

# ARMOFLEX

## ARTICULATED ARM FOR EXTRACTION OF WELDING FUMES AND MICRO-PARTICLES



### Use

Extraction of welding fumes and micro-particles

### Construction

Reinforced steel and multilayer PVC

### Applications



MIG MAG



Pulse  
MIG MAG



MMA  
Stick  
electrode



TIG

### MAIN FEATURES

The ARMOFLEX extraction arm, thanks to the materials and the innovative design, allows a high manoeuvrability, a stable positioning and an exceptional strength, guaranteed by the internal pantograph structure.

The wall versions can be equipped with an extractor fan and a wall bracket for connection to the ventilation ducts.

The versions for benches / mobile units are provided with a 360° rotating base.

Not to be used for dust or liquids.

### STRUCTURE

Internal load-bearing structure in reinforced steel to guarantee resistance over time.

Multilayer PVC coated hose to guarantee protection against sparks and resistance to temperature up to 90 °C. Gas pistons for a stable positioning.

High-intake capture hood for maximum extraction efficiency, complete with manual damper for airflow regulation, anti-intrusion safety grid and handle.

Upon request a lighting kit is available for the hood.

A special wall bracket allows fixation of two articulated arms under one ventilator.

### ARMOFLEX 200

Articulated arm with diameter 200 mm for big airflows, with external pantograph structure.

It is possible to order pre-assembled arms: a little surcharge allows saving time and costs during installation.

## CERTIFICATIONS




## TECHNICAL FEATURES

Code	Diameter mm	Length mm	Flow rate m <sup>3</sup> /h	Medium drop loss Pa	Total weight kg
ARMOFLEX 160/2	160	2000	1000 - 1200	850	13
ARMOFLEX 160/3	160	3000	1000 - 1200	850	14
ARMOFLEX 160/4	160	4000	1000 - 1200	850	15
ARMOFLEX 200/2	200	2000	1800 - 2200	750	21
ARMOFLEX 200/3	200	3000	1800 - 2200	750	23
ARMOFLEX 200/4	200	4000	1800 - 2200	750	26


## ARMOFLEX EXTRACTION ARM FOR WORK DESK AND MOBILE UNITS

### DESCRIPTION

Ø 160 mm	Code	Description
	ARMOFLEX160200	ARMOFLEX articulated arm for work desk and trolley-fitting - Ø 160 mm - L. 2000 mm
	ARMOFLEX160300	ARMOFLEX articulated arm for work desk and trolley-fitting - Ø 160 mm - L. 3000 mm
	ARMOFLEX160400	ARMOFLEX articulated arm for work desk and trolley-fitting - Ø 160 mm - L. 4000 mm

## ARMOFLEX WALL-FITTING EXTRACTION ARM

### DESCRIPTION

Ø 160 mm	Code	Description
	ARMOFLEX160201	ARMOFLEX wall-fitting articulated arm - Ø 160 mm - L. 2000 mm
	ARMOFLEX160301	ARMOFLEX wall-fitting articulated arm - Ø 160 mm - L. 3000 mm
	ARMOFLEX160401	ARMOFLEX wall-fitting articulated arm - Ø 160 mm - L. 4000 mm

# ARMOFLEX

ARTICULATED ARM FOR EXTRACTION  
OF WELDING FUMES AND MICRO-PARTICLES

## WALL BRACKETS

Wall bracket for centralized plant	Code	Description
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CWB02018000000 Wall bracket for connection to flex hose Ø 160 mm

Wall bracket for extractor fan	Code	Description
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CWB020180EV000 Wall bracket for ARMOFLEX Ø 160 mm and EV extractor fan

## ARMOFLEX 200 EXTRACTION ARM FOR WORK DESK AND MOBILE UNITS

### DESCRIZIONE

Ø 200 mm	Codice	Descrizione
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ARMOFLEX200200 ARMOFLEX articulated arm for work desk and trolley-fitting - Ø 200 mm - L. 2000 mm

