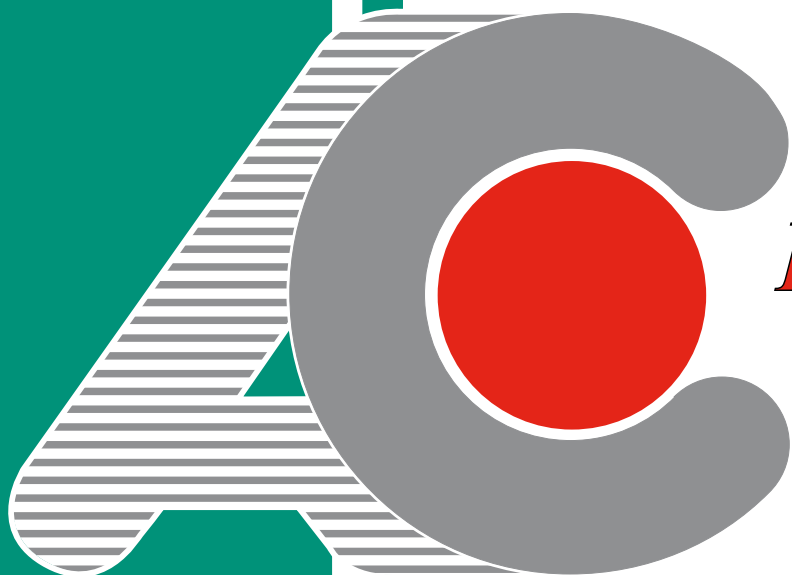
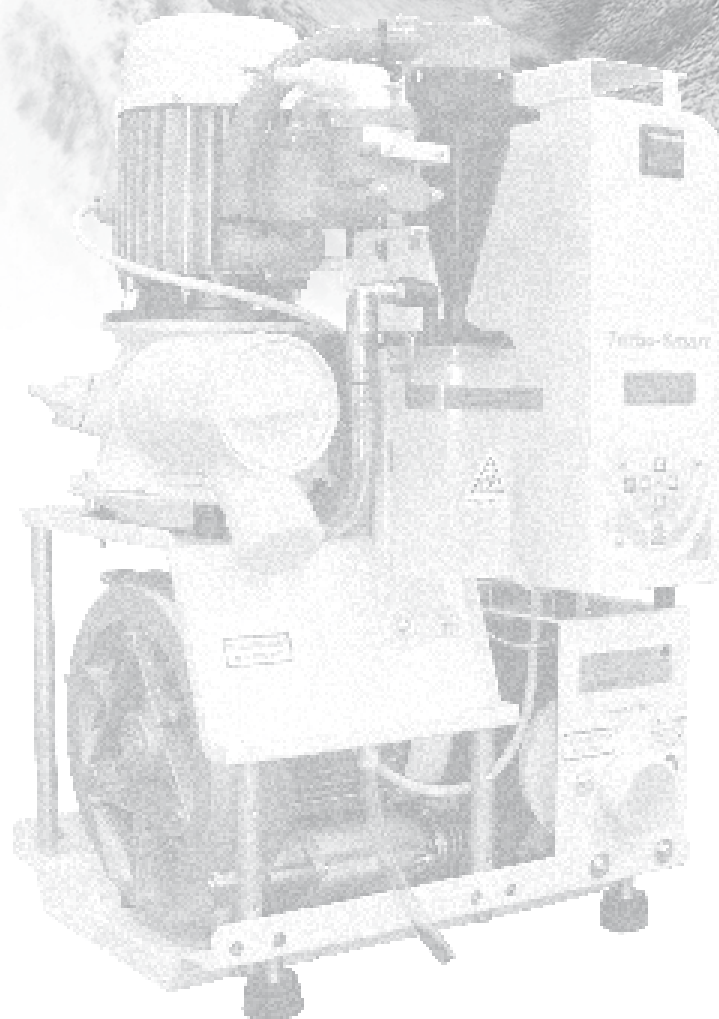


**CATTANI S.p.A.**

**air technology**



## ***PRICE LIST***

in force from the 1st of MARCH 2008

## NOTICE

Any return must be authorized beforehand; only new and recently supplied items will be accepted. Claims are to be notified within 8 days from receipt of goods.

**Prices on this Price List, valid from 1st March 2008, are those granted to our foreign customers; installation costs are not included.** Owing to high invoicing costs, **THE MINIMUM ORDER AMOUNT IS € 150,00.**

**Prices (Ex-Works) are in Euro, VAT excluded; packing included.**

## PRICE UPDATING

By force of circumstances beyond our control, prices of spare parts, semi-finished products and even of complete units can be increased without prior notice.

## TECHNICAL UPDATING

The manufacturer reserves the right to modify the products for technical, normative and functional reasons or for problems due to the availability of products or semi-finished products, without prior notice.

**Dimensions and technical specifications are not binding.**

## WARRANTY

**All our appliances are guaranteed for 12 months from date of sale (except oil-free compressors: 3-year warranty), provided that the warranty slip is sent back to the manufacturer and that warranty conditions mentioned in the slip are fulfilled.**

Warranty does not cover the external hoses of tip supports. Cleaning, disinfection and maintenance are indispensable to grant long life to the aspirator. In case cleaning/disinfection/maintenance interventions are not carried out regularly, warranty cannot be applied to the machine.

## ACCESSORIES AND SPARE PARTS

The prices of accessories, consumables and most frequently used accessories are listed on pages 39-40-41-42-43 and 44.

The complete spare parts price list can be supplied on demand.





## NEW ITEMS

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Turbo-Smart as draining pump for separator tanks .....	page	15
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Dust extraction for dental laboratories .....	page	45
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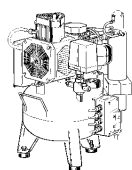


# Compressors with CE certifications

## Standard specifications of all oil-free compressors

- All CATTANI/ESAM standard compressors are oil-free and equipped with 4 filters, which guarantee high-quality pure dry compressed air.
- On demand the sterilizing filter can be fitted to all models.
- Tanks are coated with alimentary resin for a good conservation of the air.
- The asynchronous motors are manufactured according to I.E.C.- EN-60034 regulations - 1 V edition of 2000 - 10 and UL 1004 for North America.

