

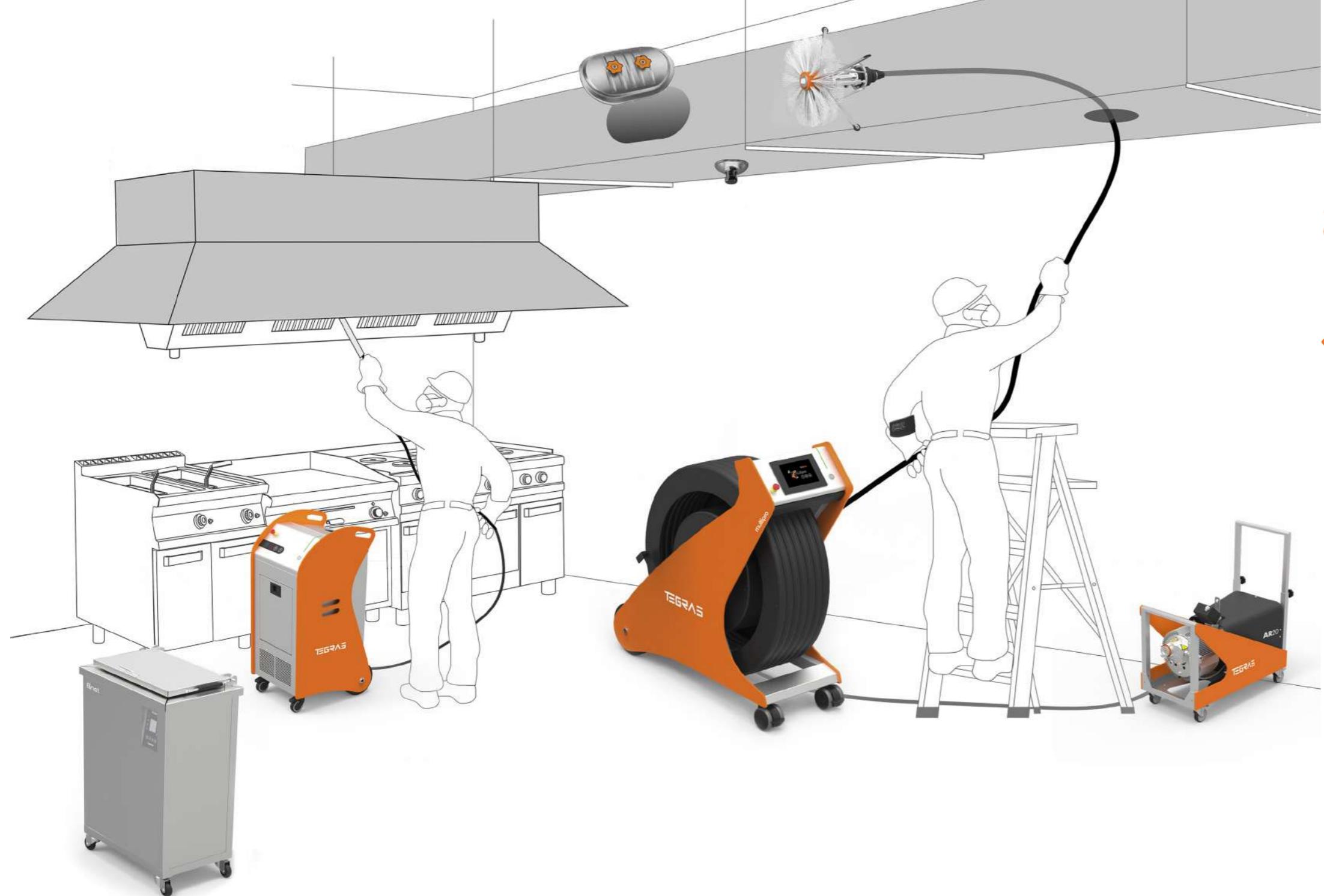


360°  
for your cleaning  
business in kitchen  
extraction  
systems

EN

PRICE LIST

TEGRAS®



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AND CLEANING SYSTEMS. Pages 14-19
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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 COULD HAVE PREVENTED THIS

Industrial kitchens rely on extraction systems to remove smoke and odors. However, the expelled fumes are rich in grease, which gradually accumulates in filters, hoods, ducts, and the extractor itself. This buildup is highly flammable and is one of the leading causes of fires in restaurants. In addition, dirty systems force the fan to work harder, wasting energy and creating unpleasant odors due to poor ventilation. Regular maintenance and cleaning of the system help eliminate these risks and ensure safe, efficient operation.

# 01

## DUCT BRUSHING ROBOTS

### MAXIMUM EFFICIENCY

The brushing robots have been designed to ensure fast and effective cleaning inside extraction ducts.

Thanks to the power of their robust motor and the injection of alkaline foam, any cleaning process becomes easy, even against the most stubborn grease.



# multipro

## Exhaust duct cleaning system

Advanced pneumatic rotary brush unit for the cleaning of kitchen exhaust ducts and industrial facilities.

### Brushes

Different materials and sizes for all types of ductwork.  
[DUO Square system](#) for effective cleaning in square ducts.



## PNEUMATIC

For ducts up to  
**1000 mm**

Hose length  
**30 m**

### Self-leveling camera

Provide upright images at all times even when the camera is tilted. You can visualize and clean at the same time. [Optional]





#### WRIST REMOTE CONTROL

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

#### OPTIONALES ACCESORIES ▼



**WRIST REMOTE CONTROL.**  
Operate by one person

AC3303616



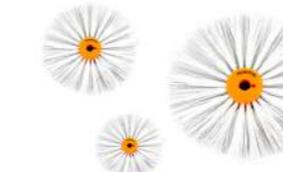
**BRUSH CENTRALISER.**  
For ducts from 500 mm | 19.7 inch to 1000 mm | 39.3 inch  
AC3303130



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

SV3331035 SV-MUL

#### CONSUMABLES ▼



**PACK 5 MIXED BRUSHES.**  
Steel +nylon. For carbonized grease. Ø200 | 300 | 400 | 500 | 600 /700 mm Ø11.8 | 15.7 | 19.7 | 23.6 | 27.5 inch  
CP1302828