ARMOFLEX200300 ARMOFLEX articulated arm for work desk and trolley-fitting - Ø 200 mm - L. 3000 mm

ARMOFLEX200400 ARMOFLEX articulated arm for work desk and trolley-fitting - Ø 200 mm - L. 4000 mm

## ARMOFLEX 200 WALL-FITTING EXTRACTION ARM WITH WALL BRACKET

### DESCRIPTION

Ø 200 mm	Code	Description
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ARMOFLEX200202 ARMOFLEX wall-fitting articulated arm with wall bracket - Ø 200 mm - L. 2000 mm

ARMOFLEX200302 ARMOFLEX wall-fitting articulated arm with wall bracket - Ø 200 mm - L. 3000 mm

ARMOFLEX200402 ARMOFLEX wall-fitting articulated arm with wall bracket - Ø 200 mm - L. 4000 mm



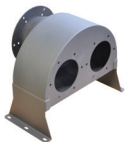

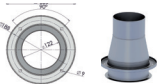
## ACCESSORIES FOR ARMOTECH AND ARMOFLEX ARTICULATED ARMS

### PREASSEMBLED ARMS

It is possible to order pre-assembled arms: a little surcharge allows saving time and costs during installation.

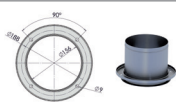



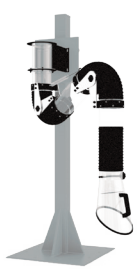
Preassembling is available for arms with diameter 125 and 160 mm and length 2 m - 3 m - 4 m and includes a special packaging.



### HOSES AND CONNECTORS

Wall bracket for centralized plant	Code	Description
	CWB02018000000	Wall bracket for connection to flex hose Ø 125-160 mm
Wall bracket for extractor fan	Code	Description
	CWB020180EV000	Wall bracket for ARMOTECH / ARMOFLEX Ø 125-160 mm and EV extractor fan
Wall bracket for twin-arm	Code	Description
	DBMENS2BRACCI160	Wall-bracket for twin-arm ARMOTECH / ARMOFLEX Ø 125-160 mm
		
Adapter for flexible hose Ø 125 mm on wall bracket	Code	Description
	ACCIBS00000RF3	Adapter for connection of hose Ø 125 mm on bracket Ø 125 mm


# ACCESSORIES AND SPARE PARTS

FOR ARMOTECH AND ARMOFLEX ARTICULATED ARMS

Adapter for flexible hose Ø 160 mm on wall bracket	Code	Description
	ACCIBS00000RF1	Adapter for connection of hose Ø 160 mm on bracket Ø 160 mm
<b>Adapter for flexible hose Ø 200 mm on wall bracket</b>	<b>Code</b>	<b>Description</b>
	ACCIBS00000RF2	Adapter for connection of hose Ø 200 mm on bracket Ø 200 mm
<b>T19 flexible hose</b>	<b>Code</b>	<b>Description</b>
	T1900000000125	T19 flexible hose with PVC double-coating Ø 125 mm
	T1900000000160	T19 flexible hose with PVC double-coating Ø 160 mm
	T1900000000200	T19 flexible hose with PVC double-coating Ø 200 mm
<b>Hose clamps</b>	<b>Code</b>	<b>Description</b>
	STR40000060135	Hose clamp Ø 60-135 mm - AISI 430 stainless steel
	STR40000060170	Hose clamp Ø 60-170 mm - AISI 430 stainless steel
	STR40000060215	Hose clamp Ø 60-215 mm - AISI 430 stainless steel
<b>Support column for articulated arms</b>	<b>Code</b>	<b>Description</b>
	ACCIBSCOLONNA0	Column for articulated arms Ø 125-160-200 mm - H 3000 mm - Base 700x700 mm painted NOTE: Fittings included
	ACCIBSCOLONNA4	Column for PAB + arms - H 4000 mm - Base 700x700 mm painted NOTE: Fittings included