### ONE-CYLINDER COMPRESSOR



**Item 070170**  
(230V 50Hz 1~)  
**Item 070183**  
(220V 60Hz 1~)

#### Without air drier.

Single-phase motor 50 Hz - 0.55 kW - 3.8 A.  
Single-phase motor 60 Hz - 0.65 kW - 4.7 A.  
Air tank 24 litres.  
Produced air with delivery pressure at 5 real bar: 67.5 N l/min.  
Sound pressure level 70 dB (A).  
W= 505 mm D= 550 mm H= 735 mm  
Net Weight= 38.5 kg Gross Weight= 52 kg

**Item 070130**  
(230V 50Hz 1~)  
**Item 070107**  
(220V 60Hz 1~)

#### With air drier.

Net Weight= 44 kg Gross Weight= 61 kg



**Item 070165**  
(230V 50Hz 1~)  
**Item 070161**  
(220V 60Hz 1~)

#### With noise-reducing plastic cover, without air drier.

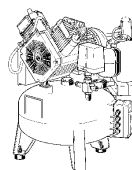
Sound pressure level 63 dB (A).  
W= 540 mm D= 630 mm H= 860 mm  
Net Weight= 50 kg Gross Weight= 69.5 kg

**Item 070150**  
(230V 50Hz 1~)  
**Item 070154**  
(220V 60Hz 1~)

#### With noise-reducing plastic cover and air drier.

Net Weight= 58 kg Gross Weight= 76 kg

### TWO-CYLINDER COMPRESSOR



**Item 070270**  
(230V 50Hz 1~)  
**Item 070275**  
(400V 50Hz 3~)  
**Item 070283**  
(220V 60Hz 1~)

#### Without air drier.

Single-phase motor 50 Hz - 1.2 kW - 7.7 A. Three-phase 1.5 kW - 6.4/3.6 A.  
Single-phase motor 60 Hz - 1.5 kW - 9.2 A.  
Air tank 45 litres.  
Produced air with delivery pressure at 5 real bar: 160 N l/min.  
Sound pressure level 71 dB (A).  
W= 560 mm D= 590 mm H= 760 mm  
Net Weight= 52 kg Gross Weight= 71 kg

**Item 070230**  
(230V 50Hz 1~)  
**Item 070235**  
(400V 50Hz 3~)  
**Item 070207**  
(220V 60Hz 1~)

#### With air drier.

Net Weight= 57.5 kg Gross Weight= 78 kg



**Item 070265**  
(230V 50Hz 1~)  
**Item 070238**  
(400V 50Hz 3~)  
**Item 070261**  
(220V 60Hz 1~)

#### With noise-reducing plastic cover, without air drier.

Sound pressure level 63 dB (A).  
W= 580 mm D= 630 mm H= 930 mm  
Net Weight= 57 kg Gross Weight= 76 kg

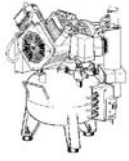
**Item 070250**  
(230V 50Hz 1~)  
**Item 070252**  
(400V 50Hz 3~)  
**Item 070254**  
(220V 60Hz 1~)

#### With noise-reducing plastic cover and air drier.

Net Weight= 70 kg Gross Weight= 90 kg



## TWO-CYLINDER COMPRESSOR 25-litre tank



Item 070269  
(230V 50Hz 1~)  
Item 070292  
(400V 50Hz 3~)  
Item 070293  
(220V 60Hz 1~)

**Without air drier.**  
Air tank 24 litres.  
W= 540 mm D= 530 mm H= 730 mm  
Net Weight= 44 kg Gross Weight= 61 kg

Item 070225  
(230V 50Hz 1~)  
Item 070226  
(400V 50Hz 3~)  
Item 070278  
(220V 60Hz 1~)

**With air drier.**  
Net Weight= 52 kg Gross Weight= 69 kg



Item 070267  
(230V 50Hz 1~)  
Item 070259  
(400V 50Hz 3~)  
Item 070289  
(220V 60Hz 1~)

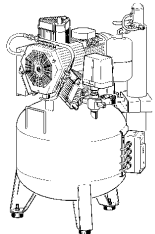
**With noise-reducing plastic cover, without air drier.**  
W= 540 mm D= 630 mm H= 860 mm  
Net Weight= 50 kg Gross Weight= 69,5 kg

Item 070255  
(230V 50Hz 1~)  
Item 070257  
(400V 50Hz 3~)  
Item 070243  
(220V 60Hz 1~)

**With noise-reducing plastic cover and air drier.**  
Net Weight= 65 kg Gross Weight= 85 kg

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## THREE-CYLINDER COMPRESSOR

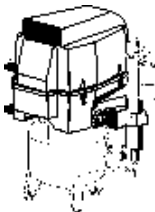


Item 070370  
(230V 50Hz 1~)  
Item 070375  
(400V 50Hz 3~)  
Item 070383  
(220V 60Hz 1~)

**Without air drier.**  
Single-phase motor 50 Hz - 1.5 kW - 10.2 A. Three-phase 1.5 kW - 6.4/3.7 A.  
Single-phase motor 60 Hz - 1.75 kW - 12.2 A.  
Air tank 75 litres.  
Produced air with delivery pressure at 5 real bar 238 N l/min.  
Sound pressure level 73.6 dB (A).  
W= 580 mm D= 600 mm H= 940 mm  
Net Weight= 65 kg Gross Weight= 85 kg

Item 070330  
(230V 50Hz 1~)  
Item 070335  
(400V 50Hz 3~)  
Item 070307  
(220V 60Hz 1~)

**With air drier.**  
Net Weight= 72 kg Gross Weight= 93 kg



Item 070365  
(230V 50Hz 1~)  
Item 070363  
(400V 50Hz 3~)  
Item 070361  
(220V 60Hz 1~)

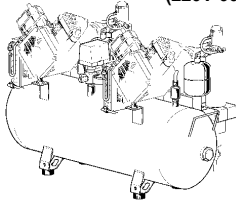
**With noise-reducing plastic cover, without air drier.**  
Sound pressure level 68 dB (A).  
W= 780 mm D= 740 mm H= 1080 mm  
Net Weight= 75 kg Gross Weight= 91 kg

Item 070350  
(230V 50Hz 1~)  
Item 070353  
(400V 50Hz 3~)  
Item 070354  
(220V 60Hz 1~)

