

OPTIONAL

- **[MN/DG/BATT/ST]** Battery-powered digital pressure gauge with support bracket and filter connection
- **[ELP/R10/25A]** ELP arm, Ø 100 mm, 2.6 m with inlet chamber
- **[ELP/R15/3A]** ELP arm, Ø 150 mm, 3.2 m with inlet chamber
- **[ELP/R20/3C]** ELP arm, Ø 200 mm, 3.2 m with inlet chamber
- **[PST/AL]** Version with 2 arms
- **[ASS]** Final filtration stage with H13 absolute filters
- **[CART/ANTIST]** Version with antistatic cartridge
- **[CART/FIN123/DT]** Version with DT TopBlend cartridge
- **[FIN123/CARB]** Carbon filter at the outlet (10 kg)
- **[TRAM/SEC]** Hopper and bucket
- **[TRAM/SEC/ROX]** Hopper + roller ST30C 0.75 KW with roller interlock door - Discharge ht. 1000 mm
- **[FIN123/ATEX3D]** ATEX EX II 3D execution
- **[FIN123/INOX]** AISI 304 stainless steel execution
- **[PUL/A/PRO]** Control panel with automatic cleaning with integrated ECOSERIAL - cleaning according to the pressure drop
- **[PUL/A/EX22/PRO]** Control panel with automatic cleaning with external ECOSERIAL ATEX EX II 3D - cleaning according to the pressure drop
- **[PAVA]** Air inlet chamber with spark-trap and water tank
- **[RID/PRES]** Pressure reducer with 1/2 "manometer

SPARE PARTS

- **[RUOTE/F]** Braking wheels, Ø 100 mm
- **[RUOTE/N]** Non-braking wheels, Ø 100 mm
- **[CART/P6]** Polyester cartridge, Ø 320 mm, ht.600 mm
- **[SUP/ELP]** Arm attachment air inlet chamber
- **[BOMB/F]** Compressed air tank
- **[ASS/AP]** Absolute filter, efficiency 99.95% H13 - no flanges 610 x 610 x 292 mm
- **[SECCH/420]** Wheeled bucket with lid, Ø 420 mm x ht 600 mm, 83 lt
- **[VIB/EL]** Vibrator (for old versions)
- **[PAR/25]** Rubber hose, Ø 250 mm (for old versions)
- **[FASPAR25]** Spring clamp, Ø 250 mm, for rubber hose (for old versions)

PRODUCTIONS





USE

- Suction of welding fumes

FEATURES

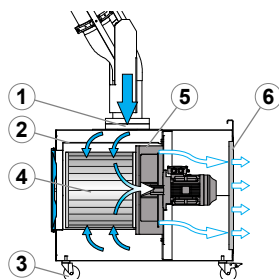
- Sturdy construction in carbon steel sheet welded and painted in RAL 7024
- Air inlet with protection cover for cartridges
- System to control cartridge filter clogging, with alarm
- Filtration with high efficiency cartridge with TopBlend filter media technology, BIA class M certification
- Painted and electronically balanced iron impeller
- Supplied with standard Elefantino ELPR arm
- Start switch with emergency button
- Ease of use with easily accessible filters for replacement

TECHNICAL DATA

MODEL	POWER kW	FLOW RATE m ³ /h	ARM mm	CARTRIDGE FILTER mm	FILTERING SURFACE m ²	ACTIVATED CARBON Kg	NOISE dB(A)	WEIGHT Kg
ECODCE	1,5	1300	-	Ø 380 - ht. 350	17.5	5	72	110
ECODCE/S	1,5	1300	-	Ø 380 - ht. 350	17.5	-	72	105
ECODCE/ELPR	1,5	1300	ELPR (Ø 150, lg. 3200)	Ø 380 - ht. 350	17.5	5	72	133
ECODCE/S/ELPR	1,5	1300	ELPR (Ø 150, lg. 3200)	Ø 380 - ht. 350	17.5	-	72	128

