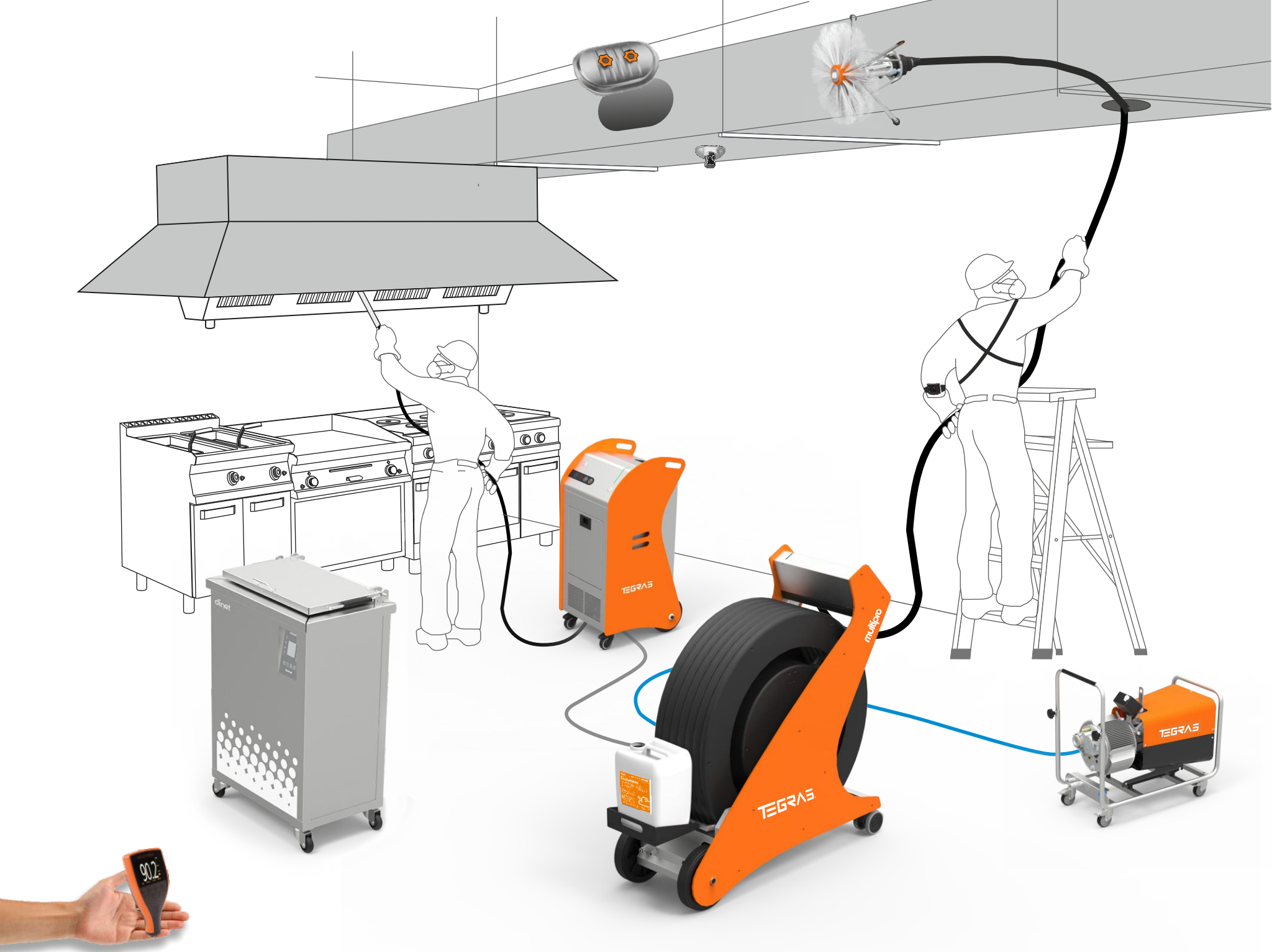


360°
for your cleaning
business in kitchen
extraction
systems



01

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THE INVISIBLE ENEMY



How often do we hear about fires in restaurants in the news? The truth is that if we start to count them, we would be surprised. How often are we told what causes them? We will soon realise when we pay attention that it is never explained, but the main cause is always the same GREASE



Grease accumulates on the different elements of the kitchen's extraction system, and is always the element which triggers the fire, which makes it very dangerous, but in fact it is relatively easy to remove.



Apart from the fire hazard, grease is also the cause of other potentially dangerous risks, as it generates contamination and the proliferation of disease, mould, fungus and bacteria that can make us ill.



Grease also creates irritating smoke and bad smells that can have a negative effect on your clients' reputation, which is another reason, if not the most important, to make sure the extraction systems are thoroughly cleaned.



Anything else? Well, yes. Grease will build up and block the conduits, eventually paralyzing the extraction system, leading to a reduction in the performance of the installation and an increase in energy consumption.



A general in-depth cleaning of the kitchen extraction system, followed by posterior maintenance cleaning of the same, is the only guarantee of a healthy, safe installation.



REGULAR CLEANING WOULD HAVE PREVENTED IT

Industrial kitchens are equipped with an extraction system designed to evacuate to evacuate smoke and odors. The extracted fumes carry a high degree of grease grease that accumulates in the filters, hood, ducts and filters, hood, ducts and extractor fan. extractor. This grease is highly flammable, and is responsible for most of themost of the fires that occur in restaurants. for most of the fires in restaurants.In addition, dirty systems cause the fan to work the fan to work forced, consuming more energy than necessary energy than necessary, generating bad odors, due to inadequate ventilation. Periodic cleaning of these systems of these systems, all these unnecessary risks unnecessary risks.

01

DUCT BRUSHING ROBOTS

PNEUMATIC ACTION

The brush robots were designed to make cleaning faster and more efficient inside the exhaust ducts, the force of the powerful pneumatic motor with the injection of alkaline foam makes cleaning easy even with the most stubborn grease.



multi^{pro}

Exhaust duct cleaning system

Advanced pneumatic rotary brush unit, with **integrated active foam generator**, for the cleaning of kitchen exhaust ducts and industrial facilities.

Integrated foaming system

Generates the active foam that adheres to the entire duct surface. There is no need for additional equipment.

Comegras storage

Place the degreaser container that generates the active foam.



PNEUMATIC

For ducts up to

1000 mm

Hose lenght

30 meters

Self-leveling camera

Provide upright images at all times even when the camera is tilted. **Visualizes and cleans at the same time.** [Optional]





air compressor AR20
[No included]
COD. CO3330202

OPTIONALES ACCESORIES ▼



WRIST REMOTE CONTROL
Operate by one person
AC3303604

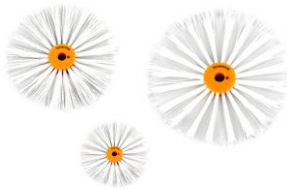


BRUSH CENTERING DEVICE.
For ducts from 500 mm |
19.7 inch to 1000 mm |
39.3 inch. AC3303130



VISIOPRO. Visualization system, camera harness,
camera and carrying case.
SV3331031

CONSUMABLES ▼



PACK 5 MIXED BRUSHES. Steel +
nylon. For carbonized grease.
Ø200 | 300 | 400 | 500 | 600 mm
Ø7.8 | 11.8 | 15.7 | 19.7 | 23.6 inch
CP1302828



PACK 4 BRUSHES EXTREME.
Brushes for extreme cleaning.
Includes case.
Ø300 | 400 | 500 | 600 mm
Ø11.8 | 15.7 | 19.7 | 23.6 inch
Cp2300515

PACK 5 BRUSHES PBT. Indicated for
fatty residue of medium-high
hardness. High abrasion power.
Ø200 | 300 | 400 | 500 | 600 mm
Ø7.8 | 11.8 | 15.7 | 19.7 | 23.6 inch
CP1203030 -

PACK 5 NYLON BRUSHES
Indicated for the removal of
medium-hard grease.
Ø300 | 400 | 600 | 700 | 800 mm
Ø11.8 | 15.7 | 23.6 | 27.5 | 31.5 inch
CP1101520 -



COMEGRAS
Ultraconcentrated
degreaser.
10 kg | 22 lb Jerrycan. PQ8100122

TECHNICAL FEATURES **multipro**

Motor supply [Maximum power]	Compressed air 300 l/min 8 bar 10,6 cfm – 8 bar
Rotation speed when empty	500 r.p.m.
Maximum torque	11,6 Nm 102,7 ibf-in
Noise level	< 70 dB
Direction of rotation	Right Left
Control system	Electropneumatic
Control panel	HMI screen
Hose length	30 m 98,43 ft
Structure material	Stainless steel
Dimensions [L x H x W]	1162 x 1244 x 430 mm 46 x 49 x 17 inch
Weight	73 kg 161 lb

forte

Exhaust duct cleaning system

Pneumatic rotary brush unit, for the cleaning of kitchen exhaust ducts and industrial facilities up to 1000 mm | 39.3 inch of diameter.

- Powerful pneumatic motor [11.6 Nm max. torque] necessary for to remove all types of grease and dirt.
- 30 meters | 98.4 inch of semi-rigid hose that allows to work vertically [up and down], horizontally, and to make 90° bends.
- 100% stainless steel motor for greater durability and maintenance free.

