

# ICAP 2

## WALL-MOUNTED FILTER UNIT FOR WELDING FUMES



### Use

Welding fume extraction

### Construction

Powder-coated steel

### Applications



MIG MAG



Pulse  
MIG MAG



MMA  
Stick  
electrode



TIG

### MAIN FEATURES

Wall-mounted extractor of welding fumes suited for discontinuous use.

The fumes pass through a plenum slowing down the air speed and allowing a correct crossing of the filters.

The extractor fan is placed downstream of the filter stages and traversed only by clean air.

### STRUCTURE

Made of sturdy steel sheet metal, powder-coated and supplied with external fixing brackets for easy installation on the wall.

High efficiency centrifugal fan, with IE2 efficiency.

### VERSIONS

ICAP 2 H - Mechanical filtration with glass microfibre pocket filter.

ICAP 2 E - Electrostatic filtration.

### FILTERING SECTION

The filter stages consist of a series of metallic and acrylic filters for a final filtration efficiency in class E12 99,5%.

Also available upon request:

- Pocket filter with efficiency H13 99,95%.
- Active carbons post-filter with deodorizing function and capturing volatile substances like VOS and VOC.

### ACCESSORIES

- Articulated arm  $\varnothing$  160 mm, with possibility to fit a PAB extension, for a total length from 2 to 8 meters. Hood with damper, anti-intrusion grid and multidirectional articulation.
- Differential pressure gauge for filter clogged alarm.
- Clogged filter alarm kit.

### CERTIFICATIONS



### PACKING



(140x80x115 cm)



## WALL-MOUNTED FUME EXTRACTOR ICAP 2 H

Wall-mounted filter unit with glass microfibre pocket filter

### TECHNICAL FEATURES

Model	Extraction fan flow rate m <sup>3</sup> /h	Extractor capacity m <sup>3</sup> /h	Noise level dB (A)	Voltage kW/V/Hz	Filtration efficiency %	Dimension WxLxH mm	Total weight kg
ICAP 2.2 H	2500	1100	75	1,5/230/50	E12 99,5	760x510x750	100
ICAP 2.2 H	2500	1100	75	1,5/400/3/50	E12 99,5	760x510x750	100

### FILTRATION

All the filters are tested / certified according to the CEN 779 - EUROVENT 4/4 - CEN EN 1822 standards






### ICAP 2.2 H

Code	Description
ICAP2H000AA0	Wall-mounted ICAP 2.2 - 230V/1Ph/50Hz - Filtration efficiency E12 99,5% - Black/red
ICAP2H1000AA0	Wall-mounted ICAP 2.2 - 400V/3Ph/50-60Hz - Filtration efficiency E12 99,5% - Black/red




# ICAP 2

## WALL-MOUNTED FILTER UNIT FOR WELDING FUMES


### FILTERS

Filters for ICAP 2	Code	Description
	RF0ICAP200000	Kit replacement filters for ICAP 2 including: spark arrestor, wavy filter, pocket filter with efficiency E12
	RF0ICAP200001	Kit replacement filters for ICAP 2 including: spark arrestor, wavy filter
	RF0ICAP200002	Kit replacement filters for ICAP 2 including: pocket filter with efficiency E12

### OPTIONAL FILTERS

Optional filters	Code	Description
	RF0ICAP200003	Kit replacement filters for ICAP 2 including: active carbons filter
	RF0ICAP200005	Kit replacement filters for ICAP 2 including: pocket filter with efficiency H13
	RF0ICAP200007	Kit replacement filters for ICAP 2 including: paint stop filter (advisable to use together with active carbons filter)

ON/OFF switch panel for ICAP	Code	Description
	ACCICAP2223000	ON/OFF switch panel for ICAP 230V - Incl. clogged filter alarm and 3 m cable
	ACCICAP2240000	ON/OFF switch panel for ICAP 400V - Incl. clogged filter alarm and 3 m cable

Clogged filter alarm	Code	Description
	KITSIF2001000	Clogged filter alarm kit including pressure differential switch 200-1000Pa - 230V/1Ph/50Hz (Place in order together with the filter unit)



## WALL-MOUNTED FUME XTRACTOR ICAP 2 E

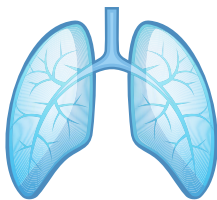
Wall-mounted filter unit with electrostatic filtration