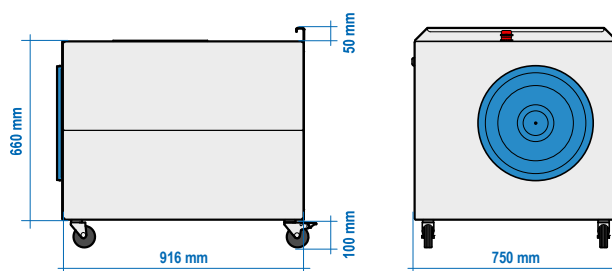
* Voltage: 400V / 3~

OPERATION



1. Polluted air inlet
2. Protection cover for cartridge
3. Swiveling wheels
4. Cartridge filter
5. Fan
6. Activated carbon filter (no ECODCE/S)

DIMENSIONS



OPTIONAL

- **[MN/DG/BATT]** Battery-powered digital pressure gauge
- **[CARB/ECODCE10]** Activated carbon panel - Kg 10
- **[ASS1/ED]** ASS1/ED final filtration stage with H13 absolute filter

SPARE PARTS

- **[CARB/ECODCE]** Carbon replacement panel - Kg 5
- **[PREF/ECODCE]** Panel with synthetic filter for ECODCE/S
- **[CART/EDCE/23]** TopBlend cartridge Ø 380, ht. 350 mm
- **[ASS/AP]** Absolute filter, efficiency 99.95% H13
- **[RUOTE/F]** Braking wheels, Ø 100 mm
- **[RUOTE/N]** No-braking wheels, Ø 100 mm
- **[ECODCE/TRM/23]** Three-phase motor protector for ECODCE



DCE N-1

USE

- Extraction of fumes in unpredictable locations
- Suction of welding fumes, metal fumes, gases, vapors, odors, low concentration dust

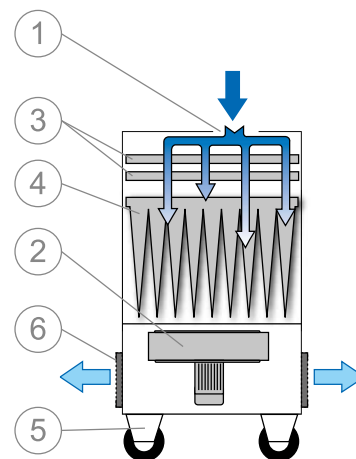
FEATURES

- Rugged construction in carbon steel sheet welded and painted in RAL 7024
- Complete with 2 spark-trap metal prefilters, pocket filter MF95/V high efficiency F7 and 3 activated carbon panels
- Painted and electronically balanced iron impeller, spark-proof execution
- Activated carbon panels in perforated sheet metal
- Available with or without suction arm
- Starter switch with release coil
- Ease of use with easily accessible filters and quick replacement



DCE N-2

OPERATION



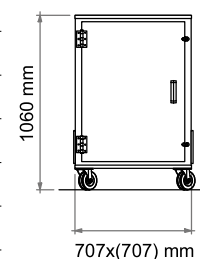
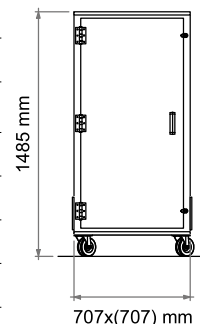
1. Polluted air inlet
2. Centrifugal fan
3. Metallic prefilter
4. Pocket filter
5. Swiveling wheels
6. Activated carbon cartridges (on some models only)