**With noise-reducing plastic cover and air drier.**  
Net Weight= 89 kg Gross Weight= 115.5

## TWIN-CYLINDER TWIN-HEAD COMPRESSOR

Item 070430  
(230V 50Hz 1-)  
Item 070435  
(400V 50Hz 3-)  
Item 070407  
(220V 60Hz 1-)



### With 2 air driers.

2 single-phase motors 50 Hz 1.2 kW - 7.7 A. Three-phase 1.5 kW - 6.4/3.6 A.  
2 single-phase motors 60 Hz 1.5 kW - 9.2 A. Three-phase 1.75 kW - 8/4.7 A.  
Air tank 100 litres.  
Produced air with delivery pressure at 5 real bar: 320 N l/min.  
Sound pressure level 73 dB (A).  
W= 1155 mm D= 550 mm H= 745 mm  
Net Weight= 112 kg Gross Weight= 139 kg

Item 070451  
(230V 50Hz 1-)  
Item 070450  
(400V 50Hz 3-)  
Item 070446  
(380V 60Hz 3-)



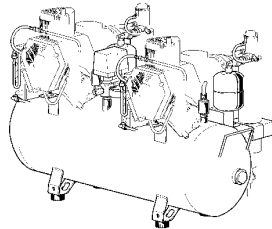
### With noise-reducing plastic covers and 2 air driers.

Sound pressure level 63.8 dB (A).  
W= 1160 mm D= 650 mm H= 890 mm  
Net Weight= 135 kg Gross Weight= 173 kg

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## THREE-CYLINDER TWIN-HEAD COMPRESSOR

Item 070535  
(400V 50Hz 3-)  
Item 070538  
(380V 60Hz 3-)



### With 2 air driers.

2 three-phase motors 50 Hz 1.5 kW - 6.4/3.7 A.  
2 three-phase motors 60 Hz 1.75 kW - 8/4.7 A.  
Air tank 150 litres.  
Produced air with delivery pressure at 5 real bar: 476 N l/min.  
Sound pressure level 74 dB (A).  
W= 1320 mm D= 590 mm H= 890 mm  
Net Weight= 137 kg Gross Weight= 173 kg

Item 070550  
(400V 50Hz 3-)  
Item 070546  
(380V 60Hz 3-)



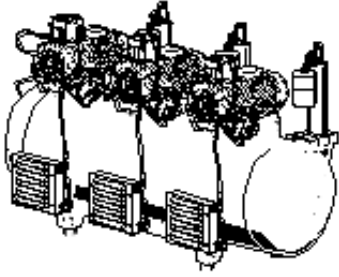
### With noise-reducing plastic covers and 2 air driers.

Sound pressure level 70.4 dB (A).  
W= 1320 mm D= 770 mm H= 1040 mm  
Net Weight= 169 kg Gross Weight= 200 kg

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### THREE CYLINDER TRIPLE HEAD COMPRESSOR

Item 070599  
(400V 50Hz 3~)



#### With three air driers

3 three-phase motors 50 Hz 1.5 kW - 6.4/3.7 A.

Air tank 300 litres

Produced air with delivery pressure at 5 real bar: 714 N l/min.

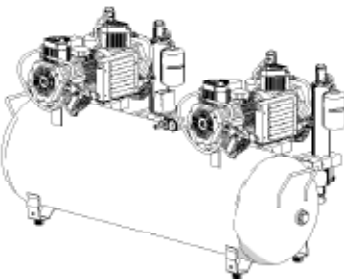
Sound pressure level 75 dB (A)

W= 1800 mm D= 810 mm H=1000 mm

Net Weight= 260 kg Gross Weight= 286 kg

### SIX CYLINDER TWIN-HEAD COMPRESSOR

Item 070595  
(400V 50Hz 3~)



#### With four air driers

2 three-phase motors 50 Hz 4 kW - 17/9.8 A.

Air tank 300 litres

Produced air with delivery pressure at 5 real bar: 952 N l/min.

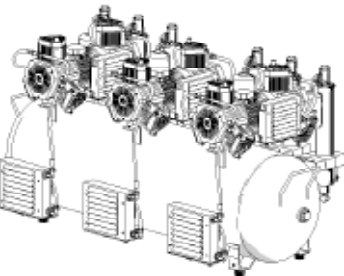
Sound pressure level 81 dB (A)

W= 1800 mm D= 880 mm H=1100 mm

Net Weight= 303 kg Gross Weight= 350 kg

### SIX CYLINDER TRIPLE HEAD COMPRESSOR

Item 070594  
(400V 50Hz 3~)



#### With six air driers

3 three-phase motors 50 Hz 4 kW - 17/9.8 A.

Air tank 300 litres

Produced air with delivery pressure at 5 real bar: 1428 N l/min.

Sound pressure level 82.5 dB (A)

W= 1800 mm D= 1100 mm H=1100 mm

Net Weight= 394 kg Gross Weight= 441 kg


Item 168523



### BALSTON STERILIZING FILTER

Efficiency: 99.9999 +% for 0.01  $\mu\text{m}$  particles.

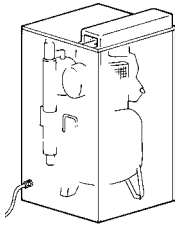
Components: grade "SA" sterilizing cartridge.

The filter can be sterilized in autoclave at 135 °C 



# Deadening boxes for 1/2/3-cylinder compressors, BLOK-JET

## DEADENING BOX



- Item 010810** For 1-cylinder compressor and for 2-cylinder compressor with 25 litre tank.  
Sound pressure level 51.5 dB (A).  
W= 650 mm D= 650 mm H= 895 mm  
Net Weight= 75 kg Gross Weight= 88,5 kg
- Item 010820** For 2-cylinder compressor with 50 litre tank.  
Sound pressure level 51.7 dB (A).  
W= 730 mm D= 730 mm H= 945 mm  
Net Weight= 95 kg Gross Weight= 108 kg
- Item 010830** For 3-cylinder compressor.  
Sound pressure level 51.85 dB (A).  
W= 730 mm D= 730 mm H= 1125 mm  
Net Weight= 110 kg Gross Weight= 123 kg