### TECHNICAL FEATURES

Model	Extraction fan flow rate m <sup>3</sup> /h	Extractor capacity m <sup>3</sup> /h	Noise level dB (A)	Voltage kW/V/Hz	Filtration efficiency %	Dimension WxLxH mm	Total weight kg
ICAP 2.2 E	2500	1300	75	1,5/400/3/50	95	760x510x750	100

### FILTRATION


All the filters are tested / certified according to the CEN 779 - EUROVENT 4/4 - CEN EN 1822 standards



### ICAP 2.2 E

Code	Description
ICAP2E0000AA0	Wall-mounted ICAP 2.2 E - 230V/1Ph/50Hz - Filtration efficiency E11 ≥95% - Black/red
ICAP2E1000AA0	Wall-mounted ICAP 2.2 E - 400V/3Ph/50-60Hz - Filtration efficiency E11 ≥95% - Black/red




### OPTIONAL FILTERS

Active carbons filter	Code	Description
	RF0ICAP200003	Kit replacement filters for ICAP 2 including: active carbons filter

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WALL-MOUNTED FILTER UNIT FOR WELDING FUMES


## REPLACEMENT FILTERS


Replacement filters	Code	Description
	RF0ICAP200008	Kit replacement filters for ICAP 2 including: spark arrestor, wavy filter, electrostatic cell
	RF0ICAP200001	Kit replacement filters for ICAP 2 including: spark arrestor, wavy filter
	RF0ICAP200009	Kit replacement filters for ICAP 2 including: electrostatic cell
	RF0ICAP200010	Kit replacement filters for ICAP 2 including: 3 m cable with power connector
	RF0ICAP200011	Kit replacement filters for ICAP 2 including: power supply device for electrostatic cell
	RF0ICAP200012	Kit replacement filters for ICAP 2 including: wire tension springs (20 pcs)
	RF0ICAP200013	Kit replacement filters for ICAP 2 including: tungsten ionizing wires (10 pcs)
	RF0ICAP200015	Electric box and clogged filter alarm
Rinsing liquid	Code	Description
	RF0ICAP200014	Rinsing liquid (10 kg) for electrostatic cell


## ACCESSORIES FOR ALL VERSIONS OF ICAP 2


### ARTICULATED ARMS

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

	ARMOTECH125201	ARMOTECH articulated arm - Ø 125 mm - L. 2000 mm
	ARMOTECH125301	ARMOTECH articulated arm - Ø 125 mm - L. 3000 mm
	ARMOTECH125401	ARMOTECH articulated arm - Ø 125 mm - L. 4000 mm
	ARMOTECH160201	ARMOTECH articulated arm - Ø 160 mm - L. 2000 mm
	ARMOTECH160301	ARMOTECH articulated arm - Ø 160 mm - L. 3000 mm
	ARMOTECH160401	ARMOTECH articulated arm - Ø 160 mm - L. 4000 mm

PAB extension for articulated arms	Code	Description
	PAB16000001000	Extension PAB 1 for extraction arm Ø 160 mm - L. 1000 mm
	PAB16000002000	Extension PAB 1 for extraction arm Ø 160 mm - L. 2000 mm
	PAB16000003000	Extension PAB 1 for extraction arm Ø 160 mm - L. 3000 mm
	PAB16000004000	Extension PAB 1 for extraction arm Ø 160 mm - L. 4000 mm


Adapter	Code	Description
	ACC0ICAP200010	Adapter for connection of PAB extension onto ICAP wall standing unit

Adapter for twin arm	Code	Description
	DBICAP2000001	Plate with double hole Ø 160 mm




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## EXTRACTOR FANS

EV extractor fan	Code	Description
	EV018020150M04	EV 18 extractor fan 1,5kW 230V 50Hz - Q max 2300 m <sup>3</sup> /h 1580Pa - Including adapter for flexible hose Ø 180 mm
	EV018020150T04	EV 18 extractor fan 1,5kW 400V 50-60Hz - Q max 2300 m <sup>3</sup> /h 1580Pa - Including adapter for flexible hose Ø 180 mm

## SWITCHES AND ELECTRICAL PANELS

Switches and electrical panels	Code	Description
	QEINT32A4P000	Switch disconnector 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

Clogged filter alarm	Code	Description
	KITSIF2001000	Clogged filter alarm kit including pressure differential switch 200-1000Pa - 230V/1Ph/50Hz (Place in order together with the filter unit)