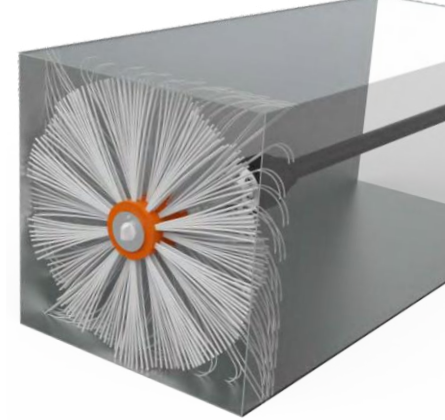
PNEUMATIC

For ducts up to

1000 mm | 39.3 inch

Rotary shaft length

30 m | 98.4 inch



Brushes

Different materials and sizes for all types of ductwork. **DUO Square system** for effective cleaning in **square ducts**.

Carrying handle

Easy handling for transportation.

Shaft guard

Facilitates its take-up and protects it when you are on the move.

Dual direction of rotation

Left | Right





WRIST REMOTE CONTROL

Optional accessory that allows the equipment to be controlled by a single operator.

COMEGRAS
ultra concentrated
degreaser.

IFOAM generates
the active foam.

AIR COMPRESSOR AR20
[Not included]

OPTIONAL ACCESSORIES

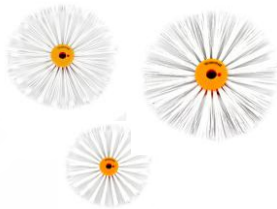


BRUSH CENTERING DEVICE.
For ducts from 500 mm |
19.7 inch to 1000 mm | 39.3 inch
AC3303130



**ANTI-BREAKAGE
PROTECTOR** for the shaft
and hose.
COD. AC3303112

CONSUMABLES



PACK 5 MIXED BRUSHES. Steel +
nylon. For carbonized grease.
Ø200 | 300 | 400 | 500 | 600 mm
Ø7.8 | 11.8 | 15.7 | 19.7 | 23.6 inch
CP1302828

PACK 5 BRUSHES PBT. Indicated
for fatty residue of medium-high
hardness. High abrasion power.
Ø200 | 300 | 400 | 500 | 600 mm
Ø7.8 | 11.8 | 15.7 | 19.7 | 23.6 inch
CP1203030

PACK 5 NYLON BRUSHES
Indicated for the removal of
medium-hard grease.
Ø300 | 400 | 600 | 700 | 800 mm
Ø11.8 | 15.7 | 23.6 | 27.5 | 31.5 inch
Cp1101520



PACK 4 BRUSHES EXTREME.
Brushes for extreme
cleaning. Includes case.
Ø300 | 400 | 500 | 600 mm
Ø11.8 | 15.7 | 19.7 | 23.6 inch
COD. CP2300515 -



COMEGRAS
Ultraconcentrated
degreaser.
10 kg | 22 lb Jerrycan.
PQ8100122 -



The centering device fixes the brush in the **center**
of the duct.

TECHNICAL FEATURES

Motor supply [Maximum power]	Compressed air 300 l/min 8 bar 10,6 cfm – 8 bar
Rotation speed when empty	500 r.p.m.
Par máxima potencia	6,5 nm 57,5 lbf.in
Maximum torque	11,6 nm 102,7 ibf-in
Noise level	< 70 dB
Direction of rotation	Right Left
Control system	Pneumatic
Hose length	30 meters 98.43 ft
Structure material	Stainless steel and HDPE
Dimensions	1025 x 1162 x 430 mm 40.3 x 45.7 x 17 inches
Weight	67 kg 147.7 lb



Electric exhaust duct cleaning equipment

It performs the cleaning of the grease accumulated in exhaust ducts. It sprays active foam and brushes the duct. After a few minutes you can rinse for a perfect finish.

- It incorporates the **Proaxis system**, which minimizes shaft breakage during cleaning.
- **Connected to the ifoam range of equipment**, it allows you to inject the active foam which adheres to the entire surface of the duct.
- The **remote control** allows the equipment to be used by a single operator.

HMI screen

Control the equipment from the touch screen.

Connection for ifoam

ELECTRIC

For ducts up to

600 mm

Hose lenght

15 m

Brushes

With different materials and sizes to adapt to any duct. Also double row brushes for effective cleaning in **square ducts**.





INCLUDED ACCESORIES



FLEXIBLE ROTARY SHAFT
+ LIQUID INJECTION.
Ø 12 mm and length 15 m

COD. AC3101212



WRIST REMOTE
CONTROL

COD. AC3303605



CENTERING DEVICE
Recomended to clean ducts
from 400 to 600 mm

COD. AC3101500

CONSUMABLES



PACK x5 SQUARE DUCTS

For square ducts
Measurements:
Ø250, 300, 350, 400 & 500 mm.

COD. CP 2300511



COMEGRAS

Ultraconcentrated
degreaser.
10 kg | 22 lb Jerrycan

COD. PQ8100122

PACK x5 PBT

Grease grade 2 (medium soiling).
Measurements:
Ø200, 300, 400, 500 & 600 mm.

COD. CP1203030

PACK x5 MIXED: STEEL
+ NYLON. Grease grade 3
(High soiling).

Ø200, 300, 400, 500 y 600 mm

COD. CP1302828

OPTIONAL ACCESORIES

FEATURES



Power supply	220 V - 50 Hz 110 V - 60 Hz
Engine power	370 W máxima
Engine rotation speed	0 - 3000 r.p.m.
Engine operating speed	0 - 500 r.p.m.
Noise level	Less than 70 dB
Direction of rotation	Right / Left
Control system	Electric
Control panel	HMI screen
Structural material	Stainless steel and HDPE
Dimensions (H x W x D)	962 x 365,5 x 992 mm 38 x 14,39 x 39 inches
Weight	60 kg 132 lb
Hose length:	15 m // 49 ft

ibrush

Compact extraction duct cleaning system

Maximum portability

This is a electric equipment, so it doesn't need an air compressor, which facilitates its use in places with poor accessibility.

No more shaft breakage

Incorporates **Proaxis** technology that prevents shaft breakage during use.

Versatility

In addition to kitchen extraction ducts, IBRUSH allows the cleaning of pipes, air ducts and industrial extraction systems up to 400 mm in diameter.

Hood cleaning

The IBRUSH + IFOAM set of equipment allows you to clean the whole extraction system (ducts, plenum and hood).



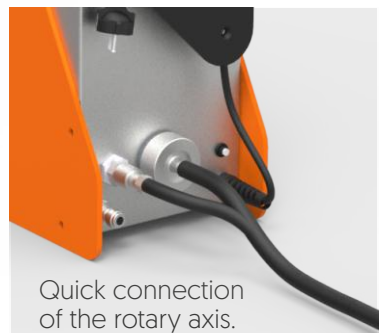
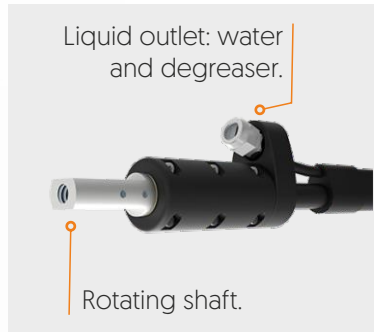
ELECTRIC SYSTEM

For ducts up to

400 mm | **3.9** inch

Rotary shaft length

7,5 m | **295** inch





IBRUSH + IFOAM

IBRUSH requires connection with IFOAM, equipment to generate the active foam, which adheres to the wall of the ducts

IFOAM generates the active foam.

COMEGRAS
Ultraconcentrated degreaser.

INCLUDED ACCESORIES



FLEXIBLE ROTARY SHAFT.
7,5 m | 24,6 ft.

COD. AC3303608



WRIST REMOTE CONTROL

COD. AC3303605



ROTATING SHAFT TRANSPORT BAG.

COD. AC3101210

CONSUMABLES



PACK 4 NYLON BRUSHES
Indicated for the removal of medium-hard grease.
Ø200 | 300 | 350 | 400 mm
COD. CP2400512

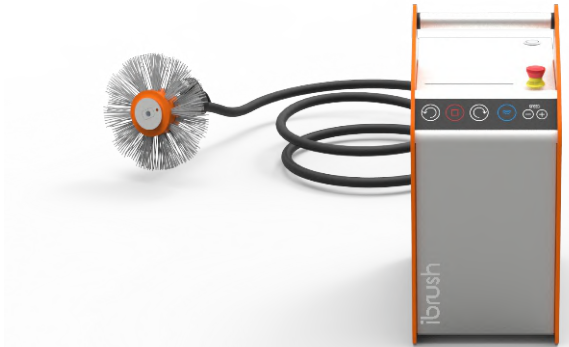
PACK 4 PBT BRUSHES.
For fatty residue of medium-high hardness. High abrasion power.
Ø200 | 300 | 350 | 400 mm
COD. CP2400513

PACK 4 MIXED BRUSHES.
Steel + nylon. For carbonized grease. Ø200 | 300 | 350 | 400 mm
COD. CP2400511