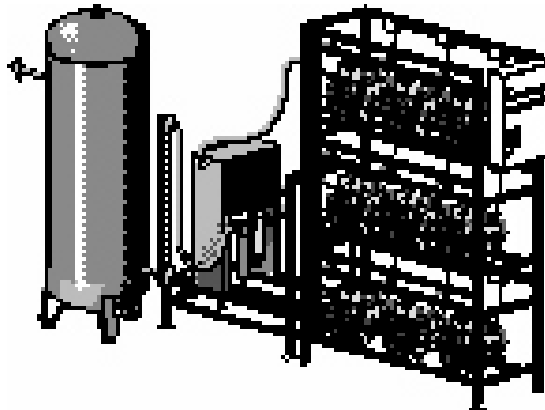


- Item 010811** Deadening box for 1 cylinder compressor.  
Sound pressure level 61.5 dB (A)\*.  
W= 650 mm D= 600 mm H= 780 mm.  
Net Weight= 37 kg Gross Weight= 47 kg
- Item 010821** Deadening box for 2 cylinder compressor with 25 litre tank.  
Sound pressure level 63 dB (A)\*.  
W= 650 mm D= 600 mm H= 780 mm.  
Net Weight= 41 kg Gross Weight= 51 kg

## BLOK-JET FOR COMPRESSORS

### DESIGN AND ESTIMATED COST ON REQUEST

For large plants BLOK-JET is a convenient solution both for its price and for management costs.



Object: Boxes for 1 and 2-cylinder compressors items 010811 and 010821.  
Boxes code 010811 and 010821 can be fitted to 1 and 2-cylinder compressors with 25 litres tanks with the plate "B&B Saldatura".  
These boxes can be used also for 1 and 2-cylinder compressors with 25 litres tanks with the plate "OMAV" manufactured from the year 2008 ("OMAV" tanks manufactured before the year 2008 cannot be fitted with the boxes 010811/ 010821).

- Our deadening boxes are manufactured in metal plate painted with epoxydic-polyester powders, lined with deadening material and provided with automatic inner ventilation.
- Sound pressure level tested according to ISO regulation 3746-1979 (E).  
Parameters: r or d=1.5 - background noise  $\leq$  38 dB (A) - instrument: Brüel & Kjær type 2232.
- \* Sound pressure level tested at 5.5 bar pressure.

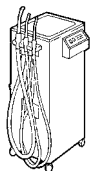


# Cabinet-type aspirators with induction motor

## Common specifications of all cabinet-type aspirators with induction motor

- Motor protected by a thermal device. Output power 0.4 kW - 3.1 A
- Maximum flow 1250 l/min.
- Maximum operating head for continuous service 1300 mm H<sub>2</sub>O.
- Three electronic probes for maximum level control of secretion.

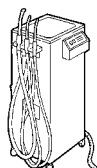
Item 010010  
(230V 50Hz 1-)



### ASPI-JET 6

Medical device with CE mark, ident. no. 0434  
Canister to be emptied manually, capacity 4 litres.  
Sound pressure level 65 dB (A).  
W= 500 mm D= 350 mm H= 760 mm  
Net Weight= 32 kg Gross Weight= 41 kg

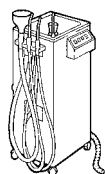
Item 010020  
(230V 50Hz 1-)



### ASPI-JET 7

Medical device with CE mark, ident. no. 0434  
Automatic drainage by means of a pump.  
Sound pressure level 65 dB (A).  
W= 500 mm D= 350 mm H= 760 mm  
Net Weight= 34 kg Gross Weight= 43 kg

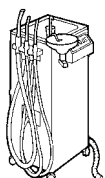
Item 010030  
(230V 50Hz 1-)



### ASPI-JET 8

Medical device with CE mark, ident. no. 0434  
Automatic drainage by means of a pump and water to tumbler.  
Sound pressure level 65 dB (A).  
W= 500 mm D= 350 mm H= 760 mm  
Net Weight= 36 kg Gross Weight= 47 kg

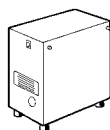
Item 010040  
(230V 50Hz 1-)



### ASPI-JET 9

Medical device with CE mark, ident. no. 0434  
Automatic drainage by means of a pump, water to tumbler, spittoon assembled on stainless steel movable arm, tap for spittoon rinsing.  
Sound pressure level 65 dB (A).  
W= 475 mm D= 560 mm H= 760 mm  
Net Weight= 39 kg Gross Weight= 50 kg

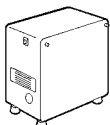
Item 010051  
(230V 50Hz 1-)



### MONO-JET TYPE ALPHA

Square-edged cabinet, automatic drainage by means of a pump, 24 V controls.  
Sound pressure level 59 dB (A).  
W= 520 mm D= 285 mm H= 440 mm  
Net Weight= 27 kg Gross Weight= 33 kg

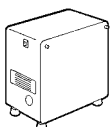
Item 010071  
(230V 50Hz 1-)



### MONO-JET TYPE BETA

Round-edged cabinet, automatic drainage by means of a pump, 24 V controls.  
Sound pressure level 59 dB (A).  
W= 520 mm D= 285 mm H= 440 mm  
Net Weight= 27 kg Gross Weight= 33 kg

Item 010061  
(230V 50Hz 1-)



### MONO-JET TYPE DELTA

Round-edged cabinet, drainage by gravity, 24 V controls.  
Sound pressure level 59 dB (A).  
W= 495 mm D= 300 mm H= 440 mm  
Net Weight= 25 kg Gross Weight= 31 kg

- Mono-Jet units are not equipped with tip support mentioned at page 11.
- Different voltages and frequencies available on request.
- Sound pressure level tested with Ø 11 tip according to ISO regulation 3746-1979 (E).  
Parameters: r or d=1.5 - background noise ≤ 38 dB (A) - instrument: Brüel & Kjær type 2232.



**Accessories available on request**

**Item 040030**

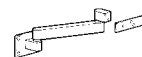
(For manual tip support)

**1-SEGMENT ARM**

**Item 040035**

(For mechanical tip support)

For tip support.  
min. L= 50 mm max. L= 270 mm + tip support.



**Item 040020**

(For pneumatic tip support)

**Item 040050**

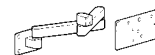
(For manual tip support)

**2-SEGMENT ARM**

**Item 040055**

(For mechanical tip support)

For tip support.  
min. L= 50 mm max. L= 470 mm + tip support.



**Item 040040**

(For pneumatic tip support)

**Item 040043**

(For mechanical tip support)

**3-SEGMENT ARM**

**Item 040042**

(For pneumatic tip support)

For tip support.  
min. L= 50 mm max. L= 680 mm + tip support.

