

Welding smoke is a gas that expands and distributes in the air. These gases are dangerous to health and have to be sucked off under certain conditions. Here it is important to get a large amount of the gas with a hood. In order to get a certain working area, you have to position the hood with a certain clearance above the workplace. This results in an additional suction of pure air. Furthermore it is necessary to position the hood once and to be sure that this position will not change, since both hands are needed for work. In the upper class this can be realized without any difficulties because of the parallelogram technique. This class forms suction arms with externally positioned parallelogram, therefore there is no reduced cross-section in the hose and the complete suction volume is achieved. Leveling of the device is done with gas pressure operated dampers. In the simple class suction arms with internal joints are available at a favorable price, which also ensure the necessary suction volume. The suction arms of both classes have brackets for wall or ceiling mounting, if requested. Furthermore corresponding fans can be mounted to the brackets to complement a single-user system. As a standard, the suction arms are provided with shut-off flaps in the hood, so that for central systems with several arms on one fan suction takes place only at the place, where welding is done. Special rotary flanges are available for AFA suction arms, which fit to the anti smog hose trolleys for the slotted suction ducts AFA 2000 and AFA 3000. This allows an unlimited flexibility on one aisle. Like for the suction systems, a workshop covering suction system is given with only a few suction units running into the slotted suction



duct.

AFA welding smoke suction systems which are movable on two axes offer a special comfort. Here the complete slotted suction duct is moved, with one or several suction arms running in the duct. Media supply like electric power, press air and sward suction pipes can be integrated. These systems can be completely adapted to the actual working situation as they have an unlimited range within the workshop.

Filteranlagen von AFA, die beispielsweise für die Absaugung von Schweißgasen aus Schweißarbeiten an Chrom-Nickel-Stahl zwingend erforderlich sind, komplettieren das Lieferprogramm und veranlassen Sie, uns als Ihren Partner zu wählen.

Filter systems offered by AFA, which are mandatory e.g. for the suction of welding gases if welding is carried out on nickel chromium steel, complement the delivery range and cause you to make us your supplier.

