

ARMOTECH

ARTICULATED ARM FOR EXTRACTION OF WELDING FUMES AND MICRO-PARTICLES



Use

Extraction of welding fumes and micro-particles

Construction

Reinforced steel and aluminium

Applications



MIG MAG



Pulse MIG MAG



MMA Stick electrode



TIG



PLASMA CUTTING

MAIN FEATURES

Thanks to the materials and the innovative design, the ARMOTECH arm allows the operator a high manoeuvrability during use, a stable positioning and exceptional strength, guaranteed by the external 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

External load-bearing structure in reinforced steel to guarantee durability over time. Rigid aluminium tube granting lightness to the assembly.

High-performance extraction hood made to our design, for greater extraction efficiency, complete with manual damper for the airflow calibration.

Anti-intrusion security grid and handle.

Gas pistons for a stable positioning.

Upon request a lighting kit is available for the hood.

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

SPECIAL VERSIONS

ARMOTECH T

Articulated arm suited for extraction of high temperature fumes (Tmax 280°C).

ARMOTEX

Articulated arm suited for use in potential dangerous zone ATEX CE Ex II 3GD 86°C.

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 ³ /h	Medium drop loss Pa	Total weight kg
ARMOTECH 100/1	100	1200	400 - 600	650	8
ARMOTECH 100/2	100	2000	400 - 600	850	10
ARMOTECH 100/3	100	3000	400 - 600	850	12
ARMOTECH 125/2	125	2000	700 - 1000	800	11
ARMOTECH 125/3	125	3000	700 - 1000	800	19
ARMOTECH 125/4	125	4000	700 - 1000	800	23
ARMOTECH 160/2	160	2000	1000 - 1400	700	13
ARMOTECH 160/3	160	3000	1000 - 1400	700	21
ARMOTECH 160/4	160	4000	1000 - 1400	700	25

ARMOTECH EXTRACTION ARM FOR WORK DESK AND MOBILE UNITS

DESCRIPTION


Ø 100 mm	Code	Description
	ARMOTECH100120	ARMOTECH articulated arm for work desk and mobile units - Ø 100 mm - L. 1200 mm
	ARMOTECH100200	ARMOTECH articulated arm for work desk and mobile units - Ø 100 mm - L. 2000 mm
	ARMOTECH100300	ARMOTECH articulated arm for work desk and mobile units - Ø 100 mm - L. 3000 mm
Ø 125	Code	Description
	ARMOTECH125200	ARMOTECH articulated arm for work desk and mobile units - Ø 125 mm - L. 2000 mm
	ARMOTECH125300	ARMOTECH articulated arm for work desk and mobile units - Ø 125 mm - L. 3000 mm
	ARMOTECH125400	ARMOTECH articulated arm for work desk and mobile units - Ø 125 mm - L. 4000 mm
Ø 160 mm	Code	Description
	ARMOTECH160200	ARMOTECH articulated arm for work desk and mobile units - Ø 160 mm - L. 2000 mm
	ARMOTECH160300	ARMOTECH articulated arm for work desk and mobile units - Ø 160 mm - L. 3000 mm
	ARMOTECH160400	ARMOTECH articulated arm for work desk and mobile units - Ø 160 mm - L. 4000 mm


ARMOTECH


ARTICULATED ARM FOR EXTRACTION
OF WELDING FUMES AND MICRO-PARTICLES

ARMOTECH WALL-FITTING EXTRACTION ARM


DESCRIPTION


Ø 100 mm	Code	Description
	ARMOTECH100121	ARMOTECH wall-fitting articulated arm - Ø 100 mm - L. 1200 mm
	ARMOTECH100201	ARMOTECH wall-fitting articulated arm - Ø 100 mm - L. 2000 mm
	ARMOTECH100301	ARMOTECH wall-fitting articulated arm - Ø 100 mm - L. 3000 mm

Ø 125 mm	Code	Description
	ARMOTECH125201	ARMOTECH wall-fitting articulated arm - Ø 125 mm - L. 2000 mm
	ARMOTECH125301	ARMOTECH wall-fitting articulated arm - Ø 125 mm - L. 3000 mm
	ARMOTECH125401	ARMOTECH wall-fitting articulated arm - Ø 125 mm - L. 4000 mm

Ø 160 mm	Code	Description
	ARMOTECH160201	ARMOTECH wall-fitting articulated arm - Ø 160 mm - L. 2000 mm
	ARMOTECH160301	ARMOTECH wall-fitting articulated arm - Ø 160 mm - L. 3000 mm
	ARMOTECH160401	ARMOTECH wall-fitting articulated arm - Ø 160 mm - L. 4000 mm

WALL BRACKETS

Wall bracket for centralized plant	Code	Description
	CWB02018000100	Wall bracket for connection to flex hose Ø 100 mm
	CWB02018000000	Wall bracket for connection to flex hose Ø 125-160 mm

Wall bracket for extractor fan	Code	Description
	CWB020180EV000	Wall bracket for ARMOTECH Ø 125-160 mm and EV extractor fans

ACCESSORIES AND SPARE PARTS

FOR ARMOTECH AND ARMOFLEX ARTICULATED ARMS



Welding
Fume extraction





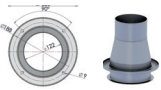
ACCESSORIES FOR ARMOTECH AND ARMOFLEX ARTICULATED ARMS

PREASSEMBLED ARMS

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

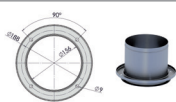



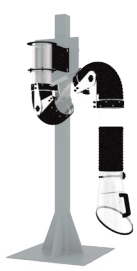
Preassembling is available for arms with diameter 125 and 160 mm and length 2 m - 3 m - 4 m and includes a special packaging.



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
Adapter for flexible hose Ø 200 mm on wall bracket	Code	Description
	ACCIBS00000RF2	Adapter for connection of hose Ø 200 mm on bracket Ø 200 mm
T19 flexible hose	Code	Description
	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
Hose clamps	Code	Description
	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
Support column for articulated arms	Code	Description
	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