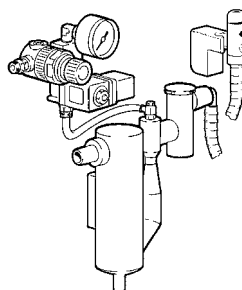


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## Pneumatic aspirator

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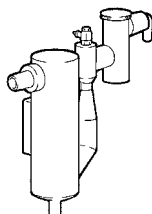
**Item 040000**



**COMPLETE PNEUMATIC ASPIRATOR**

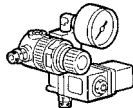
Consisting of: pneumatic aspirator 040005, manometer-electrovalve-pressure reducer 040001, small hose support 040013, small hose and terminal type "B" 040017.

**Item 040005**



**PNEUMATIC ASPIRATOR**

**Item 040001**



**MANOMETER - ELECTROVALVE - PRESSURE REDUCER**

**Item 040013**

(Grey)



**SMALL HOSE SUPPORT**

**Item 040017**

(Grey)

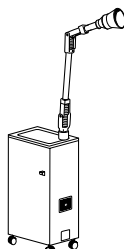


**SMALL HOSE AND TERMINAL**

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**Item 050077**

(230V 50Hz 1~)



**ASPI-ALU with ARM  
(RECOMMENDED FOR ALUMINE TREATMENTS)**

Components: Uni-Jet 75 aspiration unit (motor fitted with thermal protector), articulated arm. Single-phase output power: 0.4 kW - 3.1 A - maximum flow 900 l/min, maximum operating head for continuous service 1300 mm H<sub>2</sub>O.  
Sound pressure level 66 dB (A).  
W= 450 mm D= 350 mm H= 760 mm + arm.  
Net Weight= 32 kg Gross Weight= 43 kg



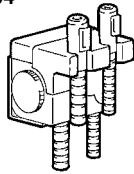
## Tip supports

- Our tip supports can be used in dry, semi-wet or wet centralized plants and on cabinet-type aspirators.
- All tip supports are equipped with an electrical contact to be used with a low tension signal.

### Pneumatic tip support

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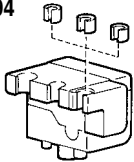
**Item 030031+041094**  
(Grey)



#### SUPPORT WITH PNEUMATIC CLOSURE OF TERMINALS

Components: tip support, manifold with filter, 2 hoses with terminals, accessories and fastening plate.  
W= 135 mm D= 105 mm H= 118 mm

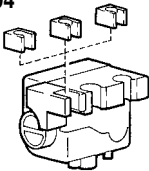
**Item 030050+041094**  
(Grey)



#### SUPPORT WITH PNEUMATIC CLOSURE PLUS SALIVA-EJECTOR SEAT

Components: tip support plus saliva-ejector seat.  
W= 170 mm D= 105 mm H= 118 mm

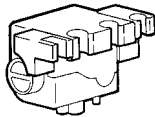
**Item 030056+041094**  
(Grey)



#### SUPPORT WITH PNEUMATIC CLOSURE PLUS SYRINGE SEAT

Components: tip support and syringe seat.  
W= 148 mm D= 105 mm H= 118 mm

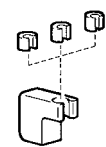
**Item 030108+041094**  
(Grey)



#### SUPPORT WITH PNEUMATIC CLOSURE PLUS SALIVA-EJECTOR AND SYRINGE SEATS

Components: tip support, saliva-ejector seat and syringe seat.  
W= 183 mm D= 105 mm H= 118 mm

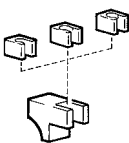
**Item 030071**  
(Grey)



#### SALIVA-EJECTOR SEAT FOR PNEUMATIC SUPPORT

Assembling at rear.

**Item 030081**  
(Grey)



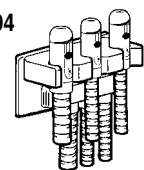
#### SYRINGE SEAT FOR PNEUMATIC SUPPORT

Assembling at rear.

### Manual tip support

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**Item 030021+041094**  
(Grey)



#### SUPPORT WITH MANUAL CLOSURE OF TERMINALS

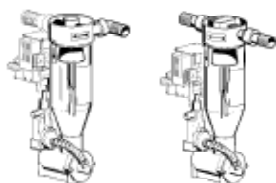
Components: tip support, rectangular manifold with filter, 3 hoses with terminals, accessories and fastening plate.  
W= 180 mm D= 85 mm H= 83 mm

## Dry centralized plants

- The overflow level control and switching on/off of the draining pump of Mini-Separator and Maxi-Canister are obtained by means of electronic probes and circuits, which are standard components of separators and canisters.
- All separators and canisters are supplied with cover, draining valve, fastening brackets, filters, tube-holder sleeves.

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### Item 020995 (90°) - 020997 (180°) AUTOMATIC MINI-SEPARATOR



#### Multi-surgery version to be installed inside the dental unit.

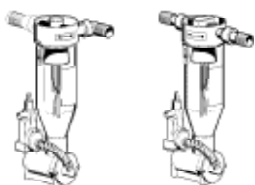
Consisting of: Mini-Separator, electropneumatic valve, draining unit, AC 45 P.B., Ø 25 straight tube-holder, Ø 30 straight tube-holder, Ø 25 bent tube-holder, Ø 30 bent tube-holder.

Canister W= 195 mm D= 135 mm H= 340 mm

Electrovalve W= 120 mm D= 105 mm H= 160 mm

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### Item 021002 (90°) - 021003 (180°) AUTOMATIC MINI-SEPARATOR



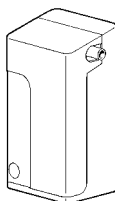
#### Single-surgery version to be installed inside the dental unit.

Consisting of: Mini-Separator, draining unit, AC 45 P.B., Ø 25 straight tube-holder, Ø 30 straight tube-holder, Ø 25 bent tube-holder, Ø 30 bent tube-holder.

Canister W= 195 mm D= 135 mm H= 340 mm

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### Item 020996 AUTOMATIC MINI-SEPARATOR



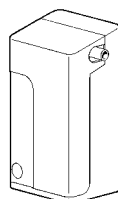
#### Multi-surgery version with box, to be installed outside the dental unit but next to it.

Consisting of: Mini-Separator, electropneumatic valve, siphon and draining pump.