PACK 4 SQUARE DUCT BRUSHES. Ø200 | 300 | 350 | 400 mm
CP2500511






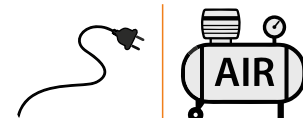

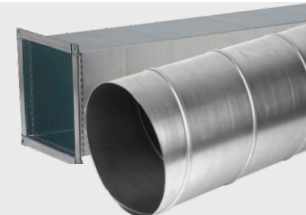






COMEGRAS
Ultraconcentrated degreaser.
10 kg | 22 lb Jerrycan
COD. PQ8100122 -



TECHNICAL FEATURES

Hydraulic power	Minimum pressure 2 bar - 29 psi
Maximum output pressure	6 bar 87 psi
Motor rotation speed	0 - 3000 r.p.m.
Rotation speed	0 - 500 rpm
Turning system	Right left
Control panel	Membrane keypad
Control system	Electric
Engine power	0,37 kW 0,5 HP
Sound level	Less than 70 dB
Shaft length	7,5 meter 24.6 ft
Structure material	Stainless steel and HDPE
Dimensions [L x H x W]	436 x 457 x 217 mm 17 x 18 x 8.5 inch
Weight	14,5 kg 32 lb

<div></div> <div>COMPARATIVE Rotary Brush Systems</div>		<div></div> <div>HOSE SEMI-RIGID - FLEXIBLE</div> <div>Allows foaming, & brush rotation.</div>	<div></div> <div>REMOTO CONTROL</div> <div>Allows a single operator to control the equipment.</div>	<div></div> <div>VIDEO INSPECTION</div> <div>Built-in video video inspection system. Inspect & record in real time in HD.</div>	<div></div> <div>CENTERING DEVICE</div> <div>Fix the brush in the center of the of the duct for more efficient cleaning</div>	<div></div> <div>ELECTRIC OR PNEUMATIC</div> <div>The pneumatic system requires an air compressor for its operation</div>	<div></div> <div>BRUSHES</div> <div>System that allows effective brushing in the corner for square ducts.</div>	<div></div> <div>DUCT SHAPES</div> <div>Square Circular</div>
<div></div> <div>multipro</div>	30 meters SEMIRIGID	OPTIONAL	OPTIONAL	OPTIONAL	PNEUMATIC	OPTIONAL	Ø100 to 1000 mm	
<div></div> <div>forte</div>	30 meters SEMIRIGID	✗	✗	OPTIONAL	PNEUMATIC	OPTIONAL	Ø100 to 1000 mm	
<div></div> <div>eon</div>	15 meters FLEXIBLE	✓	✗	OPTIONAL	ELECTRIC	OPTIONAL	Ø100 to 600 mm	
<div></div> <div>ibrush</div>	7,5 meters FLEXIBLE	✓	✗	✗	ELECTRIC	OPTIONAL	Ø100 to 400 mm	

02

THE POWER OF ACTIVE FOAM

Chemical action is a fundamental ingredient in the elimination of grease and dirt from any type of surface. The active foam effect enables adherence on vertical surfaces, increasing the contact time with the grease.

The iFoam equipment generates the active foam and high performance rinsing to terminate the chemical action in the process of cleaning exhaust systems

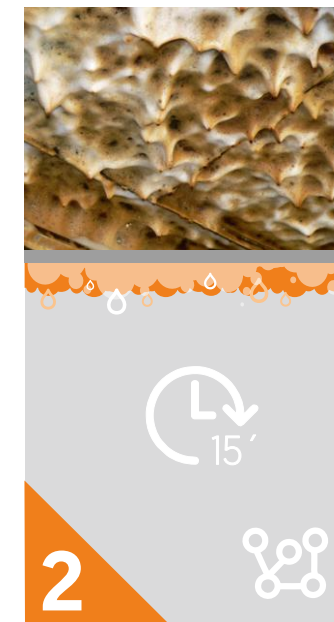


THE FOAM ACTIVE PROCEDURE



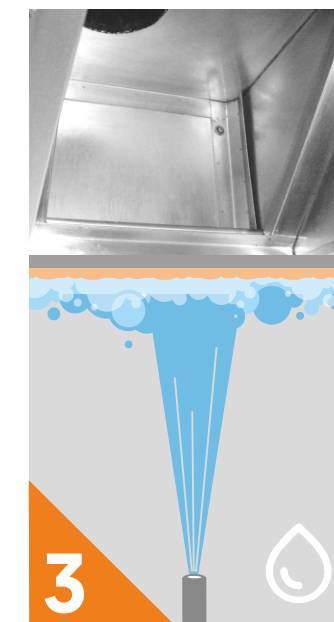
FOAM INJECTION

The ifoam system sprays active foam into the greasy surfaces, achieving adherence even on vertical surfaces, for the chemical product to remain in permanent contact with the grease



MOLECULAR DISSOLVE

This is the active part of the chemical solution. The effect is to dissolve the grease molecules [the dense foam dilutes and draws off the grease]. The whole process takes just 15 minutes and can be observed by seeing how the white foam is stained orange by the grease.



RINSING WITH WATER

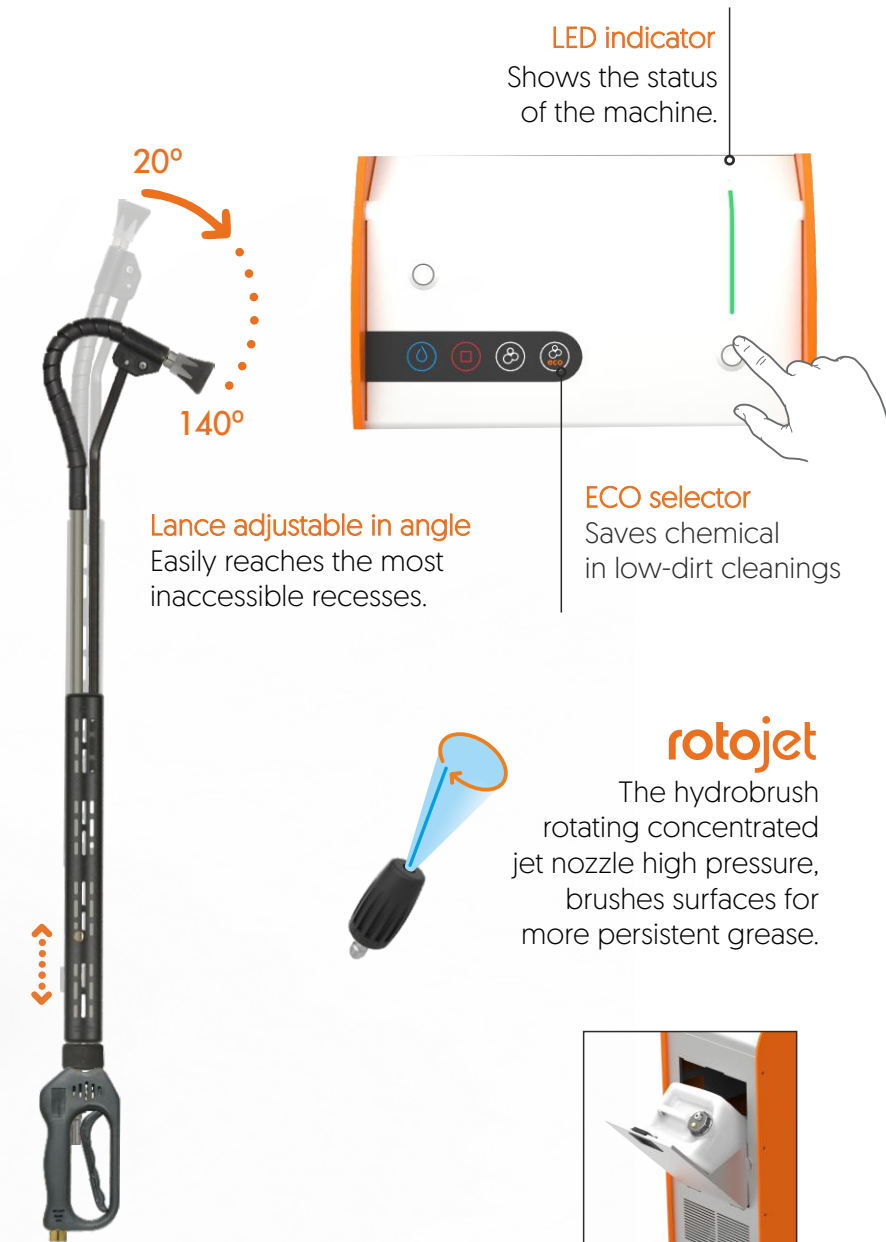
Once the active foam effect has finished we only have to rinse with the injection of water at high pressure, a process that will remove all of the mixture of foam with the dissolved grease. The result is surfaces that are perfectly clean and free of grease.

ifoam PRO

Active foam Intelligent generator

iFoam Pro provides everything you need to clean hoods, plenums, and exhaust system motors in a single unit.

- **Multijet system.** It automatically regulates all the parameters of the degreasing foam generation, guaranteeing perfect adherence of the chemical to any surface for effectively dissolving grease.
- Rinsing and foaming at **high pressure** [150 bar].
- Power and speed for **cleaning large surfaces**.



LED indicator
Shows the status of the machine.

20°
140°

Lance adjustable in angle
Easily reaches the most inaccessible recesses.

ECO selector
Saves chemical in low-dirt cleanings



rotojet
The hydrobrush rotating concentrated jet nozzle high pressure, brushes surfaces for more persistent grease.



Removable front panel for Chemical
Carafe system that guarantees a comfortable and safe handling.



