

ASPIRMIG **Welding & Safety**



welding without fume

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ABOUT US

The real protection of the breathing zone is only possible with the aspiration positioned directly at the point of emission of fumes. The principle of suction **ASPIRMIG** it's based on new claim of the suction system like traditionally knowledge, it used **high aspiration** in behalf of the **ejection air-reducing** (about $1/20^\circ$ respect to traditional system) if we compare the operating cost in one year the results it's € 36,00 on behalf welding station with ambient temperatur in 18° .

The installation it consist in sostitution of the traditional integrated torch **ASPIRMIG** it may be cooling on water and it may be **dynamics** air cooling of effect high velocity (50 m/s) of the aspiration flux.

Afterward the torch hook-up, trough a hose, to exhaust fan it may be both monophase and three-phase. It developed by means of torch a radial depression, in way to pick up without interfere with the welding fumes produce. Activation device, it consisting of ammeter sensor, to command striking of the arc **the automatic activation of the exhaust fan** guarantee, anyway, the use of aspiration device. The fumes products to come aspirated and filtrate through una complex barrier (5 filtering level) fit of keep selectivity the pollutant both solid pollutant and gasiformes (**odourless and colourless**) before their external ejection.

The system suction **ASPIRMIG** guarantee it, in basis of the norm EN ISO21904-4, always and in total work positions a TLV which fluctuate between 1,5 e 1,8 mg/m^3 of air in breathing zone in term of comparison to maximum level allowed, action zone, of 2,5 mg/m^3 of air (ACGIH $5\text{mg}/\text{m}^3$).

The **ASPIRMIG** patented system is in conformity with the regulations in force and past regulations, in merit of the welding activities and let **to combine** in only one solution the requirement both of **production** and **security** that way optimized the report **costs-performances** you can get the saving about 40% on energy conservation and maintenance conservation. It must be born in mind the increase of turn on of the arc (10-15%) for elimination effect of the irregularity in to no stop repositioning of the arm traditional system, aren't utilize because they're not much practical and much efficacious.

The suction-cleaning equipment **ASPIRMIG** are in conformity whit the new work law in force regarding of hygiene, security and ergonomics work position. The **ASPIRMIG** torch whit aspiration system integrated it enjoy of the Welding Italian Institute certification and follows the law EN60974-7

TORCHES WITH INTEGRATED SUCTION

ASPIRMIG LINE



COMPATIBLE LINE BZ



EXHAUST FAN AND CLEANERS

AT40A Automatic three-phase equipment for aspiration welding fumes. Without depuration.

Industrial use in automatic and manual welding process.

Voltage: 220-380 V

Power: 1,5-2,2-3,0 Kw

Capacity: 220-240-260 m³h

Noise Level: 71dbA

Dimension: b500 h600 p650

Weight: 46kg

Duty cycle: 100%



ATC1A Automatic three-phase trucks equipment for suction and depuration welding fumes.

Industrial production in manual welding process.

4 depuration level: dust depuration, pre filtering al 95% 10 micron, microfiltration 98% 0,3 micron, chemistry filtering with active carbon (1kg) EPA13 class

Voltage: 220-380 V

Power: 1.5-2.2 Kw

Capacity: 200-220 m³h

Noise Level: 72dbA

Dimension: b490 h880 p650

Weight: 79kg

Duty cycle: 100%



AMC2A Automatics monophasic equipment for suction and depuration welding fumes.

Craft in manual welding process with predisposition for n° 2 welding torches with wire of 1mm.

4 depuration level: dust depuration, prefiltering al 95% 10 micron, microfiltration 98% 0,3 micron, chemistry filtering with active carbon (1kg) EPA13 class

Voltage: 220 V

Power: 2x 0,9 Kw

Capacity: 220 m³h

Noise Level: 71dbA

Dimension: b340 h430 p750

Weight: 30kg

Duty cycle: 60%



ATC3A Automatic three-phase equipment for suction and depuration of welding fumes for central system.

Industrial use in manual welding process with

predisposition n° 12 welding torches or automatic welding process or robotized welding process.

3 depuration level:dust depuration, prefiltering al 95% 10 micron, microfiltration 98% 0,3 micron, chemistry filtering with active carbon (5kg) EPA13 class

Voltage: 220-380 V

Power: 7-11-15 Kw

Capacity: 1000-3000 m³h

Noise Level: 71dbA

Dimension: b750 h1400 p1000

Weight: 185kg

Duty cycle: 100%



We advise you:

- Monthly is necessary, with the instruction, to do the filter cleaning with air jet in blower reverse.
- It's obligatory to do the cleaning operation in total conformity of the preventing law.
- The **ASPIRMIG** company guarantee the good functionig ours products, on condition that to use the original components and original system spare part.