**PACK 5 BRUSHES EXTREME.**  
Brushes for extreme cleaning. Ø300 | 400 | 500 | 600 mm Ø7.8 | 11.8 | 15.7 | 19.7 | 23.6 inch  
CP2300515

**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 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

#### TECHNICAL FEATURES

**multipro**

Motor supply (Maximum power)	Compressed air 300 l/min 6,3 bar   10,6 cfm – 6,3 bar
Rotation speed when empty	500 r.p.m.
Rotation speed at full power	236,7 r.p.m.
Torque at max output	6,5 Nm   57,5 lbf.in
Minimum starting torque	8 Nm   70,8 lbf.in
Stall torque	11,6 Nm   102,7 lbf.in
Noise level	< 70 dB
Direction of rotation	Right   Left
Control system	Electropneumatic
Control panel	HMI screen
Dimensions	1118 x 440 x 1172 mm 44 x 17,32 x 46,14 in
Weight	73 kg   161 lb
Hose length	30 m   98 ft
Structural material	Stainless steel and HDPE



# 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.

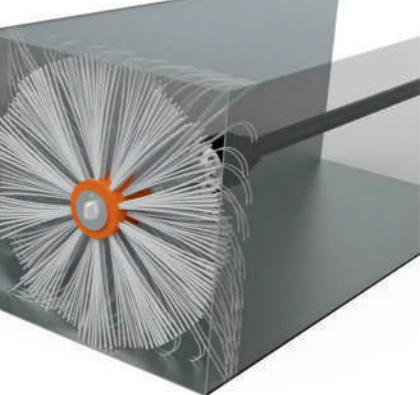
### PNEUMATIC

For ducts up to

**1000 mm**

Rotary shaft length

**30 m**



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.





## OPTIONAL ACCESSORIES ▼

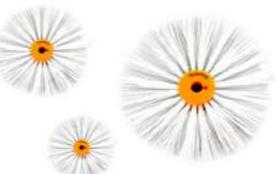


**BRUSH CENTRALISE.**  
For ducts from 19.7 inch to 39.3 inch  
AC3303130



**ANTI-BREAKAGE PROTECTOR** for the shaft and hose.  
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  
CPI302828



**PACK 5 BRUSHES EXTREME.**  
Brushes for extreme cleaning. Ø300 | 400 | 500 | 600 /700 mm Ø11.8 | 15.7 | 19.7 | 23.6 | 27.5 inch  
CP2300515

**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 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  
CPI203030

**COMEGRAS.**  
Ultraconcentrated degreaser.  
10 kg | 22 lb Container  
PQ8100122



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

## TECHNICAL FEATURES

**forte**

Motor supply (Maximum power)	Compressed air 300 l/min 6,3 bar   10,6 cfm – 6,3 bar
No-load rotational speed	500 r.p.m.
Rotation speed at full power	236,7 r.p.m.
Torque at max output	6,5 Nm   57,5 lbf.in
Minimum starting torque	8 Nm   70,8 lbf.in
Stall torque	11,6 Nm   102,7 ibf-in
Noise level	< 70 dB
Direction of rotation	Right   Left
Control system	Pneumatic
Control panel	Valves
Dimensions (L x W x H)	1025 x 1162 x 430 mm 40,35 x 48,98 x 16,93 in
Weight	67 kg   147,71 lb
Hose length	30 m   98 ft
Structure material	Stainless steel and HDPE



# eon

## 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.

**ELECTRIC**

For ducts up to

**600** mm

Hose length

**15** m





## INCLUDED ACCESORIES ▼



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

AC3101212



**WRIST REMOTE CONTROL**

AC3303605

## CONSUMABLES ▼



**PACK x5 SQUARE DUCTS**  
 For square ducts Measurements: Ø250, 300, 350, 400 & 500 mm.  
 CP2300511



**COMEGRAS.**  
 Ultraconcentrated degreaser.  
 10 kg | 22 lb Container  
 PQ8100122

**PACK x5 PBT**  
 Grease grade 2 [medium soiling]. Measurements:  
 Ø200, 300, 400, 500 & 600 mm.  
 CP1203030

**PACK x5 MIXED. STEEL + NYLON.** Grease grade 3 [High soiling].  
 Ø200, 300, 400, 500 & 600 mm  
 CP1302828

## OPTIONAL ACCESORIES ▼



**BRUSH CENTRALISER.**  
 Recomended to clean ducts from 400 to 600 mm

AC3101600

## TECHNICAL FEATURES

**eon**

Power supply	230 V - 50 Hz 110 V - 60 Hz
Power supply	370 W máxima
Motor rotation speed	0 - 3000 r.p.m.
Motor operating speed	0 - 500 r.p.m.
Noise level	< 70 dB
Direction of rotation	Right   Left
Control system	Electric
Control panel	HMI screen
Dimensions [L x W x H]	967 x 365,5 x 1002 mm 38,07 x 14,39 x 39,45 in
Weight	65,5 kg   144,4 lb
Hose length	15 m   50 ft
Structural material	Stainless steel and HDPE



