



ARM

SPRING REELS WITHOUT FAN

ARM-SN available with reel,
without flex, nozzle
and hose stop



ARMV

SPRING REELS WITH FAN

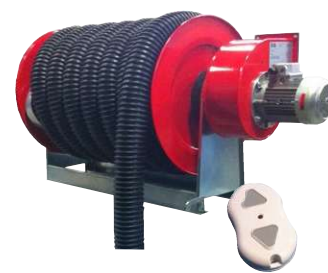
ARMV-SN available with reel,
without flex, nozzle
and hose stop



ART

MOTORIZED REELS WITHOUT FAN

ART-SN available with reel,
without flex, nozzle
and hose stop



ARTV

MOTORIZED REELS WITH FAN

ARTV-SN available with reel,
without flex, nozzle
and hose stop

USE

- Exhaust gas extraction for cars, motorcycles and other industrial and agricultural vehicles
- Single and centralized plants in car repair shops, overhaul and testing centers, garages, body shops, warehouses and car parks
- Exhaust gas extraction systems in both civil and industrial contexts

FEATURES

- Very high air extraction rate
- Anti-crushing flex hose resistant to 150 °C
- Turntable with steel ball bearings to facilitate rotation
- 0.75 kW fan also in the basic version for a higher suction power
- Reel structure in very sturdy painted sheet metal
- Statically and dynamically balanced fan
- Motorized version with the rotation actuator invisible inside the cylinder
- Customizations

STRENGTHS

- Motorized version with invisible actuator inside the cylinder
- Sturdy construction to ensure durability
- 0.75 kW fan also in the basic version for a higher suction power
- Turntable with steel ball bearings to facilitate rotation

SIZING

Air flow required for extraction of vehicle exhaust gases:

$$Q = cc \times rpm \times 0,0000363 \times 1.25$$

VEHICLE	OPERATION	ENGINE DISPLACEMENT cc	ENGINE RPM DURING ASPIRATION rpm	AIR FLOW REQUIRED m³/h
Cars and motorbikes	Maintenance	4000	2500	450
	Engine testing	4000	5000	900
Heavy vehicles	Maintenance	16000	1500	1000
	Engine testing	16000	2500	1800

Required pipe diameter for extraction of exhaust gases from a vehicle



Ø 75 mm - 250 m³/h



Ø 100 mm - 450 m³/h



Ø 125 mm - 700 m³/h



Ø 150 mm - 1000 m³/h

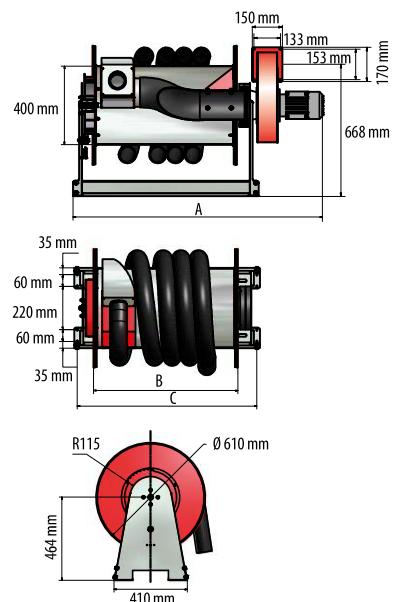
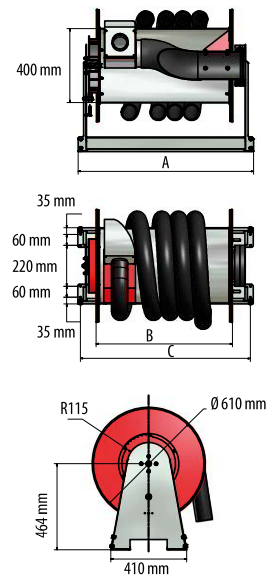
TECHNICAL DATA