TECHNICAL DATA

MODEL	POWER kW	MAX FLOW RATE m ³ /h	FILTERING SURFACE m ²	ARMS n	Ø SUCTION mm	ACTIVATED CARBON Kg	NOISE dB(A)	WEIGHT Kg
DCE N [Version with internal fan, MF 95/V pocket filter (ht. 740 mm), 3 activated carbon panels]								
DCEN/07	0,75	1000	8,8	no	150	16	72	120
DCEN/15	1,5	1300	8,8	no	150	16	73	125
DCEN/22	2,2	1600	8,8	no	150	16	74	135
DCEN/07-1B1	0,75	1000	8,8	1	150	16	72	140
DCEN/15-1B1	1,5	1300	8,8	1	150	16	73	145
DCEN/22-1B1	2,2	1600	8,8	1	150	16	74	150
DCEN/15-1B2	1,5	1300	8,8	1	200	16	73	160
DCEN/15-2B1	1,5	1300	8,8	2	150	16	73	160
DCEN/22-1B2	2,2	1600	8,8	1	200	16	74	165
DCEN/22-2B1	2,2	1600	8,8	2	150	16	74	165
DCE NE [Version with internal fan, MF 95/VNE pocket filter (ht. 280 mm), 2 activated carbon panels]								
DCENE/07	0,75	1000	3,4	no	150	10,5	72	115
DCENE/15	1,5	1300	3,4	no	150	10,5	73	120
DCENE/22	2,2	1600	3,4	no	150	10,5	74	125
DCENE/07-1B1	0,75	1000	3,4	1	150	10,5	72	135
DCENE/15-1B1	1,5	1300	3,4	1	150	10,5	73	140
DCENE/22-1B1	2,2	1600	3,4	1	150	10,5	74	145
DCE N ATEX [For ATEX 22 Ex II 3D zones, with internal fan, MF 95/V pocket filter (ht. 740 mm), 3 activated carbon panels]								
DCE/N1C/EX	0,75	1000	8,8	no	150	16	72	120
DCE/N2C/EX	1,5	1300	8,8	no	150	16	73	125
DCE/N3C/EX	2,2	1600	8,8	no	150	16	74	135
DCE/N1/1C/EX	0,75	1000	8,8	1	150	16	72	140
DCE/N1/2C/EX	1,5	1300	8,8	1	150	16	73	145
DCE/N1/3C/EX	2,2	1600	8,8	1	150	16	74	150
DCE/N2/2C/EX	1,5	1300	8,8	2 (150) / 1 (200)	150	16	73	160
DCE/N2/3C/EX	2,2	1600	8,8	2 (150) / 1 (200)	150	16	73	160

Voltage: 400V three-phase

Dimensions and weight without arm. The arm measures 3.2 meters. Weight: + 23 Kg with arm of mt. 3, Ø 150 mm; + 27 Kg with arm of mt. 3, Ø 200 mm



OPTIONAL

- **[CONTAT]** Hour counter mounted externally on the machine side
- **[MAND]** Liquid differential pressure gauge
- **[MN/DG/24VAC]** Digital pressure gauge - 24VAC power supply. It needs to be set up on an control panel
- **[MN/DG/BATT]** Battery-powered digital pressure gauge
- **[DIE/F8/30]** Diedro filter 30 m² - Efficiency F8
- **[ASS/AP]** Absolute filter, efficiency 99.95%, H13

SPARE PARTS

- **[PREF]** Flat acrylic prefilter, ht 22 mm
- **[SCINT]** Flat metal prefilter, ht 22 mm
- **[MF95/V]** Glass fiber pocket filter, F7 efficiency
- **[MF95/VNE]** F7 high efficiency pocket filter
- **[CARB/KG]** AC54 Carbsorb carbon
- **[RUOTE/F]** Wheels with brake, Ø 100 mm
- **[RUOTE/N]** Wheels without brake, Ø 100 mm
- **[CAR/N]** Activated carbon panel



USE

- Small applications for suction of air polluted by solvents, VOCs, and odors
- Suction on small painting operations, washing tanks, gluing, ink applications, typography and screen printing
- Suction in operations with the presence of odors

FEATURES

- Sturdy construction in carbon steel sheet welded and painted
- Internal fan
- Prefiltration with spark-trap metal filters and/or corrugated acrylic filters
- Granular coal in activated pine wood with high adsorption capacity, ideal for removing medium/low concentration solvents
- Suction arm ELEFANTINO, ATEX EX II 3G
- Easily accessible filters for replacement

STANDARD SUPPLY

- Centrifugal fan
- Power switch
- Hour counter

RESTRICTIONS

- If the aspirated substances contain ketones (acetone), adequate fire safety systems must be studied. Ketones can cause self-ignition for activated carbons, particularly in the case of saturated carbons and prolonged downtime