THE EQUIPMENT INCLUDES ▼



ADJUSTABLE LANCE.
Foam injection and
high pressure rinsing

COD. AC3303340 -



10 METER HOSE
High pressure
liquid connection

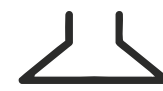
AC3303220 -



**ROTATING NOZZLE
ROTOJET.** High
pressure rinsing

COD. AC3303310 -

APPLICATIONS ▼



Hood



Extractor fan

OPTIONAL ACCESORIES ▼



**HOSE REEL FOR
MAINS WATER.** 10 m

COD. HE7300200 -



**UNIVERSAL TAP
ADAPTER.**

COD. AC6200003 -



**TAP CONNECTION FOR
THREADED SOCKETS.**

COD. AC6200005 -

CONSUMABLES ▼



COMEGRAS

Ultra-concentrated
degreaser.

Jerrycan 10 kg COD. PQ8100122

TECHNICAL FEATURES

Electric power supply	220 V 50Hz	110 V 60 Hz
Power consumption	10,7 A	21,4 A
Power	2350 W	1500 W
Hydraulic supply	Min. pressure .1 bar 14,5 psi - 60°C 140 F	
Hose length	10 m 33 ft	
High pressure pump	150 bar 2175 psi	103 bar 1500 psi
Low pressure pump	8 bar 116 psi	
Noise level	< 70 dB	
Control panel	Membrane keyboard	
Structure material	Stainless steel & HDPE	
Dimensions [L x W x H]	570 x 430 x 1040 mm 22.5 x 17 x 41 inch	
Unloaded weight	55 kg 121 lb	

ifoam COMPACT

Portable active foam generator

For cleaning hoods, extractors and greasy surfaces.

Perfect for the most inaccessible places, such as rooftops.



APPLICATIONS ▼



Hood



Extractor fan

THE EQUIPMENT INCLUDES ▼



Low pressure foam injection and rinsing lance 60 cm

COD. AC3303301 -



LIQUID HOSE
8 m lenght

COD. AC3303221 -

OPTIONAL ACCESORIES ▼



ADJUSTABLE LANCE.
Foam and rinse lance.
90 cm

COD. AC3303341 -



AUXILIARY LIQUID TANK.
30 liters

COD. AC3303206 -



HOSE REEL FOR MAINS WATER.
10 meters

COD. HE7300200 -

CONSUMABLES ▼



COMEGRAS
Ultraconcentrated degreaser
Jerrycan 10 kg COD. PQ8100122



TECHNICAL FEATURES

Electric power supply	220 V - 50Hz 110 V - 50/60 Hz
Max power	325 W
Max. output pressure	5,5 bar 80 psi
Control	Three-position switch
Connections	Quick connectors
Structure material	Stainless steel & HDPE plastic
Dimensions [L x W x H]	456 x 522 x 216 mm 18 x 20,6 x 8,5 inch
Unloaded weight	17 kg 37,48 lb

HP15

High-pressure water cleaner

Professional high-pressure equipment, small on the outside and big on the inside, it has a triplex pump with a stainless steel piston and a ceramic coating, allowing it to work continuously. With its 160 bar pressure, it is able to remove the most persistent grease from any surface of industrial kitchen hoods and extractor fans. Great portability. Its small size allows it to be carried in one hand, or it can be mounted on a trolley for convenience.



ADJUSTABLE
PRESSURE



TOTAL STOP
SYSTEM



MAINS WATER
CONNECTION

APPLICATIONS ▼



Hood



Extractor fan

Pump supplied
triple-cylinder in
stainless steel with
cladding ceramic



Easy to transport
with one hand,
the team separates
of the car to get to
the most remote places.

STANDARD EQUIPMENT ▼



TROLLEY



HOSE 8m



PISTOL GRIP +
LANCE

OPTIONAL ACCESSORIES ▼



ADJUSTABLE LANCE
to an angle of 20° to 140°

COD. AC3303340 -



ROTARY PRESSURE
CLEANING NOZZLE
360° of high pressure
COD. AC3303310 -



WATER HOSE
15 m extension

COD. HE7300200 -

TECHNICAL SPECIFICATIONS

Power supply	220 / 240 - 50 Hz 120V - 60Hz
Working pressure	150 bar
Max output pressure	160 bar
Caudal	8,5 l/min
Power cable length	5 meters
High pressure hose	Steel reinforcement
Piston head material	Ceramic
Cylinder material	Brass
Dimensions [L x H x W]	460 x 280 x 260 mm 18 x 11 x 10,2 inches
Weight	24 kg 53 lb



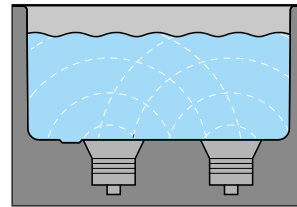
HIGH-PRESSURE WATER CLEANER

03

ULTRASOUND CLEANING

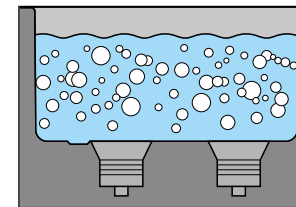
Ultrasounds are waves transmitted at frequencies which in general are beyond the range detected by human ears, and in some applications [sonic system] can be used to clean materials and pieces. It works like this:

1



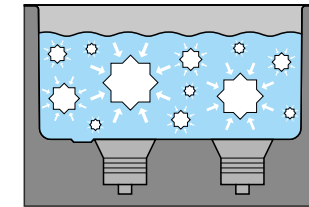
As the sound waves emitted by the transducers spread out in the solution with water and the chemical product in the tank, they produce alternating high and low pressure in the solution.

2



Millions of microscopic bubbles are formed and expand in the low-pressure stage. This process is known as CAVITATION, which means “formation of cavities”.

3



The bubbles collapse and implode in the high-pressure stage, releasing enormous amounts of energy. These implosions act like a small army of tiny cleaning brushes. They work in all directions, attacking all the surfaces and invading all the hollows and apertures.



filnet B100

ultrasonic

Portable ultrasonic cleaning equipment

Do you want to stand out when cleaning filters? Do you need to clean in minimum time? Only with FILNET Ultrasonic will you achieve effective cleaning in only a few minutes. Do you want to complement your kitchen extractor system cleaning business by offering a single service? FILNET Ultrasonic offers you the latest technology for cleaning kitchen filters and equipment in minimum time.

✓ Capacity for 4 kitchen filters simultaneously



APPLICATIONS ▼



Filters



Grids

SPEED. In a matter of seconds the dirt is removed without the need for any kind of manual finishing, we achieve cleaning and disinfection in a single operation.

EFFECTIVENESS. The action of ultrasound penetrates all the cavities, providing extreme cleanliness.

SAVINGS. The amount of water and product is reduced cleaning. The water is reused for successive washings.

ECOLOGICAL. The cleaning liquid is composed of water and a small proportion of a specific detergent.

CONSUMABLES ▼



SONICLEAN

Detergent for cleaning metal parts.
Jerrycan 10 liters.

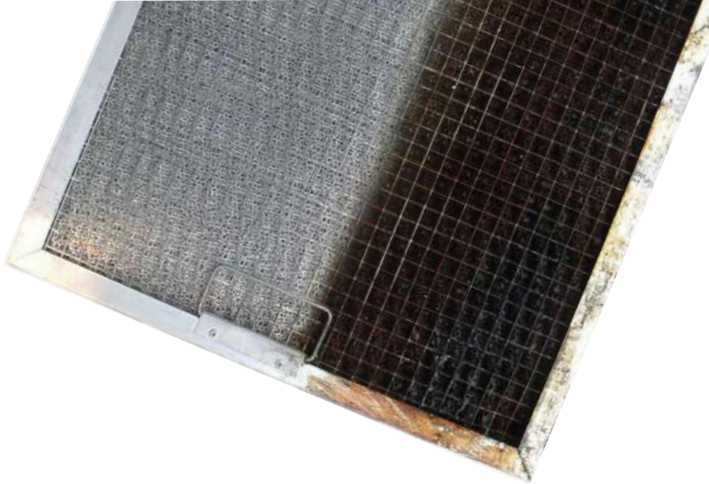
COD. Pq8100501



SONIPOWER

Cleaning power enhancer to be added to the detergent.
Jerrycan 10 liters.

COD. Pq8200200



TECHNICAL FEATURES

Power supply	220 V 50-60Hz	110 V 60 Hz
Ultrasonic power	1200 W	900 W
Heating power	2000 W	1000 W
Number of transducers	28 kHz	
Ultrasonic frequency	24 units	
External dimensions	800 x 530 x 1060 mm 31,5 x 20,8 x 41,7 inch	
Interior dimensions	530 x 290 x 550 mm 20,8 x 11,4 x 21,6 inch	
Interior volume	85 liters	
Weight	87 kg 192 lb	

filnet B300

ultrasonic

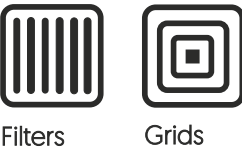
Portable ultrasonic cleaning equipment

Do you want to stand out when cleaning filters? Do you need to clean in minimum time? Only with FILNET Ultrasonic will you achieve effective cleaning in only a few minutes. Do you want to complement your kitchen extractor system cleaning business by offering a single service? FILNET Ultrasonic offers you the latest technology for cleaning kitchen filters and equipment in minimum time.

✓ Capacity for 11 kitchen filters simultaneously



APPLICATIONS ▼



SPEED. In a matter of seconds the dirt is removed without the need for any kind of manual finishing, we achieve cleaning and disinfection in a single operation.

EFFECTIVENESS. The action of ultrasound penetrates all the cavities, providing extreme cleanliness.