WORKSTATIONS

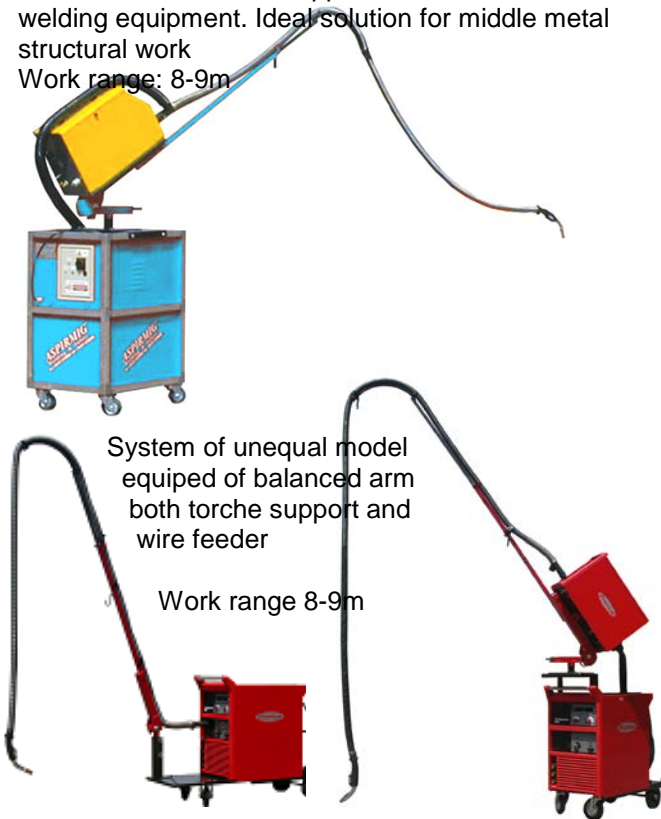
BigErgo

The **ASPIRMIG** balanced boom arms are the best solution for every company would like in only solution to pull down the economics cost, maintenance expenses and to be guaranteed in respect to recently regulations. With their perfect and stable balancing accompanies the welder in every moving in way of assent the best efficacy and simultaneously to be sure the best hygiene condition, security and ergonomic solution. Removal on the floor of cables, hot-blast pipes and extension. It may be mount both trucks platform and fixed on the floor. Length available: 3,5-4,5-5,5m Work range to 20m even to 12m height. It be set up without distinction both with frame from 250 and from 550 Kg. The benefits are both economics and time and increase of striking of the arc (10-15%)



MidErgo

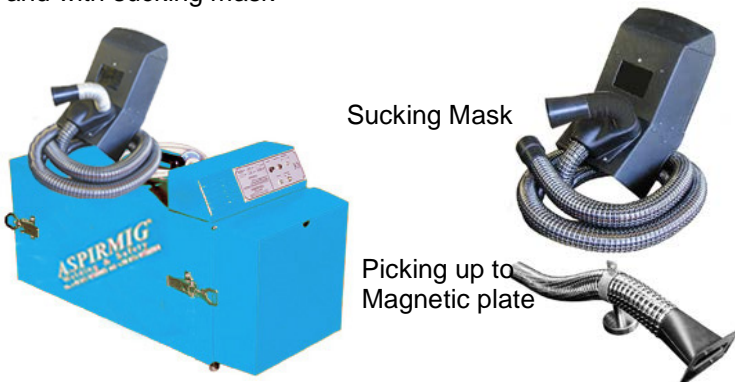
Three-phase station complete with welding equipment. The exhaust fan do the support of balanced arm and all welding equipment. Ideal solution for middle metal structural work Work range: 8-9m



System of unequal model equipped of balanced arm both torche support and wire feeder

Work range 8-9m

Exhaust fan and cleaner, with automatic activation equipment both with picking up device to magnetic plate or suction cap plate and with sucking mask



Sucking Mask

Picking up to Magnetic plate

MinErgo

Mono-phase station complete with welding equipment. The exhaust fan and the wire feeder are supported from specific truck what simultaneously support the balanced arm. Work range 8-9m



Centralized System with possibility to apply until n°12 welding torches (100% contemporaneity) and equipped with full components necessary to install in automatic or manual version