PAB extension for articulated arms	Code	Description
	PAB16000001000	Extension PAB 1 for extraction arm with adapter for EV18 fan or flexible hose Ø 160 mm - L. 1000 mm
	PAB16000002000	Extension PAB 1 for extraction arm with adapter for EV18 fan or flexible hose Ø 160 mm - L. 2000 mm
	PAB16000003000	Extension PAB 1 for extraction arm with adapter for EV18 fan or flexible hose Ø 160 mm - L. 3000 mm
	PAB16000004000	Extension PAB 1 for extraction arm with adapter for EV18 fan or flexible hose Ø 160 mm - L. 4000 mm
	PAB16000005000	Extension PAB 1 for extraction arm with adapter for EV18 fan or flexible hose Ø 160 mm - L. 5000 mm
	PAB20000001000	Extension PAB 2 for extraction arm with adapter for EV18 fan or flexible hose Ø 200 mm - L. 1000 mm
	PAB20000002000	Extension PAB 2 for extraction arm with adapter for EV18 fan or flexible hose Ø 200 mm - L. 2000 mm
	PAB20000003000	Extension PAB 2 for extraction arm with adapter for EV18 fan or flexible hose Ø 200 mm - L. 3000 mm
	PAB20000004000	Extension PAB 2 for extraction arm with adapter for EV18 fan or flexible hose Ø 200 mm - L. 4000 mm




## LIGHTING KIT

LED lighting kit	Code	Description
	ARMOLIGHT00005	LED lighting kit (to place in order together with filter unit and arm)




# ACCESSORIES AND SPARE PARTS

FOR ARMOTECH AND ARMOFLEX ARTICULATED ARMS

## EXTRACTOR FANS






EV extractor fan	Code	Description
	EV015020110M04	EV 15 extractor fan 1,1kW 230V/1Ph/50Hz complete with adapter Ø 178 mm for flex hose
	EV015020110M05	EV 15 extractor fan 1,1kW 230V/1Ph/50Hz complete with adapter Ø 180R mm
	EV015020110T04	EV 15 extractor fan EV 15 1,1kW 400V/3Ph/50-60Hz complete with adapter Ø 178 mm for flex hose
	EV015020110T05	EV 15 extractor fan 1,1kW 400V/3Ph/50-60Hz complete with adapter Ø 180R mm
	EV018020150M04	EV 18 extractor fan 1,5kW 230V/1Ph/50Hz complete with adapter Ø 178 mm for flex hose
	EV018020150M05	EV 18 extractor fan 1,5kW 230V/1Ph/50Hz complete with adapter Ø 180R mm
	EV018020150T04	EV 18 extractor fan 1,5kW 400V/3Ph/50-60Hz complete with adapter Ø 178 mm for flex hose
	EV018020150T05	EV 18 extractor fan 1,5kW 400V/3Ph/50-60Hz complete with adapter Ø 180R mm
	EV030020220M07	EV 30 extractor fan 2,2kW 230V/1Ph/50Hz complete with adapter Ø 198 mm for flex hose
	EV030020220M02	Centrifugal fan EV30 - 2,2kW 230V/1Ph/50Hz - Outlet cone Ø 198 mm for flexible hose
	EV030020220T07	EV 30 extractor fan 2,2kW 400V/3Ph/50-60Hz complete with adapter Ø 198 mm for flex hose
	EV030020220T02	Centrifugal fan EV30 - 2,2kW 400V/3Ph/50-60Hz - Outlet cone Ø 198 mm for flexible hose