# ibrush

Compact extraction duct cleaning system

## Maximum portability

This is an 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

Rotary axis length

**7,5** m





## INCLUDED ACCESORIES ▼



**ROTARY FLEXIBLE SHAFT** Foaming, rinsing and brushing hose 7.5 m | 24.6 ft. long.  
AC3303608

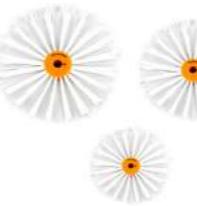


**WRIST REMOTE CONTROL.**



**ROTATING SHAFT TRANSPORT BAG.**

## CONSUMABLES ▼



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



**COMEGRAS**  
Ultraconcentrated degreaser.  
10 kg | 22 lb Container  
PQ8100122

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

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

**PACK 4 SQUARE DUCT BRUSHES.**  
Ø250 | 300 | 350 | 400 mm.  
CP2500511



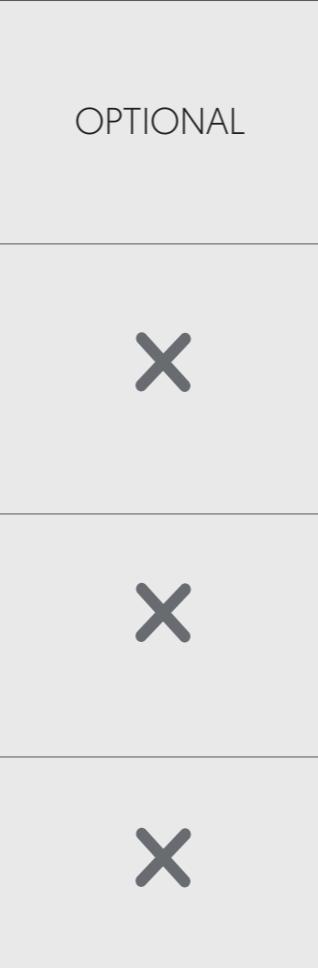
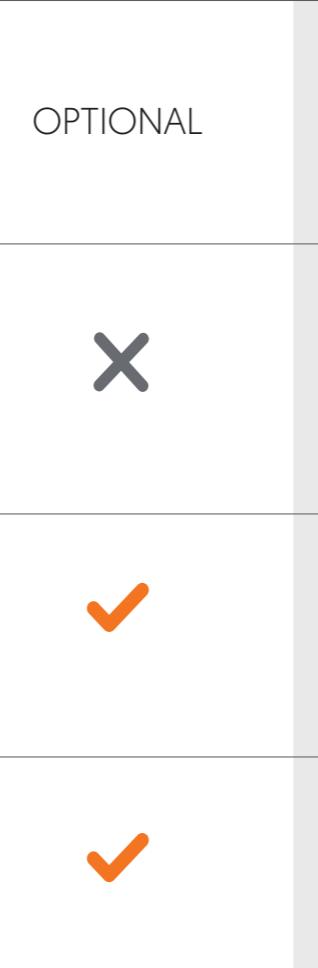
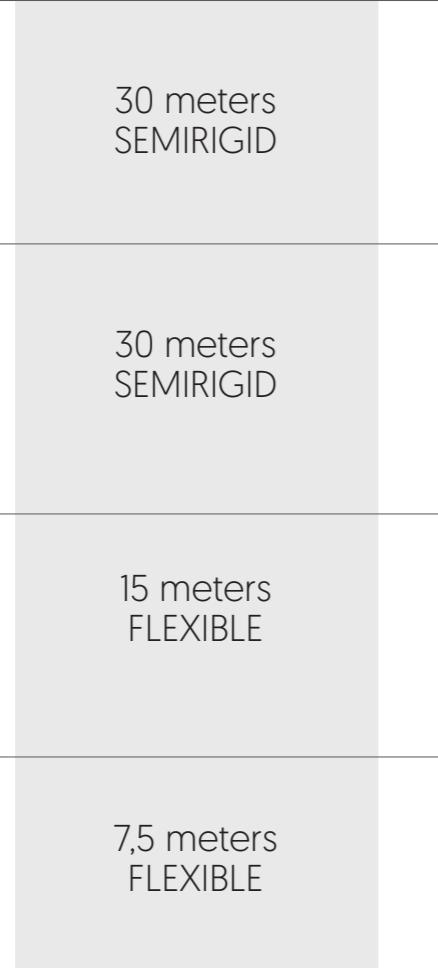
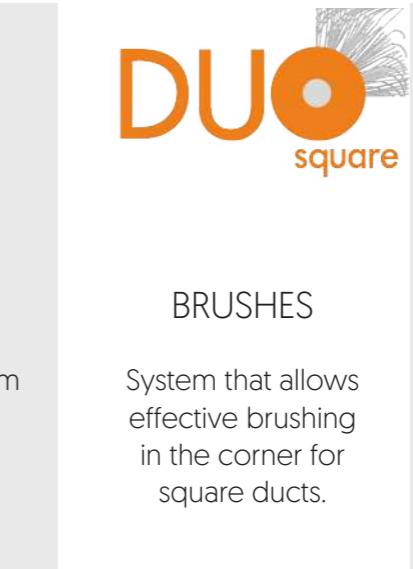
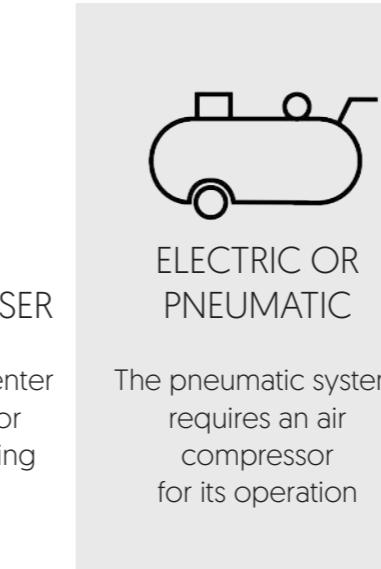
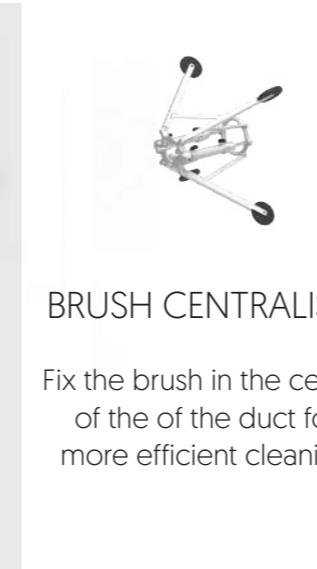
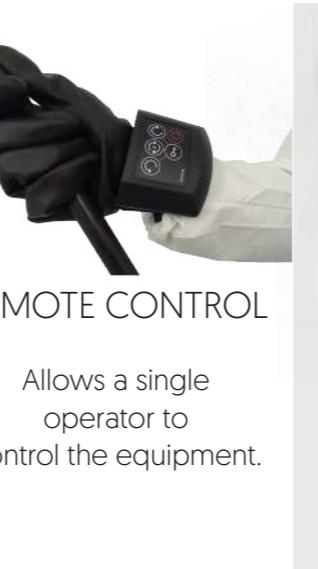
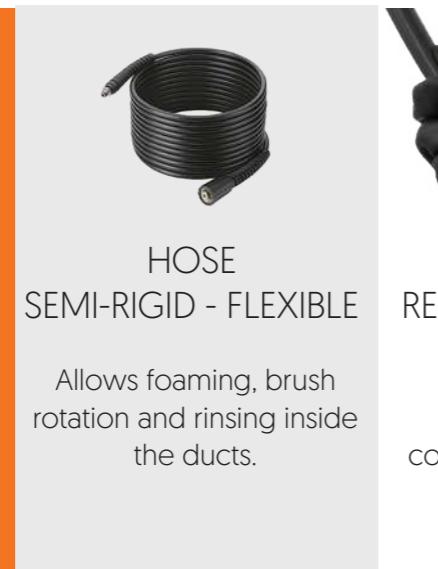
## TECHNICAL FEATURES