MODEL		Ø PIPE mm	PIPE LENGTH m	Ø OUTLET mm	POWER kW	WEIGHT* Kg	A mm	B mm	C mm
ARM75/75	ART75/75	75	7,5	150	-	40	945	737	917
ARM75/10	ART75/10	75	10	150	-	43	945	737	917
ARM75/125	ART75/125	75	12,5	150	-	47	1147	937	1117
ARM75/15	ART75/15	75	15	150	-	50	1147	937	1117
ARM100/75	ART100/75	100	7,5	150	-	42	945	737	917
ARM100/10	ART100/10	100	10	150	-	45	1147	937	1117
ARM100/125	ART100/125	100	12,5	150	-	49	1147	937	1117
ARM100/15	ART100/15	100	15	150	-	53	1147	937	1117
ARM125/75	ART125/75	125	7,5	150	-	43	1147	937	1117
ARM125/10	ART125/10	125	10	150	-	47	1447	1237	1417
ARM125/125	ART125/125	125	12,5	150	-	53	1447	1237	1417
ARM150/75	ART150/75	150	7,5	150	-	45	1147	937	1117
ARM150/10	ART150/10	150	10	150	-	50	1147	937	1117

The ART models have an additional weight of 6 kg compared to the equivalent ARM models
ARM-SN and ART-SN models available with reel, without flex, nozzle and hose stop

ARMV75/75	ARTV75/75	75	7,5	150	0,75	70	1265	737	917
ARMV75/10	ARTV75/10	75	10	150	0,75	73	1265	737	917
ARMV75/125	ARTV75/125	75	12,5	150	0,75	77	1465	937	1117
ARMV75/15	ARTV75/15	75	15	150	0,75	80	1465	937	1117
ARMV100/75	ARTV100/75	100	7,5	150	0,75	72	1265	737	917
ARMV100/10	ARTV100/10	100	10	150	0,75	75	1465	937	1117
ARMV100/125	ARTV100/125	100	12,5	150	0,75	79	1465	937	1117
ARMV100/15	ARTV100/15	100	15	150	0,75	83	1465	937	1117
ARMV125/75	ARTV125/75	125	7,5	150	0,75	73	1465	937	1117
ARMV125/10	ARTV125/10	125	10	150	0,75	77	1465	937	1117
ARMV125/125	ARTV125/125	125	12,5	150	0,75	83	1765	1237	1417
ARMV150/75	ARTV150/75	150	7,5	150	1,1	75	1465	937	1117
ARMV150/10	ARTV150/10	150	10	150	1,1	80	1465	937	1117

ARTV models have an additional weight of 6 kg compared to equivalent ARMV models
ARMV-SN and ARTV-SN models available with reel, without flex, nozzle and hose stop



ACCESSORIES

DCF [Centrifugal electric fans for reels, made of painted steel sheet. For low/medium prevalence]

	MODEL	POWER	ENGINE REVOLUTIONS	MAX AIR FLOW RATE	ΔP MAX	NOISE
		kW	rpm	m ³ /h	mm H ₂ O	dB(A)
	DCF72	0,75	2900	2000	100	76
	DCF72-B	1,1	2900	2200	120	77
	DCF82	1,5	2900	2500	150	78

FT [Hose clips for flexible pipes, equipped with anti-skid system]

	MODEL	Ø
		mm
	FT75	75
	FT100	100
	FT125	125
	FT150	150

ARBUS 180 [Anti-crushing rubber hose for temperatures up to 150 °C (not continuous)]



Models with Ø: 75 - 100 - 125 - 150 - 200 mm.
Lengths available: 5 - 10 - 15 m

FLEX AT [Silicone coated glass fabric hose for suction at temperatures up to 300 °C (not in the anti-crushing version)]



Models with Ø: 51 - 102 - 121 - 140 - 152 - 182 - 203 - 254 mm.
Lengths available: 5 - 7,5 - 10 - 13 - 15 - 20 m

FAS [Hose clamps]



Models with Ø: 60 - 75 - 100 - 125 - 150 mm

BAIO [Bayonet fittings]