SAVINGS. The amount of water and product is reduced cleaning. The water is reused for successive washings.

ECOLOGICAL. The cleaning liquid is composed of water and a small proportion of a specific detergent.

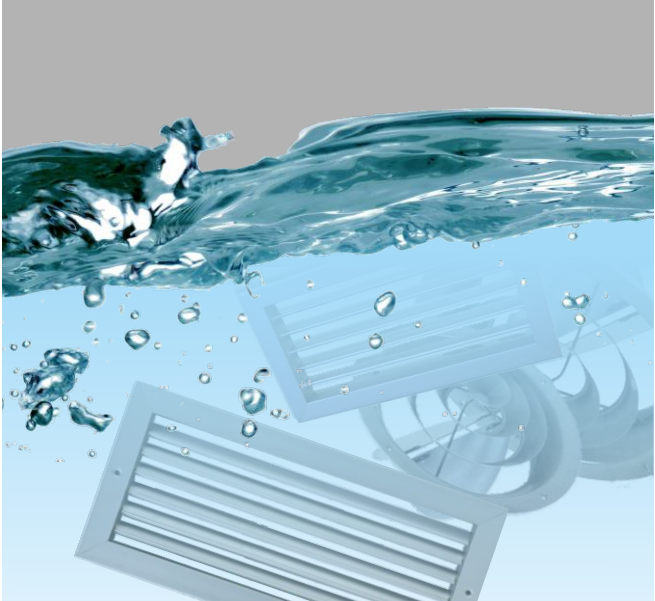
CONSUMABLES ▼



SONICLEAN
Detergent for cleaning metal parts.
Jerrycan 10 liters.
COD. Pq8100501



SONIPOWER
Cleaning power enhancer to be added to the detergent.
Jerrycan 10 liters.
COD. Pq8200200



TECHNICAL FEATURES

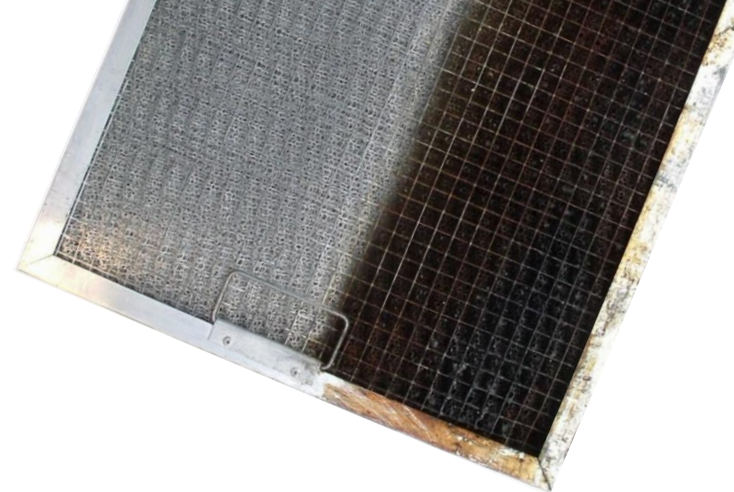
Power supply	3 phases 380V 50/60Hz	3 phases 240V 60Hz
Ultrasonic power	3000 W	
Heating power	6000 W	
Ultrasound frequency	28 kHz	
Number of transducers	60 units	
Interior volume	300 liters	
External dimensions	1050 x 825 x 1090 mm 41 x 32 x 43 inch	
Interior dimensions	850 x 565 x 620 mm 33.5 x 22.2 x 24.4 inch	
Weight	186 kg 410 lb	



ULTRASONIC CLEANING SYSTEM FOR GRIDS AND DIFFUSERS



COMPARATIVE ULTRASONIC CLEANING EQUIPMENT



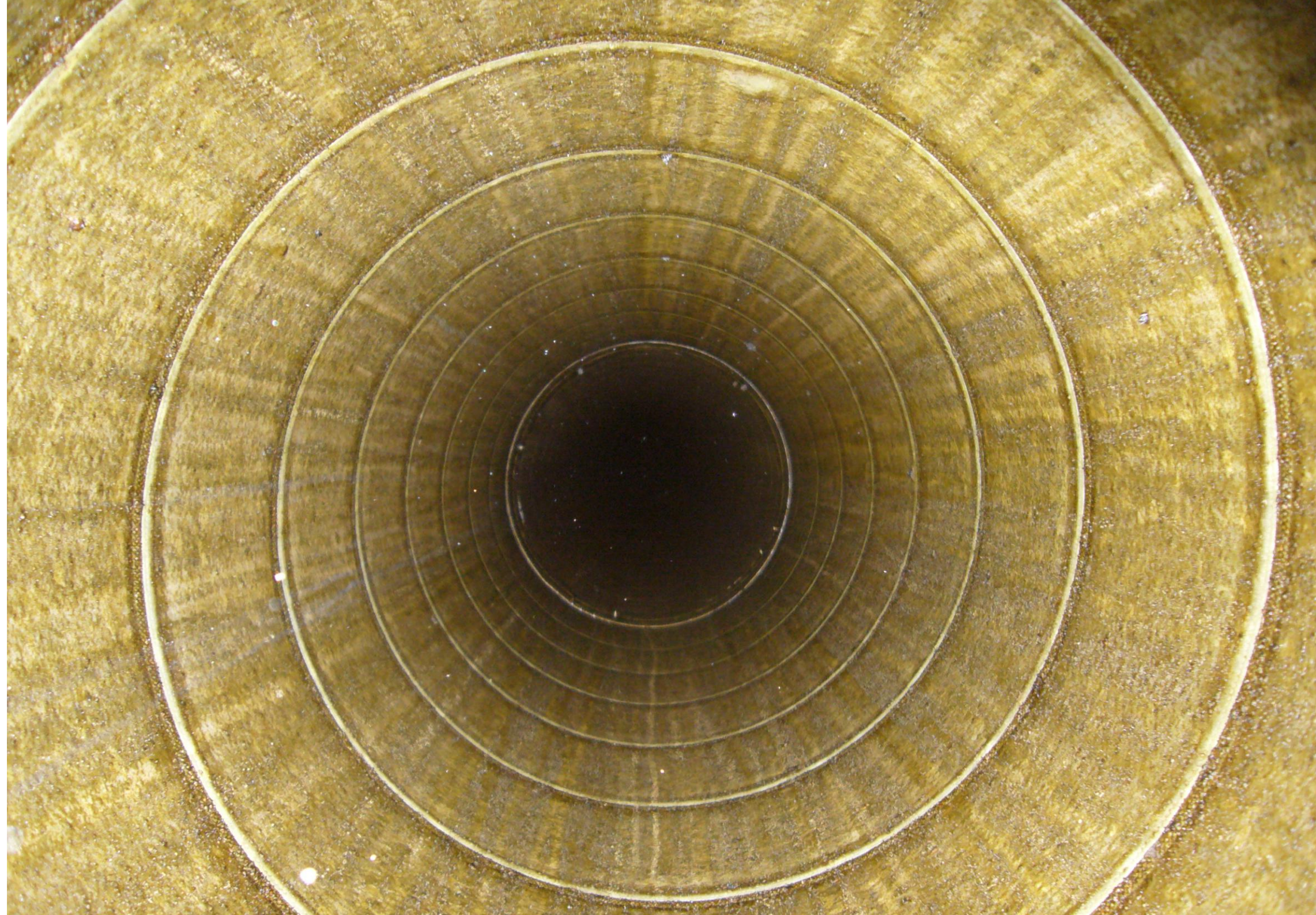
COMPARATIVE TECHNICAL CHARACTERISTICS

filnet ultrasonic	B300	B100	
Power supply	3 phases 380 V/56-60Hz 3 phases 240V /60Hz	220 V 50-60 Hz	110 V 60 Hz
Ultrasound power	3000 W	1200 W	900 W
Power generator	SWEEP SYSTEM regulable	SWEEP SYSTEM regulable	
Adjustable control panel	Power	Power	
Heating power	6000 W	2000 W	1000 W
Structure material	Stainless steel Thermal insulation	Stainless steel Thermal insulation	
Empty weight	186 kg 410 lb	87 kg 192 lb	
External dimensions	1050 x 825 x 1090 mm 41 x 32x 43 inch	800 x 530 x 1060 mm 31,5 x 20,8 x 41,7 inch	
Interior dimensions	850 x 565 x 620 mm 33.5 x 22.2x 24.4 inch	530 x 290 x 550 mm 20,8 x 11,4 x 21,6 inch	
Volume / Tank capacity	300 liters / 11 filters	85 literes / 4 filters	

04

SEEING IS BELIEVING

The inside of kitchen exhaust systems are “out of sight”. So there is a need for a visual inspection system to assess and record conditions before and after cleaning, and thereby demonstrate to the client the excellent results of the work carried out.



visionmax

Portable video inspection system for extraction ducts

It is the video inspection tool prior to any cleaning intervention of fume extraction ducts, to convince your customers of the need to clean their ducts. It is a compact and portable system.