EXAMPLES OF ADSORBED SUBSTANCES AND CLASSIFICATION

Class 1 High retention

Ethyl acetate - Acrylic acid - Lactic acid - Butyl alcohol - Acetic anhydride - Benzol - Camphor - Decane - Petrol - Heptane - Iode - Kerosene - Naphthalene - Nitrobenzol - Nitromethane - Octane - Toluene - Butyl acetate - Acetic acid - Sulfuric acid - Ethyl alcohol - Aniline - Bromine - Chloroform - Butyl chloride - Cyclohexane - Iodoform - Menthol - Nicotine - Ozone - Xylene

Class 2 Medium retention

Acetone - Hydrogen cyanide - Hydrogen iodide - Methyl alcohol - Sulfuric anhydride - Methyl bromide - Ethyl chloride - Hexane - Pentane - Carbon sulfide - Methyl acetate - Formic acid - Nitric acid - Chlorine - Methyl chloride - Toxic gases - Hydrogen sulphide - Various solvents

Class 3 Low retention

Acetaldehyde - Hydrochloric acid - Nitrogen dioxide - Propane - Hydrobromic acid - Hydrofluoric acid - Ammonia - Butane - Sulfur gas

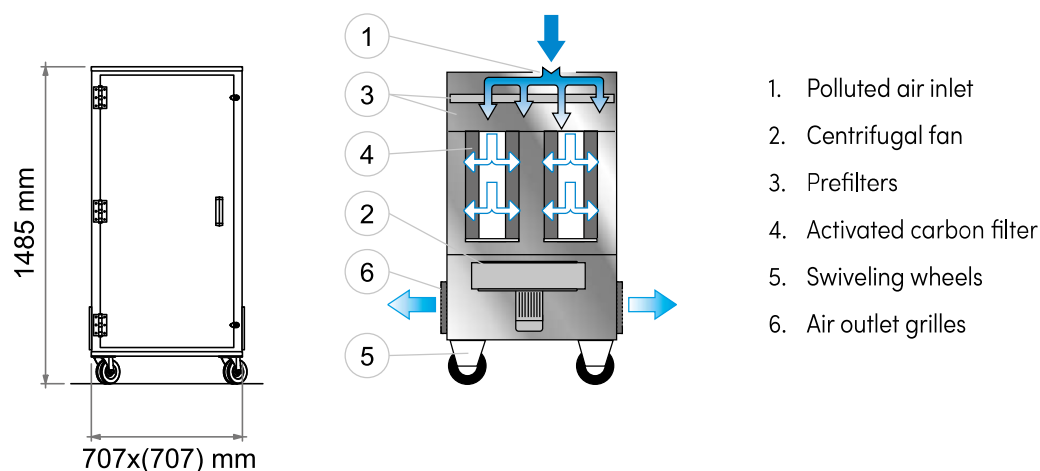
TECHNICAL DATA

MODEL	POWER kW	RECOMMENDED MAX FLOW RATE m ³ /h	ARM	ACTIVATED CARBON Kg	CARTRIDGES n / ht (mm)	CROSSING SPEED m/s *	CONTACT TIME s *	FLOW RATE (T _c = 1SEC) m ³ /h	NOISE dB(A)	WEIGHT Kg
DCE/M-N [Version without suction arm]										
DCE/M-60N	1,5	1200	optional	60	4 / 500	0,24	0,30	360	73	120
DCE/M-75N	2,2	1500	optional	75	4 / 625	0,24	0,30	450	74	135
DCE/M-B [Version with EX II 3G suction arm (arm length 3 meters)]										
DCE/M-60B	2,2	1200	EX II 3G	60	4 / 500	0,24	0,30	360	74	140
DCE/M-75B	2,2	1200	EX II 3G	75	4 / 625	0,20	0,38	450	74	160

Air flow rate tolerances and weight tolerances: ± 10%

* Values at the maximum recommended flow rate

DIMENSIONS AND OPERATION



SPARE PARTS

- **[CARB/KG]** AC54 Carbsorb carbon
- **[RUOTE/F]** Braking wheels, Ø 100 mm
- **[RUOTE/N]** No-braking wheels, Ø 100 mm
- **[PREF]** Flat acrylic prefilter, ht 22 mm
- **[SCINT]** Flat metal prefilter, ht 22 mm
- **[CAR25]** Activated carbon cartridge, Kg 7.50
- **[CAR35]** Activated carbon cartridge, Kg 11.25
- **[CAR50]** Activated carbon cartridge, Kg 15.00
- **[CAR625]** Activated carbon cartridge, Kg 18.75
- **[CAR660]** Activated carbon cartridge, Kg 20.00