**ibrush**

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 r.p.m.
Turning system	Right   left
Control panel	Membrane keypad
Control system	Electric
Engine power	0,37 kW   0,5 HP
Sound level	< 70 dB
Shaft length	7,5 m   24.6 ft
Structure material	Stainless steel and HDPE
Dimensions [L x W x H]	436 x 217 x 457 mm 17 x 8.5 x 18 inch
Weight	14,5 kg   32 lb



BRUSHING EQUIPMENT FOR DUCTS



# 02

## ACTIVE FOAM GENERATION SYSTEMS

### 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.

iFoam equipment are active foam and rinse generators that provide maximum performance in the cleaning process of extraction systems.

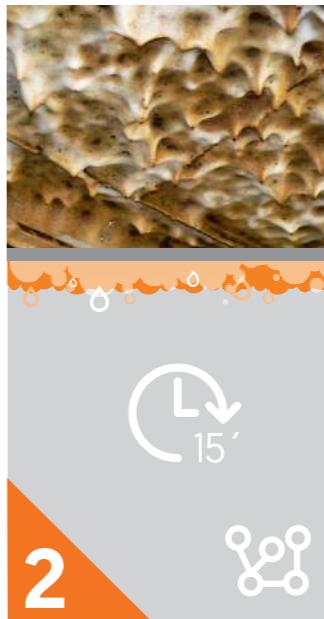


### THE FOAM ACTIVE PROCEDURE



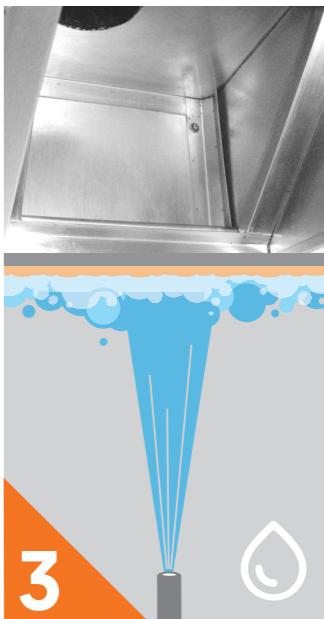
#### FOAM INJECTION

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



#### EMULSIFICATION

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.
- High pressure water rinsing (150 bar)
- Power and speed for **cleaning large surfaces.**



**Lance adjustable in angle**  
Easily reaches the most inaccessible recesses.



**LED indicator**  
Shows the status of the machine.



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



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





## THE EQUIPMENT INCLUDES ▼



### ADJUSTABLE LANCE.

Foam injection and high pressure rinsing

AC3303340 + AC3303343

### HOSE.

High pressure liquid connection 8 m

AC3303222

### ROTATING NOZZLE ROTOJET.

High pressure rinsing

AC3303310

## OPTIONAL ACCESORIES ▼



### HOSE REEL FOR MAINS WATER.

10 m

HE7300200



### UNIVERSAL TAP ADAPTER.

AC6200003



### TAP CONNECTION FOR THREADED SOCKETS.

AC6200005

## CONSUMABLES ▼



### COMEGRAS

Ultra-concentrated degreaser.

Container 10 kg

PQ8100122

## APPLICATIONS ▼



Hood



Extractor fan

ifoam  
PRO

## TECHNICAL FEATURES

Electric power supply	220 V 50Hz	110 V 60 Hz
Power consumption	10,7 A	12,4 A
Power	2350 W	1500 W
Hydraulic supply Maximum temperature	Min. pressure 1 bar 14,5 psi - 60°C   140 F	
Hose length	10 m 33 ft	8 m 26 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 440 x 1039 mm 22.5 x 17 x 41 inch	
Unloaded weight	55 kg   121 lb	



ACTIVE FOAM GENERATION AND RINSING SYSTEMS

# ifoam COMPACT

Portable active foam generator

For cleaning hoods, extractors and greasy surfaces.

Perfect for the most inaccessible places,  
such as rooftops.



## APPLICATIONS ▾



## ACCESSORIES INCLUDED ▾



Low pressure foam injection and rinsing lance 60 cm  
AC3303301

LIQUID HOSE. 8 m length  
AC3303221

## OPTIONAL ACCESORIES ▾



ADJUSTABLE LANCE. Foam and rinse lance. 127/139 cm  
AC3303341

HOSE REEL FOR MAINS WATER. 10 meters  
HE7300200

## CONSUMABLES ▾



COMEGRAS  
Ultraconcentrated degreaser. Container 10 kg.  
PQ8100122



## TECHNICAL FEATURES

ifoam  
COMPACT

Electric power supply	220 V - 50/60 Hz 110 V - 50/60 Hz
Max power	325 W
Max. output pressure	5,5 bar   80 psi
Control	Membrane keyboard
Connections	Quick connectors
Structure material	Stainless steel & HDPE plastic
Dimensions [L x W x H]	456 x 522 x 216 mm 16,95 x 20,6 x 8,5 inches
Unloaded weight	17 kg   37,48 lb