APPLICATIONS



Scratch-resistant, waterproof, sapphire crystal LCD camera



TECHNICAL CHARACTERISTICS

Power supply	Rechargeable LI-ION type 9-12 V
Camera features	1/3" Sony CCD Ø22mm with sapphire crystal lens
Viewing range	1000 mm
Camera angle of vision	140 °
Image resolution	800 x 480 RGB
Monitor	7" TFT-LCD Color
Sealing [Camera]	Submersible to 20 m in water
Illumination	12 white LEDs of adjustable brightness
Charging time	8 hours
Battery duration	7 - 9 hours
Camera cable length	30 meters
Dimensions [L x W x H]	517 x 434 x 200 mm 20.3 x 17 x 7.9 inch
Weight	14 kg 31 lb

STANDARD EQUIPMENT



ELECTRIC CHARGERS



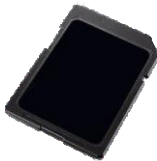
RECHARGEABLE LI-ION BATTERY



CENTRATOR



WIRELESS REMOTE CONTROL



SD CARD

visionano

Ultra-portable video inspection system

VISIONANO is an ultra portable and ultra light system. It weighs only 530 g!, to be used as a commercial tool, for carrying out punctual, short-range inspections of ventilation system ducts. Often what is not seen or can not be demonstrated, is the barrier that postpones a work always necessary, when we talk about cleaning ducts in air conditioning systems. It has a maximum range of 4 meters.



Camera resolution
704 x 576 (PAL)



Includes case for transportation



OPTIONAL ACCESSORIES



EXTENSION FOR
CAMARA OF 1m

COD. AC3303404 -



640 x 480 px LCD display

TERCHNICAL FEATURES

Camera resolution	704 x 576 (PAL)
Screen resolution	640 x 480
Powered	4 batteries AA
Sealing (camera only)	IP-67
LCD screen	3,5" TFT-LCD
External power supply	5 V
Charging time	3 hours
Battery life	2 hours
Length of flexible shaft	1 m [extendable up to 4 m]
Dimensions [L x W x H]	256 x 95 x 153 mm [without flexible shaft]
Weight	530 g

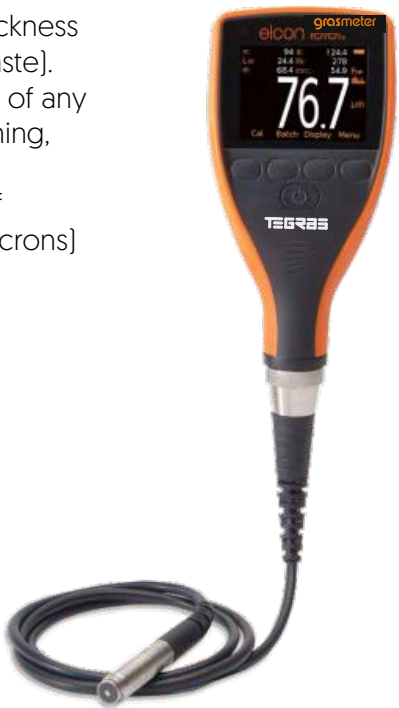
grasmeter

Digital device for reading the thickness of grease deposits.

The GREASEMETER is a device for measuring the thickness of a deposit on a surface [grease, dust, industrial waste]. The meter should form part of the basic equipment of any technician, in order to determine the need for cleaning, or to check the result of an intervention. There are regulations that set an acceptable level of grease [<50 microns] and a threshold level [>200 microns] at which the entire system has to be cleaned.

Advantages of the system

- Ergonomic design.
- External probe for easy measurement.
- Instant readings in real time.
- Large measurement range
- Template for surfaces.
- Standard calibrations.
- Membrane keypad.
- Bluetooth data transfer.
- Data analysis software.



MEASURE,
TO KNOW HOW TO ACT



Includes case for transportation ▼



TECHNICAL FEATURES

Range of thickness readings	0 to 1.500 microns
Screen	2,4" TFT Colour
Power supply	2 AA type batteries
Data transfer	USB to PC outlet Bluetooth connection
Measurement probe for grease deposits	500 mm cable and 8 mm base
Waterproof rating	IP-68
Dimensions [L x W x H]	141 x 73 x 37 mm 5,5 x 2,9 x 1,4 inch
Weight	160 g 0,35 lb





PERSONAL PROTECTIVE EQUIPMENT

Disposable coveralls



Protective coverall for limited use [PE+PP] **impermeable to particles and splashes of limited intensity.**

Antistatic, water vapor permeable, resistant to tearing and abrasion, lint-free.

Protection against biological agents according to EN 14126:2003.

Size L - EP5600100
Size XL - EP5600101

Disposable mask

High filtration capacity Low inhalation and exhalation resistance. Soft hypoallergenic inner filter.



Ep5300100

PVC gloves.



Suitable for **industrial cleaning** and **chemical industry.** Ergonomic and flocked for **comfort.** Cotton flower for sweat absorption. Good Good grip in any situation. Exceptional comfort due to special PVC formulation.

The long glove with heat-sealed cuff **thermo-sealed cuff also protects you from splashes of liquids, from liquid splashes.**



Short - Ep5200100
Long - Ep5200200

Silicone mask with two filters.



Manufactured in silicone, which avoids allergy discomfort **comfortable fit and good resistance to aggressive environments.** Special system of valve and filter holder in one piece, which gives body and rigidity to the front part of the mask.

Mask + 2 filters EP5300200

Silicone mask filter.



Filter against particles, gases and vapors. Approved according to EN 14387:2004.

EP5300201 - 1 unit

Face shield + visor.



Face shield + polycarbonate acetate visor. Guarantees exclusive comfort thanks to its innovative indirect **ventilation that reduces CO₂ concentration.**

EP5100101

Replacement protective visor.



EP5100200

Rubber edge strip.
5 meters



To protect the contour of the open manhole open in the duct. Thanks to this protection, the hose of your duct cleaning system will not be damaged. 5 meters.

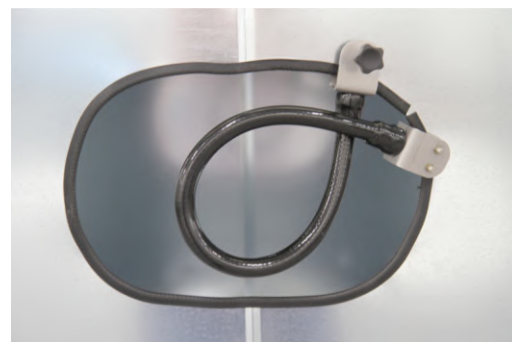


AC6134102

Anti-breakage protector.



Anti-breakage protector for the axis and hose of the brushing equipment.



AC3303112

Fastening clamp.



Fastening clamp to protective films for duct cleaning protection plastics in the cleaning of air-conditioning and extraction ducts.

3,5 cm | 1.38 in - HE7400200
5,5 cm | 1.97 in - HE7400300

Suction handle.



Handle for attaching the protective plastic protection plastics during the cleaning process.

He7400400

Quick seal.

Tape for sealing ducts.



Extraction duct sealing tape. Prevents leakage of grease, liquids and bad odors.

50 mm x 15 m | 1.96 x 590 in - AC5207450
75 mm x 15 m | 2.9 x 590 in - AC5207475

Plastic protector roll Galga 300.



Transparent polyethylene film reel 3 meters wide and 100 meters long. Thickness Galga 300.

3 m x 100 m | 118 x 3937 in - HE7400100

Waste container with wheels and lid.



Rectangular container for collecting and transporting cleaning waste.

Capacity: 120 liters.
Weight: 10.5 kg.
Material: polyethylene plastic.

750 x 400 x 710 mm - Ac3303207

Tegras toolbox.



Waterproof case to store accessories and tools for your Tegas machines

900 x 600 x 400 mm | 17.3 x 16.5 x 5.9 in
He0000001 -

Waterproof case.



Waterproof case to store accessories and tools of your Tegas machines. Its portability and the fact that it is watertight, will facilitate the cleaning of your extraction systems.

440 x 420 x 150 mm | 17.3 x 16.5 x 5.9 in
AC3303403

VISIOPRO

Real time visualization & record.



Self-leveling camera provides horizontal images at all times, even when the camera is tilted.

The package includes the harness, camera and carrying case.

Visualize and clean at the same time.

SV3331031

Related equipment

MULTIPRO pages 5-6



Pneumatic centering device for fume extraction ducts.



Accessory for centering the multipro and forte brush. It allows centering the brush in the duct and thus exerting equal pressure on the entire



diameter of the duct, avoiding lurches. The wheels allow a better sliding and facilitates the handling of the hose by the operator.

AC3303130

Related equipment

MULTIPRO pages 5-6

FORTE pages 7



Reversible pneumatic drill.



Reversible pneumatic drill for use in air conditioning ducts. The AR20 air generator has an additional output for tools additional output for tools such as a jigsaw or pneumatic saw or pneumatic drill.

HE7100100

Corona taladro



HE7100101 - Ø33 mm

Pneumatic jigsaw.



The ideal cutting tool for duct cleaning records. Precise cutting and no risk of sparks that could cause fires inside the duct. The AR20 air generator has an additional output for tools such as a jigsaw or pneumatic drill.

HE7100200

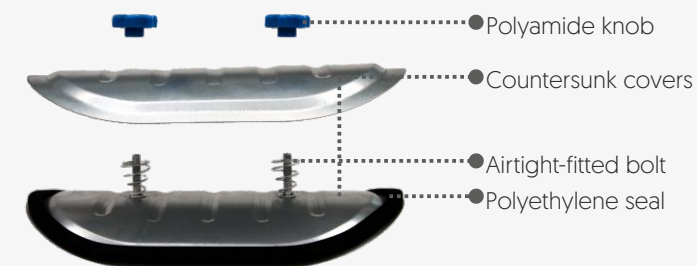
Pneumatic saw blades



Pack 10 units - HE7100201



Inspection and cleaning registers.