DEVID/ONE/B1



DEVID/ONE

USE

- Filtration of welding fumes
- Exhaust gas filtration
- Low concentration gas, vapor and dust filtration

FEATURES

- Compact and economical solution
- Sturdy construction in painted sheet metal
- 4-stage filtration with spark-trap metal prefilter, acrylic prefilter, class F7 pocket filter (higher on request), final activated carbon filter to deodorize the filtered fumes
- Available in version: filter only; filter with fan; filter with arm and fan
- Air flow up to 4000 m³/h
- Standard supplied with 10 kg of activated carbon

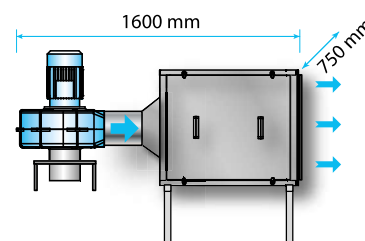
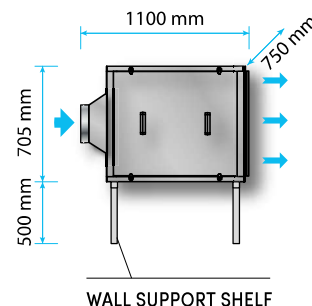
TECHNICAL DATA

MODEL	SUCTION ARMS n	FAN kW (2800 rpm)	NOMINAL MAX FLOW RATE m ³ /h	FILTRATION EFFICIENCY %	ACTIVATED CARBON Kg
DEVID/ONE	-	-	4.000	95	10
DEVID/ONE/V1	-	1,5	2.000	95	10
DEVID/ONE/V2	-	2,2	3.000	95	10
DEVID/ONE/B1	1 Ø 150 mm, lg. 4200 mm	1,5	1.350	95	10
DEVID/ONE/B2	2 Ø 150 mm, lg. 4200 mm	2,2	2.700	95	10

Tolerances: ±10%

The maximum flow rate is a recommended value and can greatly decrease depending on the pollutant

DIMENSIONS



OPTIONAL

- **[DO/SSM]** Wall support brackets
- **[MN/DG/24VAC]** Digital pressure gauge, 24VAC. Requires preparation on the control panel
- **[MN/DG/BATT]** Battery-powered digital pressure gauge (without bracket or connection materials)
- **[DIE/F8/30]** Diedro filter, 30 m², F8 efficiency

SPARE PARTS

- **[MF95/V]** Glass fiber pocket filter, F7 efficiency
- **[PREF]** Flat acrylic prefilter, ht 22 mm
- **[SCINT]** Flat metal prefilter, ht 22 mm
- **[CARB/ECODCE10]** Activated carbon panel (10 kg)

ECO DEP TORCH

COMPACT FILTER FOR WELDING FUMES



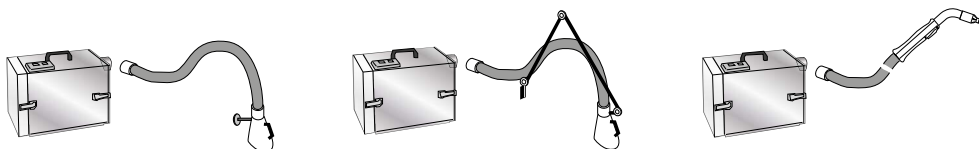
USE

- Suction of fumes in wire welding applications with suction torches
- Small non-continuous applications where extreme mobility is required

FEATURES

- Sturdy construction in carbon steel sheet welded and painted in RAL 7024
- Main filtration stage with high efficiency cartridge
- High pressure vacuum cleaner with brush motor for alternating operation
- Final filtration stage with activated carbon for odors