W= 280 mm D= 205 mm H= 475 mm

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### Item 020998 AUTOMATIC MINI-SEPARATOR



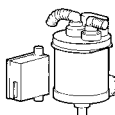
#### Single-surgery version with box, to be installed outside the dental unit but next to it.

No other accessory is required in addition to the complete Mini-Separator with draining pump.

W= 280 mm D= 205 mm H= 475 mm

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### Item 020010 MAXI-CANISTER



#### Multi-surgery version to be installed inside the dental unit.

Consisting of: Maxi-Canister and motorized electrovalve.

Canister W= 180 mm D= 175 mm H= 308 mm

Electrovalve W= 170 mm D= 70 mm H= 235 mm

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### Item 020020 MAXI-CANISTER



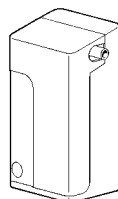
#### Single-surgery version to be installed inside the dental unit.

No other accessory is required in addition to the complete Maxi-Canister.

W= 180 mm D= 175 mm H= 308 mm

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### Item 020030 MAXI-CANISTER WITH BOX

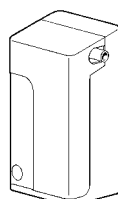


#### Multi-surgery version with motorized electrovalve and box, to be installed outside the dental unit.

W= 280 mm D= 205 mm H= 475 mm

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### Item 020035 MAXI-CANISTER WITH BOX



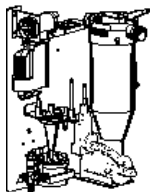
#### Single-surgery version with box, to be installed outside the dental unit.

W= 280 mm D= 205 mm H= 475 mm



# ISO amalgam separators for dry systems

Item 043442 (90°)  
Item 043451 (180°)



## HYDROSEPARATOR (ISO Amalgam Separator)

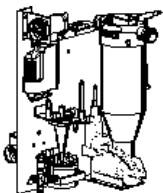
**Single-surgery version to be installed inside the dental unit.**

Components: Mini-Separator with draining pump, Hydrocyclone, spittoon draining unit with printed board, printed board for Mini-Separator with draining pump.

TÜV tested, according to ISO 11143 standard.

W= 290 mm D= 180 mm H= 400 mm

Item 043444 (90°)  
Item 043449 (180°)



## HYDROSEPARATOR (ISO Amalgam Separator)

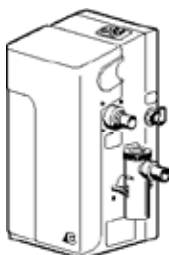
**Multi-surgery version to be installed inside the dental unit.**

Components: Mini-Separator with draining pump, Hydrocyclone, mignon electropneumatic valve, spittoon draining unit with printed board, printed board for Mini-Separator with draining pump.

TÜV tested, according to ISO 11143 standard.

L= 290 mm P= 200 mm H= 400 mm

Item 043565



## CENTRIFUGAL SEPARATOR WITH BOX

**Single- or multi-surgery version with box, to be installed outside the dental unit but next to it.**

Components: centrifugal separator, mignon electropneumatic valve, electronic printed board for centrifugal separator.

TÜV tested Hydrocyclone according to ISO 11143 standard.

Sound pressure level with canalized air 44.8 dB (A). Sound pressure level with canalized air during draining 63.8 dB (A).

W= 380 mm D= 305 mm H= 495 mm

Item 043560

## CENTRIFUGAL SEPARATOR WITH BOX, FITTED WITH HYDROCYCLONE AND SPITTOON DRAINING FILTER UNIT

Item 043130



## AMALGAM CONTAINER FOR ISO HYDROCYCLONE 5.5

With tight cover.

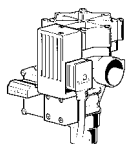
Ø= 97 mm H= 54 mm

## Semi-wet centralized plants with Separator Tank

- In case hospitals, dental schools, clinics or multi-chair dental surgeries have a room below the dental units, we suggest to install one single separator tank in such room, so that the aspirated liquids can be drained thanks to a slight slope. One single tank for many dental units allows to cut costs and to simplify both installation and maintenance.
- In a semi-wet plant all tip supports and aspiration units are the same used in dry systems and they are chosen according to the same standards.
- We suggest to install an electropneumatic valve inside the dental unit, where you would put the Mini-Separator. The Separator tank will be installed in the plant room, between the piping from the chairs and the aspiration units.
- The Separator Tank is fitted with floor-mounting support, electronic overflow control, draining pump and autoclave for automatic rinsing of the tank.

### Electropneumatic valves

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Item 021144

#### ELECTROPNEUMATIC VALVE

For use with AC or DC.  
It starts and stops suction at the dental units of the same plant (not fitted with P.B.unit) making them independent from each other.  
W= 120 mm D= 105 mm H= 160 mm



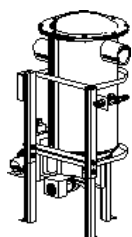
Item 024150

#### ELECTROPNEUMATIC VALVE MIGNON 04

Same functions of Item 021144.  
For use with AC or DC (with P.B.unit).  
W= 84.5 mm D= 70 mm H= 68 mm

### Separator Tanks

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Item 019966

#### SEPARATOR TANK A 54 (aut. drainage)

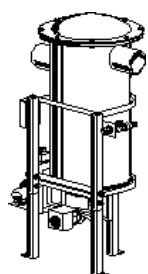
**Automatic drainage with pump - no possibility to install an Hydrocyclone (1).**

Capacity 39 litres, suitable for up to 17 surgeries, with autoclave for automatic rinsing of the tank.  
W= 760 mm D= 490 mm H= 1235 mm

Item 020004

**Drainage by gravity with forced stop of aspiration (possibility to install a Turbo-Smart with or without amalgam separator)**

Capacity 39 litres, suitable for up to 17 surgeries, with autoclave for automatic rinsing of the tank.  
W= 760 mm D= 490 mm H= 1235 mm



Item 019987

#### SEPARATOR TANK A 57 (aut. drainage)

**Automatic drainage with pump - no possibility to install an Hydrocyclone (1).**

Capacity 130 litres, suitable for up to 54 surgeries, with autoclave for automatic rinsing of the tank.  
W= 1075 mm D= 740 mm H= 1560 mm

Item 020007

**Drainage by gravity with forced stop of aspiration (possibility to install a Turbo-Smart with or without amalgam separator)**

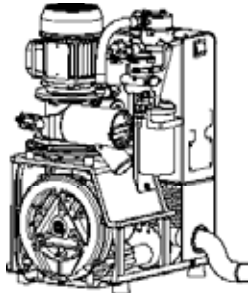
Capacity 130 litres, suitable for up to 54 surgeries, with autoclave for automatic rinsing of the tank.  
W= 1075 mm D= 740 mm H= 1560 mm

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(1) Up to 2500 mm H<sub>2</sub>O head.