ACTIVE FOAM GENERATION AND RINSING SYSTEMS



COMPARATIVE  
ifoam Pro  
ifoam Compact



CLEARED IN  
HIGH PRESSURE

150 bar



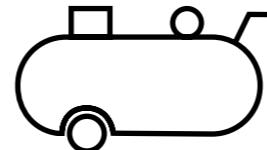
ECO  
MODE

Optimization of  
degreaser  
consumption



ADJUSTABLE  
LANCE

Reaches the  
most inaccessible  
recesses

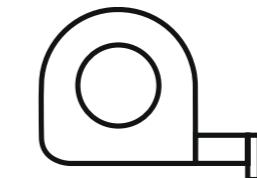


COMPRESSOR



ROTATING  
NOZZLE

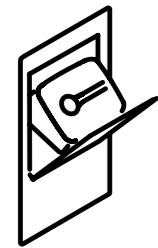
Hydrobrushing



MEASURES



WEIGHT



CHEMICAL  
COMPARTMENT

Incorporates compartment  
for degreaser

ifoam  
PRO



INTEGRATED



[L x A x Al]  
570 x 440 x 1040 mm  
22.5 x 17 x 41 in

55 Kg



ifoam  
COMPACT



OPTIONAL

INTEGRATED



[L x A x Al]  
456 x 522 216 mm  
18 x 20.6 x 8.5 in

17 Kg



# 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.



## APPLICATIONS ▼



## Hood



## Extractor fan

Pump supplied  
triple-cylinder in  
stainless steel with  
cladding ceramic



## STANDARD EQUIPMENT ▾



## TROLLEY



HOSE 8m



## PISTOL GRIP + LANCE

## OPTIONAL ACCESSORIES ▾



**ADJUSTABLE LANCE+  
HANDLE** to an angle of  
20° to 140°. AC3303340 +  
AC3303343



ROTARY PRESSURE  
CLEANING NOZZLE  
360° of high pressure  
AC3303310



**WATER HOSE**  
15 m extension

TECHNICAL SPECIFICATIONS | HP15

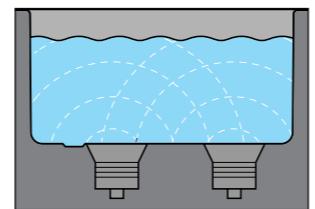
Power supply	220 / 240 50 Hz	120 V 60 Hz
Power	2,5 kW	1,9 kW
Pressure	12,5 bar/ MPa	9,5 bar/ MPa
Maximum pressure	15 bar/ MPa	13 bar/ MPa
Maximum flow rate	8,3 l/min	7,66 l/min
Maximum inlet temperature	60°C	
High pressure hose	Steel reinforcement	
Piston head material	Ceramic	
Dimensions [L x W x H]	460 x 280 x 260 mm 18 x 11 x 10,2 inches	
Weight	24 kg   53 lb	

# 03

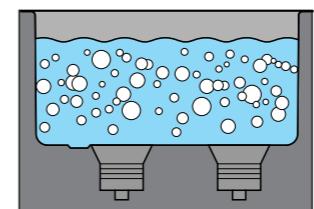
## ULTRASONIC CLEANING

Ultrasonic 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

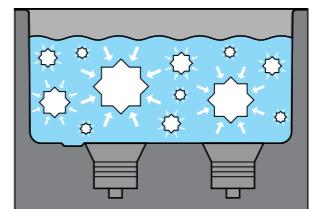


2



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.

3



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

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 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 4-5 kitchen filters simultaneously



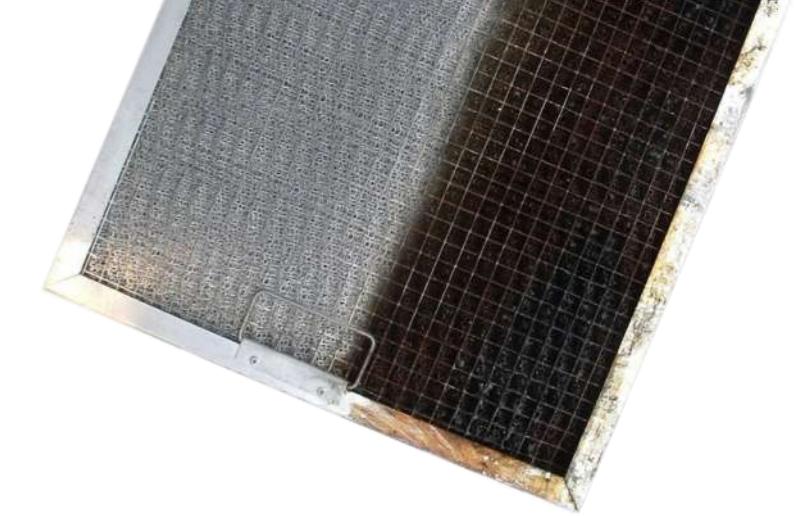
### APPLICATIONS ▾



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.  
Container 10 liters.

PQ8100501



SONIPOWER

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

PQ8200200

### TECHNICAL FEATURES

filnet  
B100

Power supply	220 V 50-60 Hz	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	



ULTRASONIC CLEANING SYSTEM FOR GRIDS AND DIFFUSERS

# filnet B300

## 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 14-15 kitchen filters simultaneously

115V/230V - 50/60Hz

220V - 50/60Hz



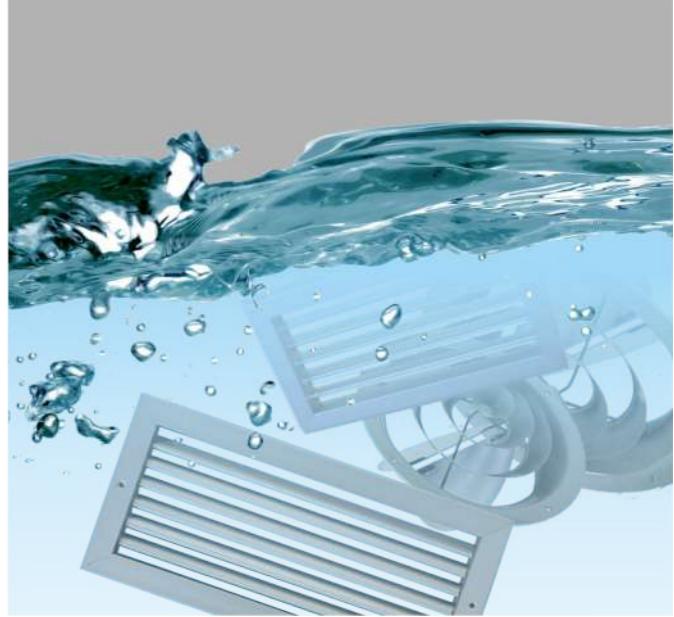
### APPLICATIONS ▾



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.  
Container 10 liters.

