SUCTION ARMS | Portable local extractors

Articulated suction arms for welding and general industrial applications

ARTICULATED SUCTION ARMS

The line «articulated suction arms» is composed of fixed and portable solutions for the extraction and filtration of fumes and dust from various contexts: welding processes, thermal cutting, surface treatment and general industrial problems. Articulated suction arms are the ideal solution to capture fumes, gases and dust as close as possible to operators, protecting them from pollutants emitted during welding of metals and alloys.

Gallery

There are two fundamental characteristics that distinguish products within the panorama:

- possibility to position the suction arm in all angles thanks to its lightness;
- maintaining of the absolute desired position for the suction of the fumes.

Suction arms are characterized by contained costs of installation and, thanks to their suction efficiency, permit to restrict the consumption of energy for the benefit of operating costs.
Tecnosida® proposes a full range of articulated arms, each of them characterized by a specific configuration of tubing and articulation, to be used in different contexts depending on the type of application and installation.
All versions are recognized and approved by international bodies responsible for safety at the workplace.

IBF Armoflex Line

This line of products is characterized by suction arms that have an high maneuverability and that can maintain a stable position (guaranteed by a system of cup springs which supports the arm). The internal bearing structure is made of steel pipes and is reinforced by components made of aluminum alloy, subsequently anodized to ensure resistance over time despite continued exposure to fumes.
The hose cover is a multilayer PVC that ensures resistance to temperature (max 140 °C) and protection from flying sparks.

Features and Benefits

IBF Armoflex articulated suction arms:

- are characterized by a supporting internal structure and an external hose;
- permit the suction and the treatment of welding fumes, gas, vapors and odors;
- are flexible and light;
- have a diameter of 160 mm and lengths of 2-3-4 m;
- can be used in a wide range of temperatures, up to a maximum of 70°C;
- are designed for volumetric flow rates of 1000-1200 m^3/h;
- have a rectangular hood.

IBSA Armotech Line

The Armotech line, thanks to the used materials and to the innovative design, allows the operator to be able to count on a high maneuverability, on a stable positioning and on an exceptional strength. These characteristics are guaranteed by a pantograph structure that supports the arm. The external bearing structure is made of reinforced steel and aluminum alloy components, subsequently anodized to ensure resistance over time despite continued exposure to fumes. The gas tube is made of aluminum to maintain an high lightness. The hood has a square profile, that permit to maximize suction efficiency; it is also equipped with a manual shutter for the calibration of the flow, an anti-intrusion security grid and a handle. Wall versions are equipped with a painted steel shelf for attachment and connection to the pipe which aim is to convey the fumes extracted from the arm itself.

Features and Benefits

IBSA Armotech articulated suction arms:

- have an external pantograph structure and are characterized by rigid pipes;
- permit the suction and the treatment of welding fumes, dusts, vapors, gases and odors;
- are strong and stable.
- have a diameter of 160 mm and lengths of 2-3-4 m;
- can be used in a wide range of temperatures, up to a maximum of 90°C;
- are designed for volumetric flow rates of 1000-1200 m^3/h;
- have a rectangular hood.

Available options

- metallic extension;
- ATEX certification;
- version in INOX steel.

IBS 200

Features and Benefits

IBS 200 articulated suction arms:

- have a classic joints structure;
- allow the extraction of fumes generated by welding processes;
- are made of light aluminium alloy;
- have an oval hood;
- guarantees solidity, lightness and durability over time.

ICAP purification systems

These purification systems have been designed to extract welding fumes in places where welding work is carried out on an occasional basis, for example, spot welding or seam or arc welding, therefore with the development of medium-low concentrations of pollutants containing gas or suspended micro-particles.
The fumes initially extracted pass through a plenum which slows the flow of air and allows its correct passage through the filters. The filters consist of a series of metallic and acrylic components which guarantee maximum levels of filtration, and vary depending on the version of the machine.
In addition, deodorisation is achieved using an activated carbon filter (10 kg), before releasing the filtered air into the environment.
Contact us to know prices and special discounts related to these products!