USAGE

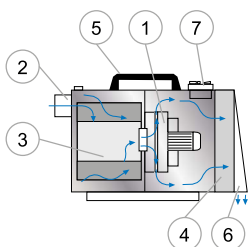


TECHNICAL DATA

MODEL	POWER kW (1~)	Ø SUCTION mm	MAX FLOW RATE m³/h	FILTERING SURFACE m²	ACTIVATED CARBON Kg	NOISE dB(A)	WEIGHT Kg	DIMENSIONS mm
MDT1	0,88	50	100	0,5	-	70	30	280 x 510 x 300
MDT1C	0,88	50	100	0,5	2	70	30	280 x 510 x 300

Tolerances: ±10% - Polyester filter - Alternate service

OPERATION



1. Fan
2. Air inlet
3. High efficiency filtering cartridge
4. Activated carbon filter
5. Handle
6. Air outlet
7. Operation switch

OPTIONAL

- **[DT/MAS]** Suction welding mask with nozzle
- **[MN/DG/24VAC]** Digital pressure gauge, 24VAC. Requires preparation on the control panel
- **[MN/DG/BATT]** Battery-powered digital pressure gauge (without bracket or connection materials)

SPARE PARTS

- **[CAR/MDT1]** Polyester cartridge Ø 225 mm, ht. 250 mm
- **[CARB/MDT1]** Activated carbon panel, 300 x 300 mm



USE

- Light mist of emulsion with water and oil

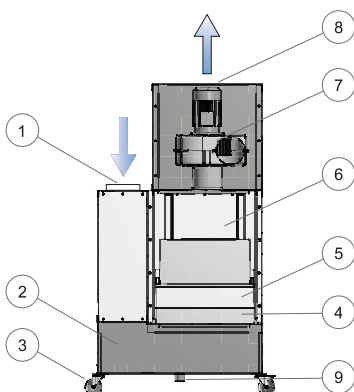
FEATURES

- Sturdy and compact construction in carbon steel sheet welded and painted in RAL 5015
- Suction arm, Ø 150 mm, length 3200 mm (on ELP models)
- Equipped with soundproofing box
- Ease of use with easily accessible filters and quick replacement
- Available in 3 versions with different powers, guaranteeing an optimal flow rate range
- Droplet separator and metal filter for a reduction of the pollutant between 60% and 80%
- Compact T1/1 filter, F6 efficiency
- Made in Italy design

TECHNICAL DATA

MODEL	POWER kW (2800 rpm)	MAX FLOW RATE m ³ /h	FILTERING SURFACE m ²	FILTRATION SPEED m/s	NOISE dB(A)	DIMENSIONS mm	WEIGHT Kg
AS CAR ELP [Version with suction arm and with soundproofing box]							
AS1/CAR/ELP	0,75	1100	17	1,08	72	1000 x 860 x 1900	130
AS2/CAR/ELP	1,5	1200	17	1,47	73	1000 x 860 x 1900	135
AS3/CAR/ELP	2,2	1300	17	1,96	74	1000 x 860 x 1900	140
AS CAR [Version without suction arm and with soundproofing box]							
AS1/CAR	0,75	1100	17	1,08	72	1000 x 860 x 1900	130
AS2/CAR	1,5	1500	17	1,47	73	1000 x 860 x 1900	135
AS3/CAR	2,2	2000	17	1,96	74	1000 x 860 x 1900	140

OPERATION



1. Air inlet
2. Calm chamber
3. Wheels
4. Droplet separator
5. Metallic prefilter
6. High efficiency filter
7. Centrifugal fan
8. Air outlet
9. Condensate drain

OPTIONAL

- **[MN/DG/BATT/ST]** Battery-powered digital pressure gauge with support bracket and filter connection
- **[ASS1/AP/AS]** Final filtration stage with H13 absolute filter

SPARE PARTS

- **[G1/1]** Droplet separator
- **[SCINT/98]** Corrugated metal prefilter, ht 98 mm
- **[T1/1]** Compact filter, 17 m² filtering surface, F6 efficiency
- **[ELP/R15/3A]** ELP suction arm, Ø 150 mm, lg. 3.2 mt, with air inlet chamber