## SWITCHES AND ELECTRICAL PANELS

Switches and electrical panels	Code	Description
	QEINT32A4P000	Switch disconnecter 32A IP66 lockable, 125x150hx93 mm
	QE2301F022KW0	Single-phase switchboard 230V 50/60Hz 0,37-2,2kW 16A IP55 lockable, 240x340hx170 mm, 2,8 kg. Functions: thermal magnetic protection, self-setting based on connected motors, remote start/stop in centralized system, voltage / current / cosΦ / alarm display, multilingual display
	QE4003F075KW0	Three-phase 4-pole switchboard 400V 50/60Hz 0,55-7,5kW 15A IP55 lockable, 240x340hx170 mm 5,5 kg. Functions: thermal magnetic protection, self-setting based on connected motors, remote start/stop in centralized system, voltage / current / cosΦ / alarms display, multilingual display, phase sequence alarm for motor rotation

## SPARE PARTS

### HOSES AND TUBES






Aluminium tube for ARMOTECH	Code	Description
	DBTUBAL125550	Aluminium tube Ø 125 mm - L. 550 mm - For ARMOTECH Ø 125 mm - L. 2000 mm
	DBTUBAL125954	Aluminium tube Ø 125 mm - L. 950 mm - For ARMOTECH Ø 125 mm - L. 3000 mm
	DBTUBAL1251504	Aluminium tube Ø 125 mm - L. 1500 mm - For ARMOTECH Ø 125 mm - L. 4000 mm
	DBTUBAL160550	Aluminium tube Ø 160 mm - L. 550 mm - For ARMOTECH Ø 160 mm - L. 2000 mm
	DBTUBAL160954	Aluminium tube Ø 160 mm - L. 950 mm - For ARMOTECH Ø 160 mm - L. 3000 mm
	DBTUBAL1601504	Aluminium tube Ø 160 mm - L. 1500 mm - For ARMOTECH Ø 160 mm - L. 4000 mm
Flexible hose for ARMOTECH	Code	Description
	DBT19125045	T19 flexible hose with PVC double-coating Ø 125 mm - L. 0,45 m
	DBT19125090	T19 flexible hose with PVC double-coating Ø 125 mm - L. 0,90 m
	DBT19160045	T19 flexible hose with PVC double-coating Ø 160 mm - L. 0,45 m
	DBT19160090	T19 flexible hose with PVC double-coating Ø 160 mm - L. 0,90 m
Flexible hose for ARMOFLEX	Code	Description
	DBT19160200	T19 flexible hose with PVC double-coating Ø 160 mm - L. 2,33 m
	DBT19160300	T19 flexible hose with PVC double-coating Ø 160 mm - L. 3,33 m
	DBT19160400	T19 flexible hose with PVC double-coating Ø 160 mm - L. 4,33 m
	DBT19200200	T19 flexible hose with PVC double-coating Ø 200 mm - L. 2,5 m
	DBT19200300	T19 flexible hose with PVC double-coating Ø 200 mm - L. 3,5 m
	DBT19200400	T19 flexible hose with PVC double-coating Ø 200 mm - L. 4,5 m
Sleeve cover for steel clamp	Code	Description
	COM00179	Sleeve cover in EPDM - Ø 150 mm - L. 80 mm - Thickness 2 mm




# ACCESSORIES AND SPARE PARTS

FOR ARMOTECH AND ARMOFLEX ARTICULATED ARMS

## CAPTURE HOODS

Capture hood for articulated arms	Code	Description
	SELIBS01000110	Capture hood for articulated arm Ø 100 mm
	SELIBS01250130	Trunk-conical capture hood for articulated arm Ø 125 mm
	SELIBS01600113	Capture hood for articulated arm Ø 160 mm
	SELIBS01600110	Trunk-conical capture hood for articulated arm Ø 160 mm
	DBCAPPA2001	Trunk-conical capture hood for articulated arm Ø 200 mm

## MOTORIZED DAMPER

Motorized damper	Code	Description
	T0SGM000000160	Motorized damper - Galvanized steel 230V/1/50Hz +gasket - Ø 160 mm - Spring return