It achieves a perfect seal thanks to its double body and fire resistant ceramic fiber gasket, with the metal knobs are suitable for compliance with current regulations.

Doors for flat ducts



INDIVISIBLE PACK OF 5 UNITS

250 x 150 mm - AC6122515
300 x 200 mm - AC6123020
400 x 300 mm - AC6124030

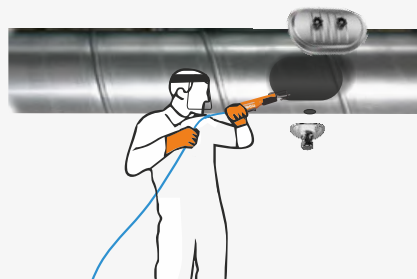
Doors for curved ducts



INDIVISIBLE PACK OF 5 UNITS

250 x 150 mm - Ø200 / Ø250 - AC6132525
300 x 200 mm - Ø300 / Ø350 - AC6133035
300 x 200 mm - Ø400 / Ø450 - AC6133045
300 x 200 mm - Ø500 / AC6133050
400 x 300 mm - Ø600 / AC6134060 -
400 x 300 mm - Ø700 / Ø900 - AC6134080 -

Drains universals for drivers plane and curved.



Drains made of stainless steel for the evacuation of chemical or other liquids during duct cleaning. Corrosion resistant and totally watertight material.



FLAT | CURVED

AC6203580 - Ø200-Ø1000 - 1"

Tube for duct drain



Tube that connects the drainage of the conduit with the container where the waste is collected.



AC6200002

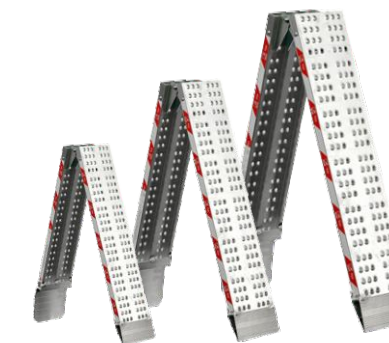
Pack of allen keys



Pack of allen keys required for TEGRAS equipment.

AC3303102

Folding aluminium ramp.



Ramp to facilitate access to ducts and other uses.

150 x 20 cm - AC660R015 - 1500 x 400 x 200 mm

220 x 20 cm - AC660R020 - 2000 x 400 x 200 mm

250 x 20 cm - AC660R025 - 2500 x 400 x 200 mm

Water hose extension.



Allows water to reach your equipment no matter how far away the intake is. [10 meters].

HE7300200

Auxiliary tank for iFoam Mini



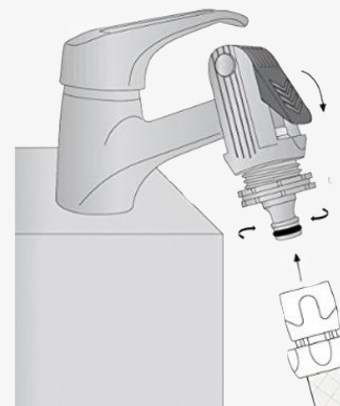
Very useful for transporting water in workplaces where we do not have access to a mains water supply.

AC3303206

Universal tap adapter.



Universal faucet adapter that allows the connection of your hose to **all types of non-threaded faucets**.



AC6200003

Tap connection for threaded sockets



Connect your liquid hose to a threaded faucet with this fitting.

AC6200005

SoniPower.

Booster for grilles and diffusers.



Booster for SoniClean detergent used in ultrasonic cleaning of filters and other kitchen utensils. Dilute in water at a temperature of 80° - 90° in a proportion of 1 to 5 % depending on the type of dirt to be cleaned. for SoniClean detergent used in ultrasonic cleaning of filters and other kitchen utensils. It generates a more powerful and effective cleaning.

Jerrycan 10 liters - Pq8200200

Related equipment

B100 ultrasonic page16 | B300 ultrasonic page 17



SoniClean.

Detergent for grilles and diffusers of air conditioning systems.



Specific detergent for cleaning with ultrasonic equipment on any type of metal part. It can also be used for filters and kitchen utensils. Dilute in water with a temperature between 50° - 80° in a proportion of 3 to 5 %. Use SoniPower to enhance the effect of the detergent in the most demanding cleanings.

Jerrycan 10 liters - Pq8100501

Related equipment

B100 ultrasonic page 16 | B300 ultrasonic page 17



Comegras.

Ultraconcentrated degreaser.



Effective ultra-concentrated degreaser for cleaning hoods, ducts and extractors with high or extreme degree of soiling.

Jerrycan 10 kg - Pq8100122
Bag in box 10 kg - Pq8100121

Related equipment

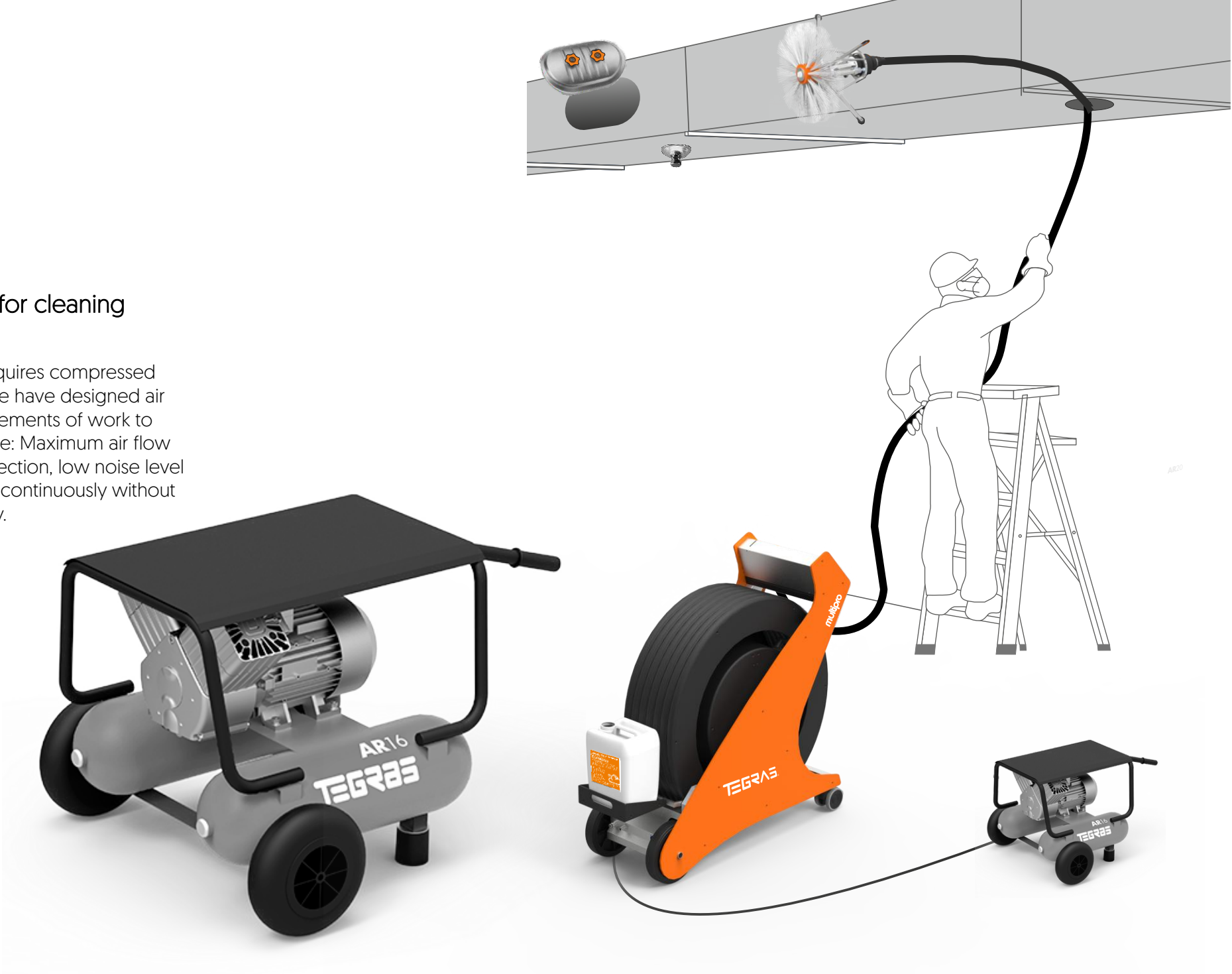
ifoam mini page 12 / ifoam pro page 10-11



AR16

Compressed air generator for cleaning fume extraction systems

Pneumatic brushing equipment requires compressed air for operation. For this reason, we have designed air generators that adapt to the requirements of work to be done with the best performance: Maximum air flow and pressure in single-phase connection, low noise level for night work, being able to work continuously without heating, and also a great portability.



COMPATIBLE EQUIPMENT ▼



MULTIPRO. Extraction duct cleaning equipment.



FORTE. Pneumatic duct cleaning brushing robot.