Models with Ø: 60 - 75 - 100 - 125 - 150 mm

PPF [Flanges for floor manholes]

	MODEL	
	PPF75	Flange for floor pit 300 x 300 x 25 mm, for flexible pipes Ø 75 mm and Ø 100 mm
	PPF125	Flange for floor pit 360 x 360 x 25 mm, for flexible pipes Ø 125 mm and Ø 150 mm

PPF/C [Well tube housing cones]

	MODEL	
	PPF/C75	Housing cone for pit PPF125, for flexible pipe Ø 75 mm (with pvc pipe Ø 125 mm)
	PPF/C100	Housing cone for pit PPF125, for flexible pipe Ø 100 mm (with pvc pipe Ø 160 mm)
	PPF/C100G	Housing cone for pit PPF125, for flexible pipe Ø 100 mm, with grille with GRNG clamp (with pvc pipe Ø 160 mm)
	PPF/C125	Housing cone for pit PPF125, for flexible pipe Ø 125 mm (with pvc pipe Ø 180 mm)
	PPF/C150	Housing cone for pit PPF125, for flexible pipe Ø 100 mm (with pvc pipe Ø 200 mm)

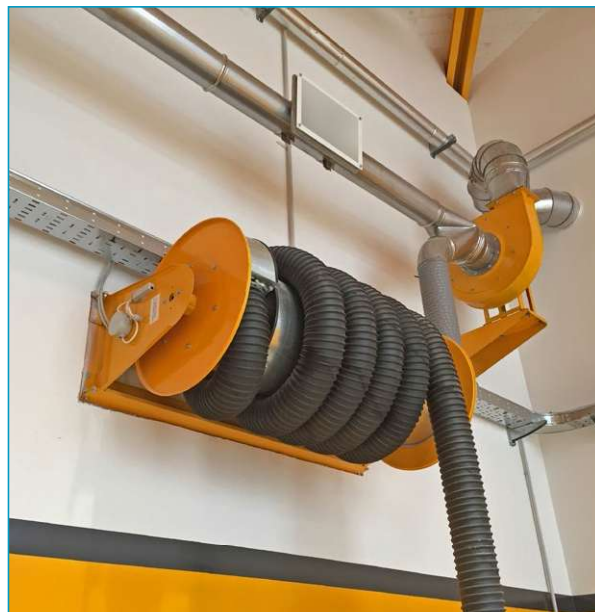
CS/PPF [Underfloor cones for plug-in curve]

	MODEL	
	CS/PPF75	Reduction underfloor cone for pit PPF75, from Ø 200 mm to Ø 97 mm
	CS/PPF125	Reduction underfloor cone for pit PPF75, from Ø 200 mm to Ø 147 mm

CIP [Plug-in curves for cockpit]