PQ8100501



SONIPOWER

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

PQ8200200

filnet  
B300

### 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 uds.	
External dimensions	1050 x 825 x 1090 mm 41 x 32x 43 inch	
Interior dimensions	850 x 565 x 620 mm 33.5 x 22.2x 24.4 inch	
Interior volume	300 liters	
Weight	186 kg   410 lb	



ULTRASONIC CLEANING SYSTEM FOR GRIDS AND DIFFUSERS



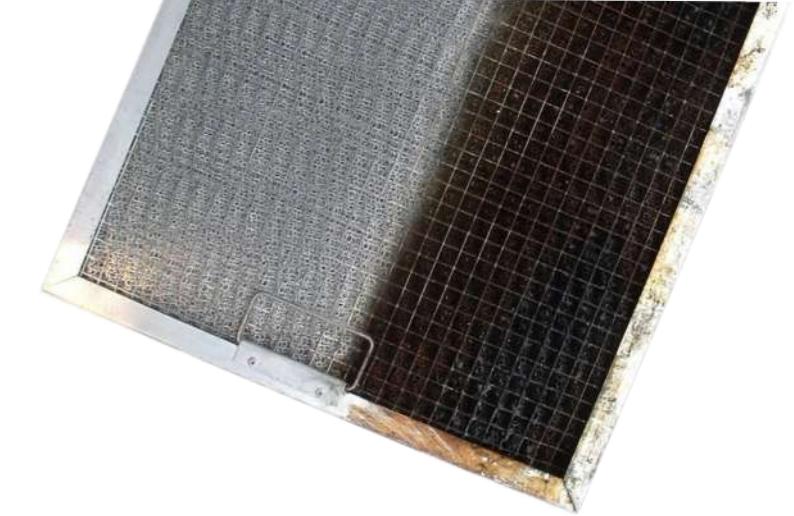
## COMPARATIVE ULTRASONIC CLEANING EQUIPMENT



**B100**



**B300**



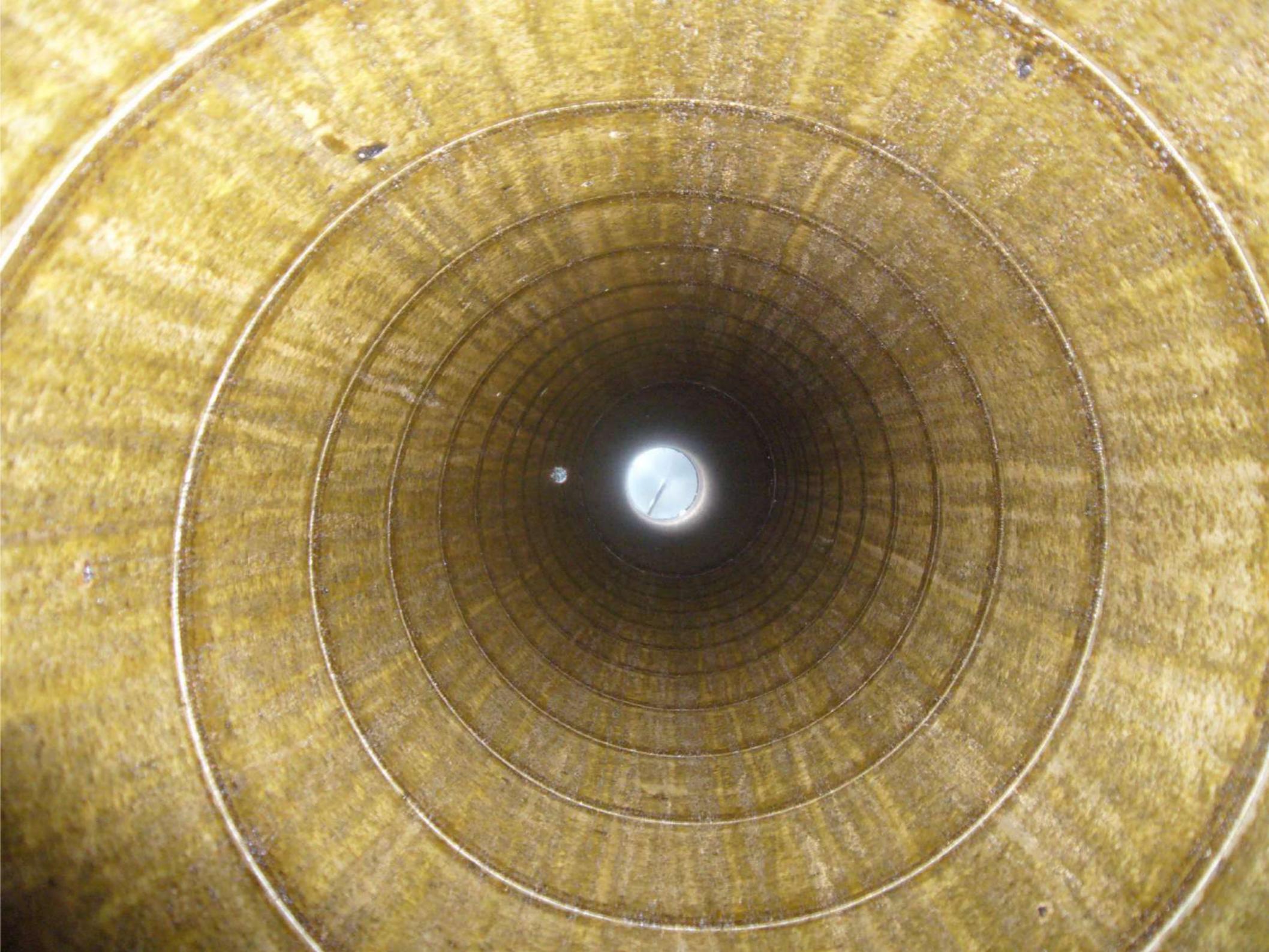
### COMPARATIVE TECHNICAL CHARACTERISTICS

<b>filnet</b>	<b>B300</b>	<b>B100</b>
Power supply	3 phases 380 V/56-60Hz 3 phases 240V /60Hz	220 V 50-60 Hz
Ultrasound power	3000 W	1200 W 900 W
Power generator	SWEET SYSTEM regulable	SWEET 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 / 14-15 filters	85 literes / 4-5 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.