TECHNICAL FEATURES

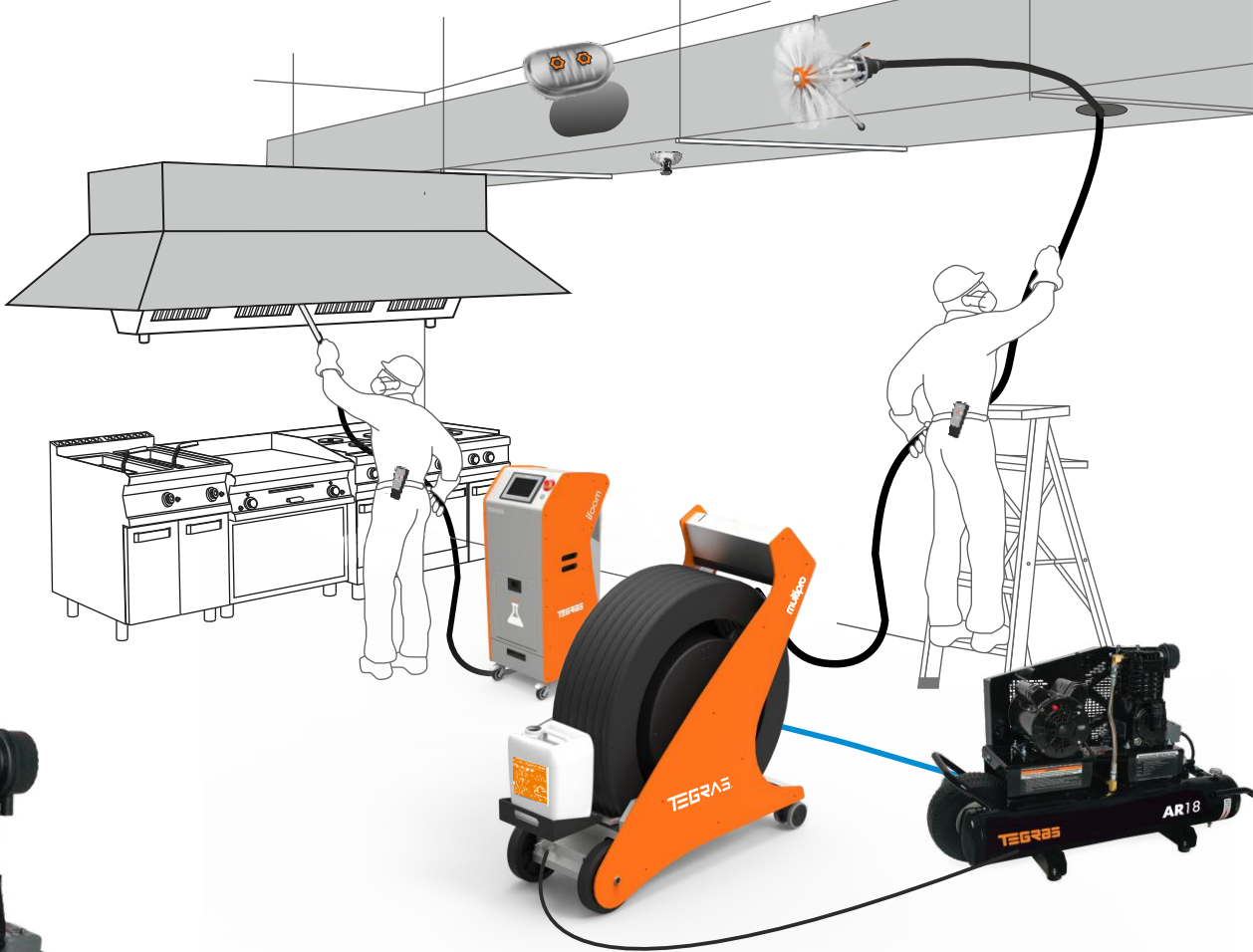
Power	2,2 kW
Intake	400 l/min
Output flow [5 bar]	280 l/min
Tank	18 litres
Pressure	10 bar
r.p.m.	2850 r/min
Noise level	82 dB
Number pistons	2
Voltage	230 V - 50 Hz
Phases	1
Weight	44 kg 97 lb
Dimensiones [L x W x H]	572 x 636 x 520 mm 22.5 x 25 x 20.4 inch



AR18

Compressed air generator for brushing robots

Pneumatic brushing equipment requires compressed air for operation. For this reason, we have designed air generators that adapt to the requirements of work to be done with the best performance: Maximum air flow and pressure in single-phase connection, low noise level for night work, being able to work continuously without heating, and also a great portability. This compressor is indicated for those places where a voltage of 110V - 60 Hz is used.



TECHNICAL FEATURES

Power supply	110V - 60Hz
Nominal pressure	9 bar 125 psi
Flow rate [6,27 bar]	9,2 cfm 260 l/min
Motor power	2.0 HP - 120V - 18.8A
Sound level	79 dB
Operating principle	Piston
Tank size	30 litres 8 gal
Plug type	NEMA 5-20P
Dimensions [L x W x H]	1135 x 470 x 635 mm 44,5 x 18,5 x 25 inch
Weight	84 kg 183 lb

COMPATIBLE EQUIPMENT



MULTIPRO. Extraction duct cleaning equipment.



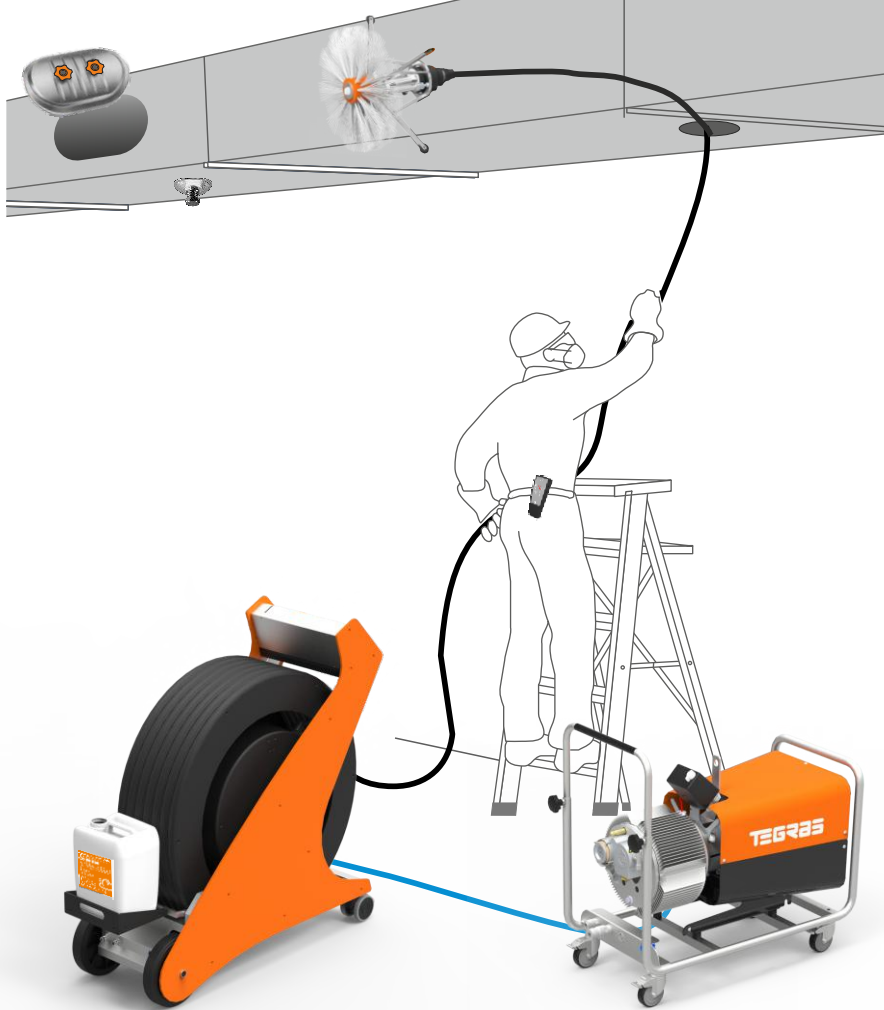
FORTE. Pneumatic duct cleaning brushing robot.



AR20

Compressed air generator for brushing robots

TECAL's pneumatic brushing robots require air compressed for its operation. Therefore, we have designed some air generators that adapt to the requirements of work to be carried out with the best performance as: Maximum air flow and pressure in single-phase connection, low noise level for work night, to be able to work continuously without heating and also, a great portability.



COMPATIBLE EQUIPMENT



MULTIPRO. Extraction duct cleaning equipment.



FORTE. Pneumatic duct cleaning brushing robot.

“Paddle” System

A patented system of sliding “paddles” which produce a large volume of air and high air pressure. Self-cooling, it can operate for 24 hours at a time.

TECHNICAL FEATURES

Power supply	400V 3 50Hz	220V 50Hz	110V 60Hz
Min. power cable section	2,5 mm ² 3,88 x 10 ⁻³ in ²		
Nominal pressure	10 bar 145,04 psi		
Air delivery [5 bar // 72,52 psi]	240 l/min // 8,48 cfm		
Reception capacity	360 l/min 12,71 cfm		
Power	2,2 kW		
Sound level	70 dB		
Service temperature limit	5 - 40°C 41 - 104°F		
Exit temperature	> 75°C > 167°F		
Residual oil in compressed air	< 3 ppm		
Hydraulic circuit capacity	1,5 l 0,4 gal		
External structure material	Stainless steel		
Weight	50 kg 110,23 lb		
Dimensions [L x W x H]	802 x 565 x 390 mm 31,5 x 22,3 x 15,35 inches		