	MODEL	Ø HOSE CONNECTION mm
	CIP75	75
	CIP100	100
	CIP125	125
	CIP150	150

PRODUCTIONS





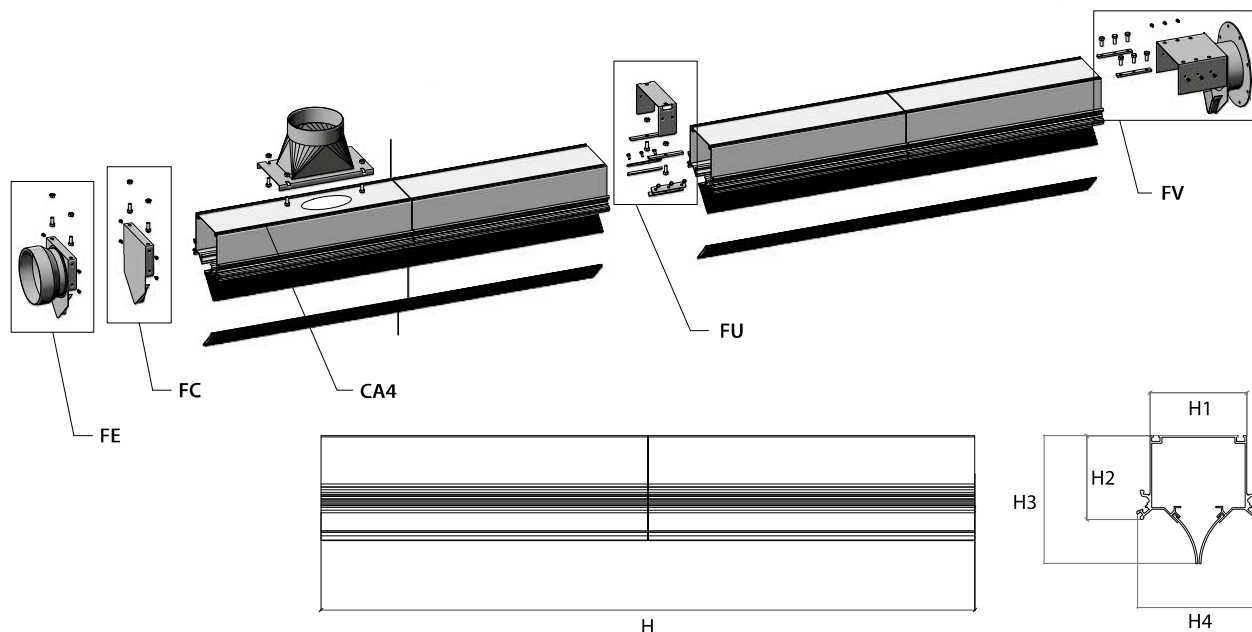
USE

- Vehicle exhaust gas extraction
- Car repair shops, overhaul and testing centers, garages, body shops, warehouses and parking lots
- Workshops with workstations arranged in line and with low simultaneous suction
- Situation where it is necessary to follow the moving vehicle during the phases

FEATURES

- Track in extruded aluminum, with rectangular section
- Sealing lips in neoprene rubber
- Self-supporting structure
- Ceiling and/or beam fixing
- External sliding of the carriages (to avoid occlusion or sliding problems)
- Supplied in modules of 4 meters
- Available with equivalent tube diameter of 160 and 202 mm

TECHNICAL DATA



CA4 [Tracks]

MODEL	Ø EQUIVALENT PIPE	H (TRACK LENGTH)	H1	H2	H3	H4
	mm	mm	mm	mm	mm	mm
CA4-1	160	4000	158	137	311	200
CA4-2	202	4000	190	185	360	222

F [Flanges]

MODEL		
For CA4-1	For CA4-2	
FC1	FC2	Closing flange
FV1	FV2	Fan connection flange
FE1	FE2	Pipe connection flange
FU1	FU2	Joining tracks flange

STM [Wall brackets]

MODEL	
STM500	Wall fixing bracket, 500 mm
STM1000	Adjustable wall fixing bracket, from 500 to 1000 mm

STS [Ceiling brackets]

MODEL	
STS	Ceiling bracket, 60 mm
STS/IPE	STS fixing kit on IPE beams
STS/SB	STS sandwich fixing kit

ACCESSORIES

RCS [Mechanical spring recuperators for tube support at rest]

	MODEL	CABLE LENGTH (m)	Ø Pipe (mm)
	RCS100	3	75÷100
	RCS150	3,5	125÷150
	RCSECO	1,65	75÷150

CS [Sliding trolleys for flexible pipes]

	MODEL	Ø Pipe (mm)
	CS75	75
	CS100	100
	CS125	125
	CS150	150

ATS [Suspended pipe connections for flexible pipes]

