

SRA

*for welding
fumes*



***Clean air,
high performance.***

***The SRA series,
extraction and
filter systems for
welding fumes.***

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

Choice of equipment

How much hazardous materials is generated?

Choose

saturation filter

or

cartridge filter

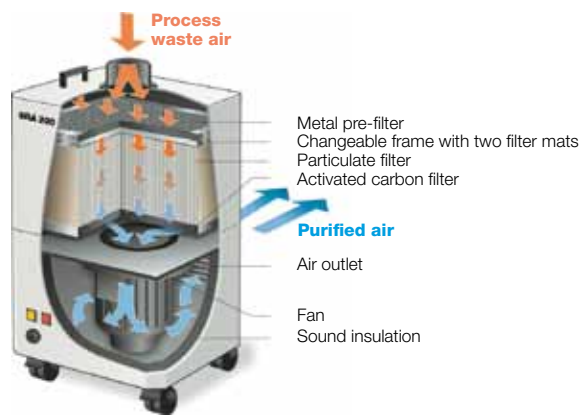
What suction volume is required?

Choose

series type

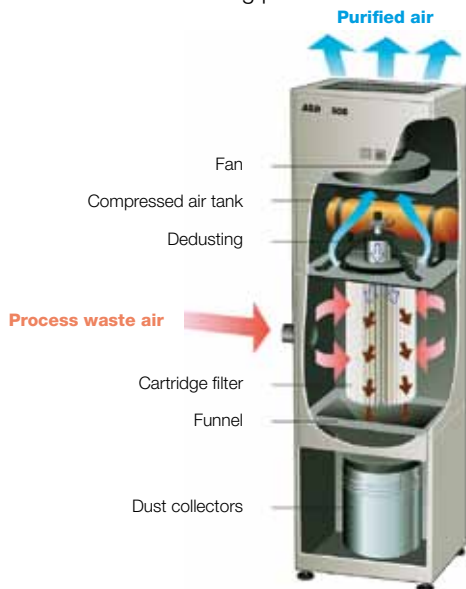
Saturation filter unit with easy-change filters

The saturation filter systems consists of several filter elements which are saturated after a certain working time and should be replaced. The extracted air is conducted through the filter system. The dust particles and gaseous pollutants are filtered and the cleaned air is fed back to the workshop.



Cartridge filter unit with automatic dedusting

The cartridge filter units are equipped with cleanable filter elements and operate on the principle of surface filtration. Harmful substances are separated at the surface of the filter cartridge. Cleaning takes place automatically by means of pressurized air counter-rinsing (pulse jet or rotation jet). All of the filtered dust is gathered in the dust collectors. Purified air is returned to the working place.



Health protection during welding processes

Welding fumes are classified as a hazardous substance. Welding dust and fumes are inhalable and respirable. In the case of cadmium and nickel steels they are carcinogenic. Welding fumes should therefore be captured at source as far as possible and disposed of in a safe manner. Air separation must be carried out in such a way so that the welder is exposed to the least possible amount of welding fumes. The cleaned air is to be fed back to the working area only after adequate cleaning.

The ULT AG extraction and filtration units, as well as the range of extraction arms, capture the hazardous substances at source and guarantee highly efficient filtration.

Advantages of the ULT extraction and filter units:

- low noise level
- low operating costs
- high performance filter
- compact design
- mobile units
- adaption possibilities with a wide range of accessories
- easy operation and maintenance

Applications:

- manual welding
- robotized welding
- laser welding and cutting
- micro welding
- plasma cutting
- grinding

For detailed technical data refer to the specific information leaflets describing the equipment or visit our website www.ult.de.

Saturation filter units *with easy-change filters*

The ULT AG saturation filter units are mobile or stationary units designed for the extraction and filtering of fumes generated by manual welding, welding machines and by welding robots. Ideal for extraction at frequently changing work places.

The saturation filter system consists of a combination of spark protection filters, pre-filters and particle filters of the class F9 or H13 with a dust separation efficiency of up to 99.95 %. The easily replaceable filter types ensure low operating costs.

| Series type | Volume flow max. m³/h | Vacuum max. Pa | Rated motor output kW | Electrical connection | Noise level 100% | Size L x B x H mm | Weight kg |
|--------------|--------------------------|-------------------|--------------------------|--------------------------|---------------------|----------------------|--------------|
| SRA 200.5-02 | 220 | 22,000 | 1.30 | 230 V 50 / 60 Hz | < 70 dB(A) | 390x400x610 | 30 |
| SRA 300.7-02 | 400 | 12,000 | 1.30 | 230 V 50 / 60 Hz | < 71 dB(A) | 475x585x610 | 35 |
| SRA 1200.01 | 1,490 | 1,800 | 0.75 | 230 V / 50 Hz | < 72 dB(A) | 790x820x1,040 | 140 |
| SRA 1200.02 | 1,660 | 2,400 | 1.50 | 230 V / 50 Hz | < 72 dB(A) | 790x820x1,240 | 175 / 200 |
| SKW 20 | 1,200 | 2,200 | 0.75 | 400 V / 50 Hz | < 75 dB(A) | 700x700x1,300 | 135 |
| SKW 30 | 1,800 | 2,400 | 1.10 | 400 V / 50 Hz | < 78 dB(A) | 700x700x1,300 | 140 |

The devices in the SRA series have a stable, powder-coated steel casing for use in industry. They can be fitted with flexible extraction arms and accessories for adaption to the most varied requirements.