# visiomax

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 ▾



Chimneys



Ducts



Exchanger tubes

Ø 30 to  
400 mm

</div

# 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.



Includes case for transportation ▼



TECHNICAL FEATURES	grasmeter
Range of thickness readings	0 to 1500 microns
Screen	2,4" TF Color
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

# AR16

## Air compressor for cleaning fume extraction systems

Pneumatic brushing equipment requires compressed air for operation. For this reason, we have designed air compressor 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. Page. 5



**FORTE.** Pneumatic duct cleaning brushing robot. Page. 7

## TECHNICAL FEATURES

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



# AR18

## Air compressor for brushing robots

Pneumatic brushing equipment requires compressed air for operation. For this reason, we have designed air compressor 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.



### COMPATIBLE EQUIPMENT ▾



**MULTIPRO.** Extraction  
duct cleaning  
equipment. Page 5



**FORTE.** Pneumatic  
duct cleaning brushing.  
Page 7

### TECHNICAL FEATURES **AR18**

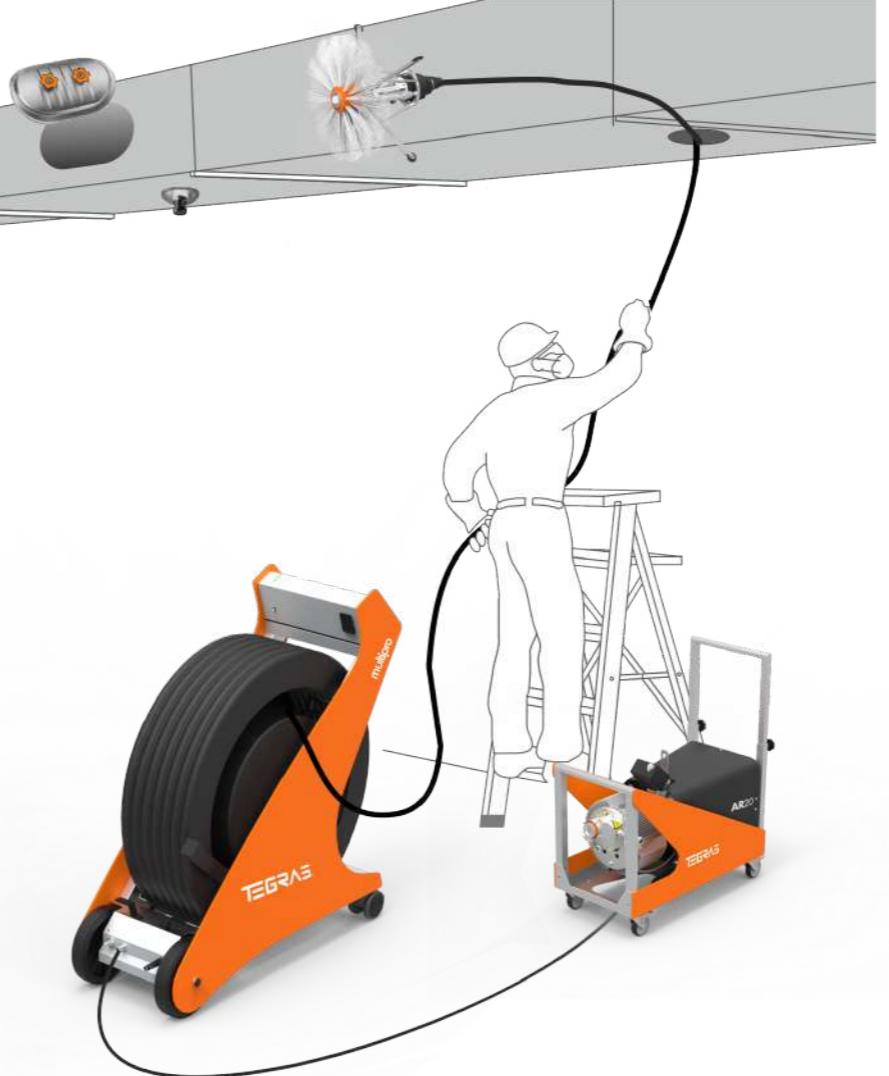
Power supply	110V - 60Hz
Nominal pressure	9 bar   125 psi
Flow rate [6,27 bar]	9,2 cfm   260 l/min
Motor power	2.0 HP   120V   18.8A
Sound level	79 dB
Operating principle	Piston
Tank size	30 litres   8 gal
Plug type	NEMA 5-20P
Dimensions [L x W x H]	1135 x 470 x 635 mm 44,5 x 18,5 x 25 inch
Weight	84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



# AR20

## Air compressor for brushing robots

TEGRAS's pneumatic brushing robots require air compressed for its operation. Therefore, we have designed some air compressor 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. Page. 5



**FORTE.** Pneumatic duct  
cleaning brushing robot.  
Page. 7

**“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 **AR20**

Power supply	400V 50Hz	220V 50Hz	110V 60Hz
Min. power cable section	2,5 mm <sup>2</sup> 3,88 x 10-3 in <sup>2</sup>		
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 litres   0,4 gal		
External structure material	Stainless steel		
Weight	50 kg   110,23 lb		
Dimensions (L x W x H)	802 x 581,5 x 386 mm 31.5 x 22.9 x 15.2 in		



COMPARATIVE  
Compressors  
air compressors



Power supply

**AR16**



230V - 50 Hz

**AR20**



400V / 3 / 50Hz  
110V / 60 Hz | 220V / 50Hz

Suction flow rate

400 l/min

360l/min

Outflow rate

280 l/min /5bar]

240 l/min [5bar]

Warehouse

18 l | 4,7 gal

Continuous work

Pressure

10 bar

10 bar | 145.04 psi

Operating system

Piston

Paddle system

Dimensions [L x W x H]

572 x 636 x 520 mm  
22.5 x 25 x 20.4 inches

802 x 581,5 x 386 mm  
31.5 x 22.9 x 15.2 inches

Weight

44 kg | 97 lb

50 kg | 110 lb

Noise level

82 dB

70 dB

COMPLETE TEAMS



MULTIPRO



FORTE





## 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.

---

EP5300200

### Silicone mask filter.



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

---

EP5300201 1 unit

### Protector facial + visor.



Face shield + polycarbonate acetate visor. Guarantees exclusive comfort thanks to its innovative indirect ventilation that reduces CO<sub>2</sub> concentration.