	MODEL	Ø Pipe (mm)
	ATS75	75
	ATS100	100
	ATS125	125
	ATS150	150

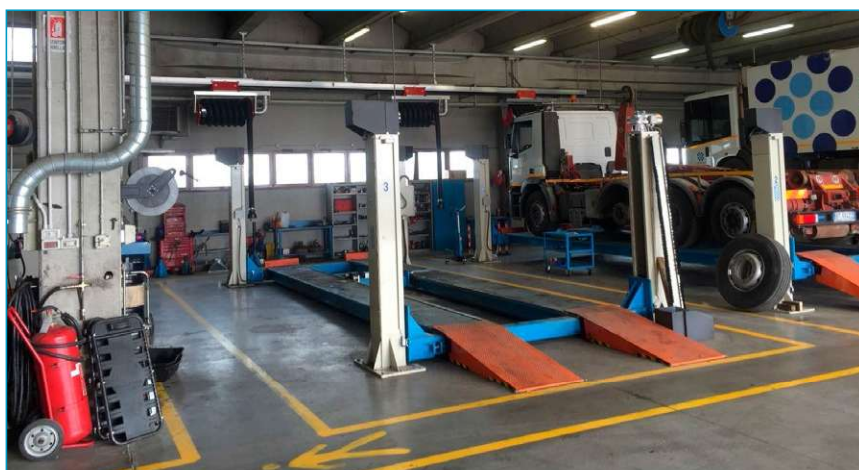
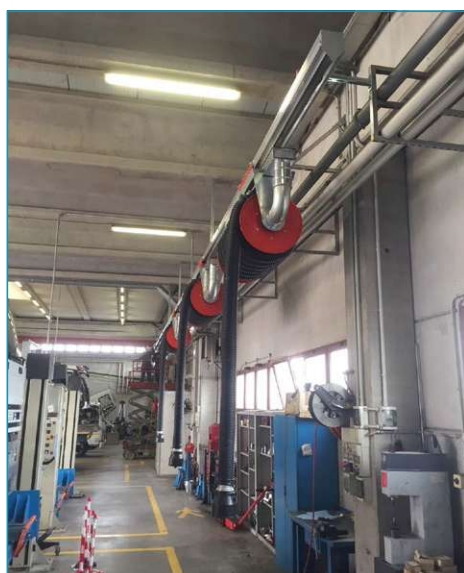
CARR [Sliding trolleys for reels]