More information about this topic can be found on the reverse.



SRA 200



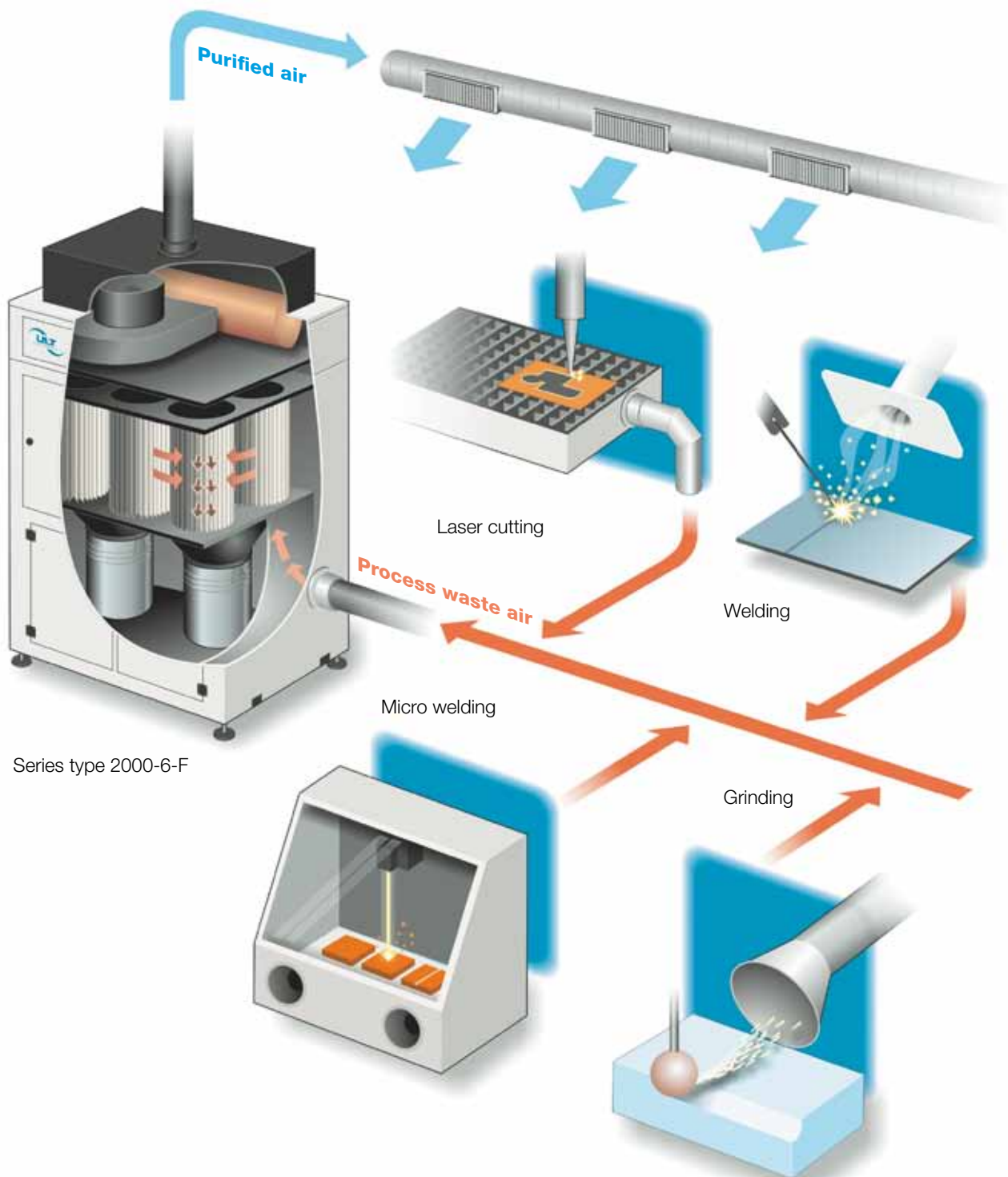
SRA 1200



SKW 20



SRA series of equipment extraction and filter systems for welding fumes



***ULT filtration units in
use in various applications***

***Certified quality management system
ISO 9001:2008***

Cartridge filter units *with automatic dedusting*

These extraction and filtration units are equipped with cleanable filter cartridges. The contaminated air is extracted via a tube or a pipe, conducted through a spark protection device, and the

coarse and ultra-fine particles are separated at the surface of the filter cartridge. Cleaning takes place automatically by a blast of compressed air.