## TURBO-SMART AS DRAINING PUMP

Item 035100  
(230V 50Hz)



### TURBO-SMART VERSION "A" WITHOUT BOX

Output power 1.22 kW - 7 A  
Maximum operating head for continuous service 2000 mm H<sub>2</sub>O.  
Sound pressure level with canalized air 68.2 dB (A), version with box 67.3 dB (A).  
W= 400 mm D= 355 mm H= 650 mm  
Net Weight= 36 kg Gross Weight= 45 kg

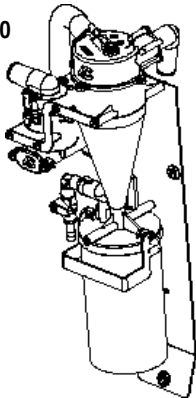
The Turbo-Smart programme can be modified by means of the smart-card to change the function of the machine from aspirator to draining pump or the vice versa.

Item 035110  
(230V 50Hz)

### TURBO-SMART VERSION "A" WITHOUT BOX, FITTED WITH HYDROCYCLONE ISO 18

W= 400 mm D= 360 mm H= 650 mm  
Net Weight= 39 kg Gross Weight= 48 kg

Item 043380

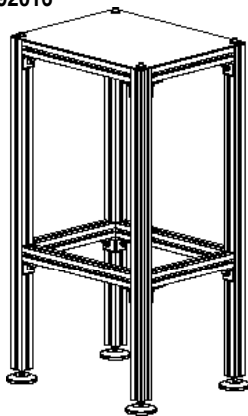


### HYDROCYCLONE ISO 18

#### Version for TURBO-SMART

Components: 1 Hydrocyclone, fixing plates, re-circulation hoses.  
TUV tested, according to ISO 11143 standard.

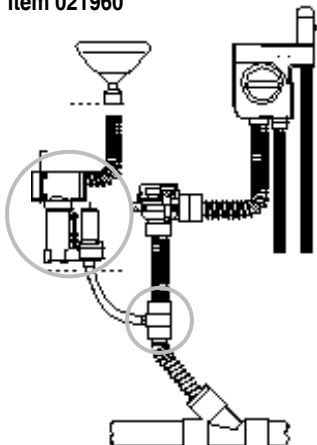
Item 192016



### FRAME FOR TURBO-SMART AS DRAINING PUMP

W= 520 mm D= 425 mm H= 945 mm.

Item 021960



### SPITTOON FILTER DRAINING UNIT

A spittoon draining unit is to be fitted to the dental units when the amalgam separator is installed in a separate plant room.  
Components: spittoon filter, electrovalve with magnet, spittoon draining unit, aspirating pipe connection and printed electronic board.



# Turbo-Smart

The aspirator reacts automatically to any working anomaly which can be dangerous for the machine proper functioning. A display shows the current working parameters of the machine during the aspiration.

Neither peripheral units nor electrical starter are necessary for the installation of Turbo-Smart in parallel. Upgrading by means of a password can be carried out anytime on both new and used machines. Head values can be set by the dentist himself, according to his needs. Each suction machine can service a variable number of dental units depending on different parameters: diameter and length of the piping, number of bends, brand of the dental unit (requirements concerning aspiration can vary), therefore the number of dental units we suggest should not be considered as binding.

## TURBO-SMART

Item 035100  
(230V 50Hz)

### TURBO-SMART VERSION "A" WITHOUT BOX

Output power 1.22 kW - 7 A  
Maximum operating head for continuous service 2000 mm H<sub>2</sub>O.  
Maximum flow 1400 l/min.  
Suggested for 2 surgeries.  
Sound pressure level with canalized air 68.2 dB (A), version with box 67.3 dB (A).  
W= 400 mm D= 355 mm H= 650 mm  
Net Weight= 36 kg Gross Weight= 45 kg

Item 035110  
(230V 50Hz)

### TURBO-SMART VERSION "A" WITHOUT BOX, FITTED WITH HYDROCYCLONE ISO 18 (ISO amalgam separator)

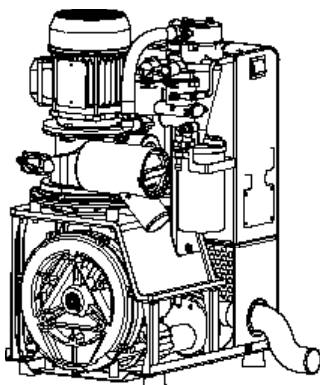
W= 400 mm D= 360 mm H= 650 mm  
Net Weight= 39 kg Gross Weight= 48 kg

Item 035500  
(to be considered as spare part)

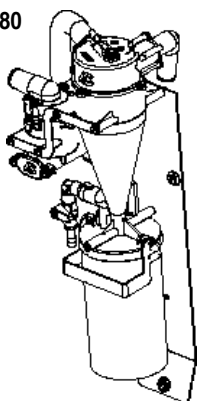
### PASSWORD TO TURN TURBO-SMART VERSION "A" INTO VERSION "B"

#### TURBO-SMART VERSION "B" (upgraded by means of a password)

Output power 1.5 kW - 9 A  
Maximum operating head for continuous service 2000 mm H<sub>2</sub>O.  
Maximum flow 1700 l/min.  
Suggested for 3/4 surgeries.  
Sound pressure level with canalized air 69.6 dB (A), version with box 68.5 dB (A).



Item 043380

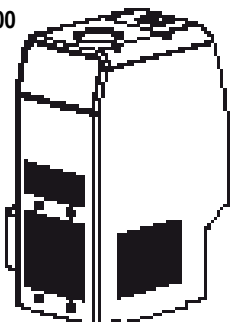


### HYDROCYCLONE ISO 18

#### Version for TURBO-SMART

Components: 1 Hydrocyclone, fixing plates, re-circulation hoses.  
TUV tested, according to ISO 11143 standard.