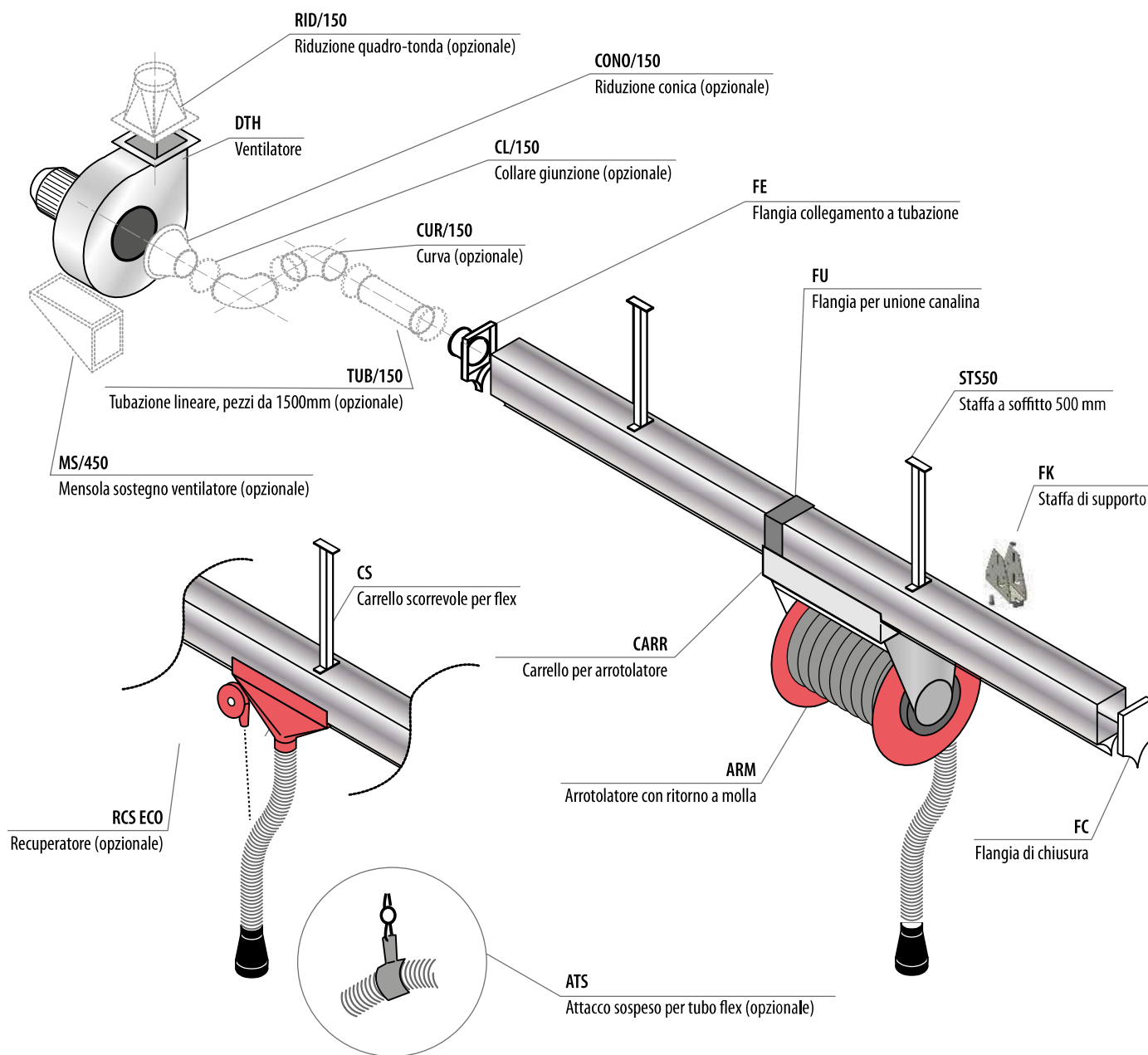
	MODEL	Ø reel (mm)
	CARR75	75
	CARR100	100
	CARR125	125
	CARR150	150

CE 4-2 [5-plate electrification track for transmitting electrical signals to and from sliding elements]

	MODEL	Length (mm)
	CE 4-2	4

PRODUCTIONS





KIT FLEX

KIT ARM

USE

- Vehicle exhaust gas extraction for garages, overhaul and testing centers, body shops
- Where it is necessary to follow the moving vehicle

FEATURES

- Standard kit with track, fan, reel with trolley (KIT ARM), trolley for flex (KIT FLEX), joints, ceiling brackets, closing and connection flanges, nozzle
- Flexible pipe resistant to 150 °C

TECHNICAL DATA

MODEL		TRACK LENGTH m	Ø PIPE mm	PIPE LENGTH m	FAN POWER kW (2800 rpm)	JOINTS n	CEILING BRACKETS n
KIT ARM (with spring reel)	KIT FLEX (with sliding carriage for flex)						
KITARM4/75/75	KITFLE4/75/75	4	75	7,5	1,5	0	2
KITARM8/75/75	KITFLE8/75/75	8	75	7,5	1,5	1	5
KITARM12/75/75	KITFLE12/75/75	12	75	7,5	2,2	2	6
KITARM4/75/10	KITFLE4/75/10	4	75	10	1,5	0	2
KITARM8/75/10	KITFLE8/75/10	8	75	10	1,5	1	5
KITARM12/75/10	KITFLE12/75/10	12	75	10	2,2	2	6
KITARM4/100/75	KITFLE4/100/75	4	100	7,5	1,5	0	2
KITARM8/100/75	KITFLE8/100/75	8	100	7,5	1,5	1	5
KITARM12/100/75	KITFLE12/100/75	12	100	7,5	2,2	2	6
KITARM4/100/10	KITFLE4/100/10	4	100	10	1,5	0	2
KITARM8/100/10	KITFLE8/100/10	8	100	10	1,5	1	5
KITARM12/100/10	KITFLE12/100/10	12	100	10	2,2	2	6