| Series type | Volume flow max. m³/h | Surface of cartridge filter | Rated motor output kW | Electrical connection | Noise level 100% | Size L x B x H mm | Weight kg |
|-----------------------------------|--------------------------|--------------------------------|--------------------------|--------------------------|---------------------|----------------------|--------------|
| SRA 200.5-01 | 220 | 2.2 m² | 1.30 | 230 V 50 / 60 Hz | < 70 dB(A) | 440x460x830 | 50 |
| SRA 300.7-01 | 400 | 2.2 m² | 1.30 | 230 V 50 / 60 Hz | < 71 dB(A) | 475x585x1,010 | 60 |
| SRA 500 2 EC | 440 | 10 m² | 2.20 | 230 V 50 / 60 Hz | < 62 dB(A) | 700x600x2,050 | 150 |
| SRA 500 | 600 | 10 m² | 0.82 | 230 V 50 / 60 Hz | < 62 dB(A) | 700x600x2,050 | 150 |
| SKP 22 W3 with one suction arm | 1,800 | 10 m² | 1.50 | 400 V / 50 Hz | < 65 dB(A) | 1,020x670x1,500 | 200 |
| SRA 1200.01 | 1,490 | 2x4.5 m² | 0.75 | 230 V / 50 Hz | < 69 dB(A) | 790x820x1,240 | 175 |
| SRA 1200.02 | 1,660 | 2x4.5 m² | 1.50 | 230 V / 50 Hz | < 72 dB(A) | 790x820x1,240 | 175 |
| SRA 3000-9-FP | 4,300 | 68 m² | 5.50 | 400 V / 50 Hz | < 73 dB(A) | 1,350x1,350x2x500 | 540 |
| PN 40 | 2,400 | 47 m² | 3.00 | 400 V / 50 Hz | < 75 dB(A) | 1,000x1,000x2,950 | 380 |
| PN 40-1 | 3,600 | 47 m² | 4.00 | 400 V / 50 Hz | < 75 dB(A) | 1,000x1,000x2,950 | 470 |
| PN 60 | 3,600 | 73 m² | 4.00 | 400 V / 50 Hz | < 75 dB(A) | 1,400x1,000x3,100 | 600 |
| PN 60-1 | 4,800 | 73 m² | 5.50 | 400 V / 50 Hz | < 75 dB(A) | 1,400x1,000x3,100 | 630 |
| PN 100 | 6,000 | 112 m² | 7.50 | 400 V / 50 Hz | < 75 dB(A) | 1,400x1,400x3,400 | 760 |
| PN 100-1 | 7,500 | 112 m² | 11.00 | 400 V / 50 Hz | < 78 dB(A) | 1,400x1,400x3,400 | 800 |

Further voltages and frequencies upon request!



SRA 300



SKP 22 W3



SRA 3000-9-FP



ULT AG

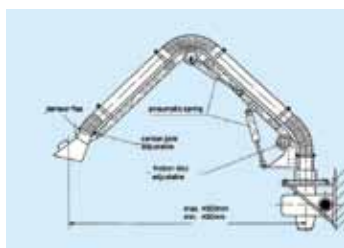
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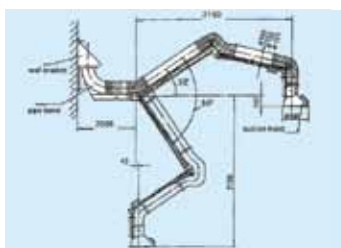
Exhaust arms

The extraction arms of ASA, ASP and ASG series are highly suitable for the direct extraction of welding fumes, dusts and vapours. The swivel arms are available in various designs, both for mobile extraction units and for stationary units. The extraction arm can be attached directly to the filtration unit on the SRA 2000, SKP 22 and SKW 20/30 models

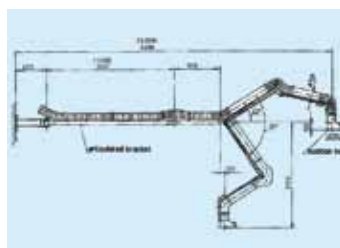
- Robust, supporting aluminium profile
- Exceptional freedom of movement with aluminium design, 2 gas pressured springs and ball bearing mounted swivel
- Working area 0–9000 mm
- Low pressure decrease with streamlined, smooth aluminium tubing
- Easy maintenance with directly accessible, adjustable friction disc in the bending axes, as well as easily replaceable tube transition pieces



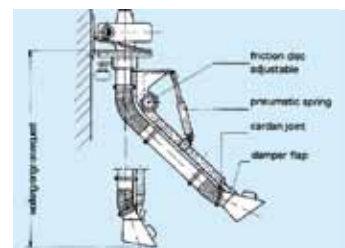
Extraction arms with rotating flange
ASA Ø 120 / 150 / 180
L 2.7 / 3.3 / 4.0 m



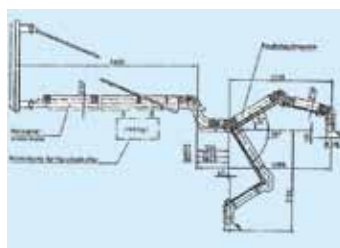
Extraction arms parallelogram –
with rotating flange
ASPO Ø 120 / 150 / 180
L 2.7 / 3.3 / 4.0 m



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

Air blowers upon request.

All technical data are to be regarded as non-binding and general and, in particular, do not represent any assurance of the suitability of a product for a specific application.