---

EP5100101

### Replacement protective visor.



---

EP5100200





## ENVIRONMENT PROTECTION

**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 cm HE7400200  
5,5 cm HE7400300

**Suction handle.**



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

HE7400400





## ENVIRONMENT PROTECTION

### Quick seal.

Tape for sealing ducts.



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

---

50 mm x 15 m AC5207450  
75 mm x 15 m AC5207475

### Plastic protector roll Galga 300.



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

---

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

### tevac

### Industrial vacuum cleaner for liquids



---

HE7200104

### Tegras toolbox.



Waterproof case to store accessories and tools for your Tegras machines

---

900 x 600 x 400 mm HE0000001

### Waterproof case.



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

---

440 x 420 x 150 mm AC3303403



## TOOLS AND RELATED PRODUCTS



## TOOLS AND RELATED PRODUCTS

### VISIOPRO

Real time visualization & record.



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

SV3331035 SV-MUL

#### Related equipment

MULTIPRO page. 5



The package includes the harness, camera and carrying case. Visualize and clean at the same time.

Pneumatic centraliser 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

AC3303130

#### Related equipment

MULTIPRO page. 5

FORTE pag.e 7



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



## TOOLS AND RELATED PRODUCTS



## TOOLS AND RELATED PRODUCTS

### Reversible pneumatic drill.



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

HE7100100



### Drill bit

HE7100101



### Tool air hose

AC1012008 8 meter

### 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 compressor has an additional output for tools such as a jigsaw or pneumatic drill.

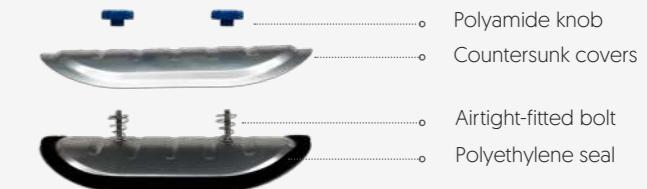
HE7100200

### Pneumatic saw blades



Pack 10 unidades 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 AC7122515

300 x 200 mm AC7123020

400 x 300 mm AC7124030

### Doors for curved ducts



#### INDIVISIBLE PACK OF 5 UNITS

250 x 150 mm Ø200 | Ø250 AC7132525

300 x 200 mm Ø300 | Ø350 AC7133035

300 x 200 mm Ø400 | Ø450 AC7133045

400 x 300 mm Ø500 | Ø700 AC7134050



## TOOLS AND RELATED PRODUCTS



## TRANSPORT ELEMENTS

### 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 Ø7,8- Ø1000 mm

### Tube for duct drain



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



AC6200002

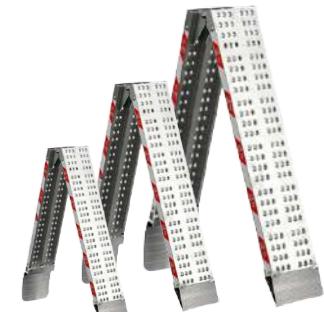
### Pack of allen keys



Pack of allen keys required for TEGRAS equipment

AC3303102

### Folding aluminium ramp.



Ramp to facilitate access to ducts and other uses.

150 x 20 mm AC660R015 59,05x15,74x7,8 inches

220 x 20 mm AC660R020 78,74x15,74x7,8 inches

250 x 20 mm AC660R025 98,42x15,74x7,8 inches



## TOOLS AND RELATED PRODUCTS



## TOOLS AND RELATED PRODUCTS

Water hose extension.



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

Universal tap adapter.



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



HE7300200

AC6200003

Tap connection for threaded sockets.



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

AC6200005



## TOOLS AND RELATED PRODUCTS



## CHEMICALS

### 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.

---

Container 10 litres PQ8100501

#### Related equipment

B100 ULTRASONIC page. 21 | B300 ULTRASONIC page. 22



### 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.

---

Container 10 litres PQ8200200

#### Related equipment

B100 ULTRASONIC page 21 | B300 ULTRASONIC page. 22



### Comegras

Ultraconcentrated degreaser.



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

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Container 10 kg PQ8100122

#### Related equipment

Multipro page 5 / ifoam Pro page. 17 / ifoam Compact page. 17



## CHEMICALS



## Training for extraction system cleaning technicians

We have more than 20 years of experience working on the cleaning of extraction systems in industrial kitchens, as service providers in a first stage, and then as developers of the technology and methodology for this activity.

Our range TEGRAS is specifically designed to perform this type of cleaning with high profitability and efficiency. That is why we are able to train any technician in all areas of this activity.

We have a classroom and a training center and our students can participate in first person, as it is necessary for proper

learning. We have built an extraction system in our training center (canopy or hood, ducts and fan) and we will be using all of our equipment to practice and apply the methodology.

This course aims to cover the training needs of the sector, whose objective is that participants learn how to plan and execute a cleaning of the extraction system, with better profitability and efficiency, thanks to the most advanced technology and procedures on the market.



### Theory (6h)

- Introduction to extraction systems
- Related regulations
- Facilities and particularities
- Grease types
- Grease level
- Evaluation of facilities
  - Inspection systems
  - Measuring systems
  - Cleaning frequency
- Cleaning procedure
  - Data collection
  - Methodology for hood cleaning
  - Methodology for duct cleaning
  - Methodology for filter cleaning
  - Methodology for fan / turbine cleaning
  - Case study: Methodology used of the Filtronic system
- Occupational Risk Prevention Plan
- Business management
- Annex. Glossary of terms

### Practice (2h)

- Preparing the facilities for cleaning
- Environment protection
- Prevention of labor risk (EH&S)
- Opening access doors and drain plugs in ducts
- Equipment connection and start-up
- Using the TEGRAS machines
  - Cleaning the hood / canopy
  - Cleaning the ducts
  - Cleaning the hood filters
- Transport, storage and maintenance of equipment
- Inspections

For any information on the training, you can call us by phone at (+34) 941 44 50 56 or send an email to [info@teinnova.net](mailto:info@teinnova.net)



INTERNATIONAL PRESENCE



OWN MANUFACTURING



TECHNICAL SERVICE



INNOVATION



TRAINING



SHOWROOM



MANAGEMENT  
SYSTEM  
ISO 9001:2015  
ISO 14001:2015  
ISO 45001:2018  
[www.tuv.com](http://www.tuv.com)  
ID: 9105083228