mm
L 5.3 / 6.3 m



Extraction arms – vertical
ASW Ø 120 / 150 / 180 mm
L 1.25 m



Extraction arms with articulated wall
outrigger, with wall bracket
ASG Ø 150 mm
L 7.7 / 8.3 / 9.0 m

Fans on request.