The fan is suitable for a pipe with a maximum length (before and after the fan) of 6 meters and 2 bends



USE

- Exhaust gas extraction for cars, motorcycles and other industrial and agricultural vehicles
- Single and centralized plants in car repair shops, overhaul and testing centers, garages, body shops, warehouses and car parks
- Exhaust gas extraction systems in both civil and industrial contexts

FEATURES

- 0.75 kW fan also in the basic version for a higher suction power
- Very sturdy painted sheet metal structure
- Statically and dynamically balanced fan
- Wall bracket for pipe (STT) already included in the MONO and DOUBLE kits
- Flexible pipe resistant to 150 °C
- Customizations

TECHNICAL DATA

MODEL	PIPE LENGTH m	Ø PIPE mm	Ø EXPULSION mm	POWER kW	VOLTAGE V/Hz	MAX FLOW RATE m³/h	NOISE dB(A)	WEIGHT Kg
MONO75/25	2,5	75	100	0,75	380 / 50	320	62	18
MONO75/5	5	75	100	0,75	380 / 50	320	62	20
MONO100/25	2,5	100	100	0,75	380 / 50	550	65	21
MONO100/5	5	100	100	0,75	380 / 50	550	65	24
DOPPIO75/25	2 x 2,5	75	100	1,1	380 / 50	500	62	20
DOPPIO75/5	2 x 5	75	100	1,1	380 / 50	500	62	22
DOPPIO75/75	2 x 7,5	75	100	1,1	380 / 50	500	62	23
DOPPIO75/10	2 x 10	75	100	1,1	380 / 50	500	62	24
DOPPIO100/25	2 x 2,5	100	100	1,1	380 / 50	1000	65	24
DOPPIO100/5	2 x 5	100	100	1,1	380 / 50	1000	65	27
DOPPIO100/75	2 x 7,5	100	100	1,1	380 / 50	1000	65	24
DOPPIO100/10	2 x 10	100	100	1,1	380 / 50	1000	65	27

TECHNICAL DATA

BTD [Forprene nozzles with diaphragm cap and hole for probe]

	MODEL	Ø SUCTION INLET	Ø PIPE
		mm	mm
	BTD120/75	120	75
	BTD160/75	160	75
	BTD160/100	160	100
	BTD200/75	200	75
	BTD200/100	200	100
	BTD200/120	200	120
	BTD200/150	200	150

BPB [Forprene nozzles with locking pliers and hole for probe]

	MODEL	Ø SUCTION INLET	Ø PIPE
		mm	mm
	BPB120/75	120	75
	BPB160/75	160	75
	BPB160/100	160	100
	BPB200/75	200	75
	BPB200/100	200	100
	BPB200/120	200	120
	BPB200/150	200	150

BZM [Metal sheet nozzles with spring driven cup]

	MODEL	Ø SUCTION INLET	Ø PIPE
		mm	mm
	BZM90/75	90	75
	BZM100/100	100	100
	BZM150/125	150	125
	BZM150/150	150	150

SPT1 - SPT2 [Adjustable supports]



Height and width adjustable supports for nozzles



USE

- Exhaust gas extraction for cars, motorcycles and other industrial and agricultural vehicles
- Situations where fixed wall or ceiling extraction systems are not available

FEATURES

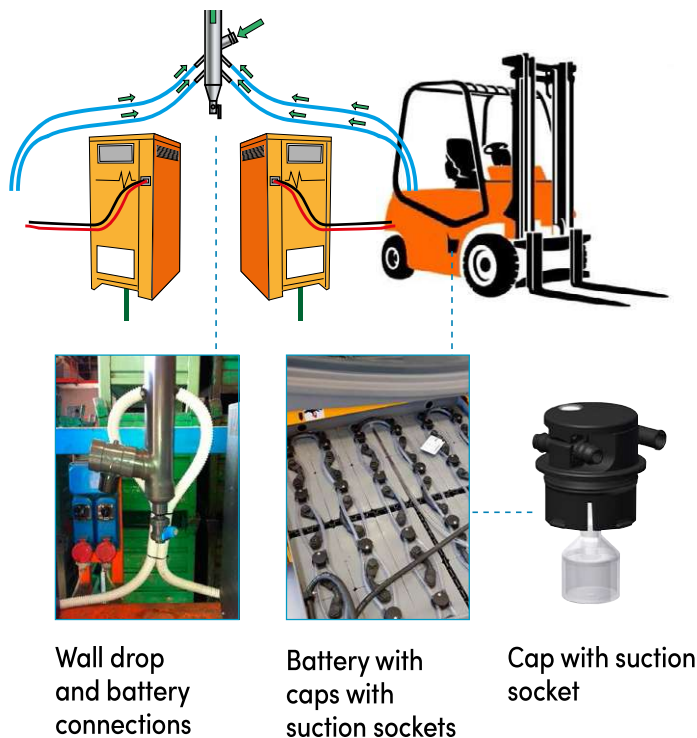
- 0.37 kW fan for superior suction power
- Statically and dynamically balanced fan
- Painted steel structure mounted on a support with wheels
- Height adjustable by crank
- Complete with emergency button
- Customizations

TECHNICAL DATA

MODEL	POWER kW (2800 rpm)	Ø PIPE mm	MAX FLOW RATE m ³ /h	NOISE dB(A)
AUTOVENT	0,37	120	450	73

OPTIONAL

- **[FLEX120/5]** Flexible PVC hose, Ø 120 mm, length 5 m
- **[FLEX120/10]** Flexible PVC hose, Ø 120 mm, length 10 m
- **[ARBUS180/125/5]** Anti-crushing hose 150 °C, Ø 125 mm, length 5 m
- **[ARBUS180/125/10]** Anti-crushing hose 150 °C, Ø 125 mm, length 10 m

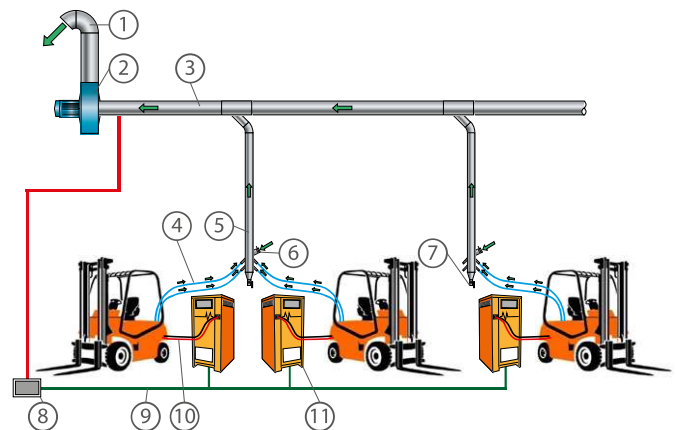


FEATURES

- Systems with direct gas suction through special battery caps equipped with two sockets: one traditional for topping up and one for suction of the gases that are generated
- Much less "invasive" system compared to traditional ventilation systems with hoods or extraction arms
- Energy savings in electricity and heating consumption as the air moved is much lower than traditional systems
- Very small pipes and fans by virtue of the very little air needed to maintain adequate depression inside the coils
- Probe that acts as an interlock for the stations, preventing the batteries from being charged in the event of no suction
- It is not necessary to set up a charging area outside the building, where forklifts, very expensive machinery, would be subjected to the action of atmospheric agents

COMPONENTS

1. Air expulsion into the atmosphere
2. Centrifugal fan
3. Main piping
4. Connections to the battery
5. Drop to the wall
6. False air damper
7. Condensate drain valve
8. Forklift charge interlock in case of lack of suction
9. Electrical connection to charging stations
10. Electric cables for battery charger
11. Charging station



PRODUCTIONS