Item 035000



### BOX FOR TURBO-SMART (INDOORS INSTALLATION) (supplied separately)

Moulded panels are easy to assemble and supplied with fixing plates, screws and instruction manual.

Item 160498

### ANTIFREEZE DEVICE FOR TURBO-SMART



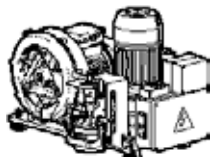
# Turbo-Jet *modular* and Turbo HP

- All models are fitted with electrical control panel.
- TURBO-JET *modular* and Turbo HP units installed in **parallel** must be completed with a **starter** (positioned in the engine room) and with **peripheral units** (in the surgeries), see page 25 (item 026800/026805 and 180949).
- Each suction machine can service a variable number of dental units depending on different parameters: diameter and length of the piping, number of bends, brand of the dental unit (requirements concerning aspiration can vary), therefore the number of dental units we suggest should not be considered as binding.
- Turbo HP tre / Turbo HP tre 2V and Turbo HP quattro / Turbo HP quattro 2V are replacing the previous Turbo-Tecno / Turbo-Tecno 2V and Turbo-Flux / Turbo-Flux 2V.

## TURBO-JET 1 *modular*

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Item 026110 (230V 50Hz 1~)



### TURBO-JET 1 *modular* WITHOUT BOX

Motor protected by a thermal device.  
Output power 0.42 kW - 4 A, maximum flow 650 l/min, maximum operating head for continuous service 1300 mm H<sub>2</sub>O.  
For one surgery.  
Sound pressure level with canalized air 61 dB (A).  
W= 540 mm D= 350 mm H= 360 mm  
Net Weight= 22 kg Gross Weight= 27 kg

Item 029610 (230V 50Hz 1~)

### TURBO-JET 1 *modular* WITHOUT BOX, WITH ISO HYDROCYCLONE 5.5

W= 540 mm D= 450 mm H= 380 mm  
Net Weight= 24 kg Gross Weight= 29 kg

Item 026150 (230V 50Hz 1~)



### TURBO-JET 1 *modular* WITH BOX

As for technical specifications, refer to item 026110.  
Sound pressure level with canalized air 58 dB (A).  
W= 565 mm D= 320 mm H= 420 mm  
Net Weight= 34 kg Gross Weight= 41 kg

Item 029650 (230V 50Hz 1~)

### TURBO-JET 1 *modular* WITH BOX AND ISO HYDROCYCLONE 5.5

W= 640 mm D= 320 mm H= 420 mm  
Net Weight= 36 kg Gross Weight= 43 kg

Item 026170 (230V 50Hz 1~)



### TURBO-JET 1 *modular* WITH NOISE-REDUCING BOX

As for technical specifications, refer to item 026110.  
Sound pressure level with canalized air 52 dB (A).  
W= 610 mm D= 320 mm H= 465 mm  
Net Weight= 40 kg Gross Weight= 47 kg

Item 029690 (230V 50Hz 1~)

### TURBO-JET 1 *modular* WITH NOISE-REDUCING BOX AND ISO HYDROCYCLONE 5.5

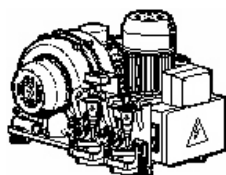
W= 640 mm D= 320 mm H= 465 mm  
Net Weight= 42 kg Gross Weight= 49 kg



## TURBO-JET 2 *modular*

- Suggested for two surgeries working at the same time: the first one with tip no. 17 or 20 and the second one with tip no. 9/10/21 or saliva ejector.

Item 026210 (230V 50Hz 1~)



### TURBO-JET 2 *modular* WITHOUT BOX

Motor protected by a thermal device.  
Output power 0.80 kW - 6.1 A, maximum flow 650 l/min, maximum operating head for continuous service 2600 mm H<sub>2</sub>O.  
Sound pressure level with canalized air 65 dB (A).  
W= 560 mm D= 440 mm H= 380 mm  
Net Weight= 27 Kg Gross Weight= 32 kg

Item 029810 (230V 50Hz 1~)

### TURBO-JET 2 *modular* WITHOUT BOX, WITH ISO HYDROCYCLONES 5.5

W= 560 mm D= 520 mm H= 380 mm  
Net Weight= 30 Kg Gross Weight= 35 kg

Item 026220 (230V 50Hz 1~)

### TURBO-JET 2 *modular* WITHOUT BOX Version for installation in PARALLEL (fitted with one-way valve)

Item 029814 (230V 50Hz 1~)

### TURBO-JET 2 *modular* WITHOUT BOX, WITH ISO HYDROCYCLONES 5.5 Version for installation in PARALLEL (fitted with one-way valve)

Item 026250 (230V 50Hz 1~)



### TURBO-JET 2 *modular* WITH BOX

As for technical specifications, refer to item 026210.  
Sound pressure level with canalized air 61 dB (A).  
W= 560 mm D= 430 mm H= 470 mm  
Net Weight= 37 Kg Gross Weight= 43 kg

Item 029850 (230V 50Hz 1~)

### TURBO-JET 2 *modular* WITH BOX AND ISO HYDROCYCLONES 5.5

W= 660 mm D= 430 mm H= 470 mm  
Net Weight= 40 Kg Gross Weight= 46 kg

Item 026254 (230V 50Hz 1~)

### TURBO-JET 2 *modular* WITH BOX Version for installation in PARALLEL (fitted with one-way valve)

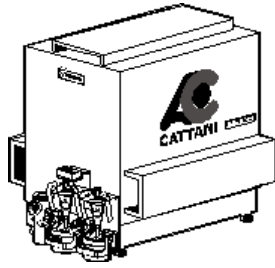
Item 029854 (230V 50Hz 1~)

### TURBO-JET 2 *modular* WITH BOX AND ISO HYDROCYCLONES 5.5 Version for installation in PARALLEL (fitted with one-way valve)

- Double-fan aspiration units warm up proportionally to operating head value. If operating head gets above 1500 mm H<sub>2</sub>O, the room must be adequately ventilated or conditioned.
- Sound pressure level tested according to ISO regulation 3746 -1979 (E).  
Parameters: r or d =1.5 - background noise ≤ 38 dB (A) - instrument: Brüel & Kjær type 2232.



Item 026270 (230V 50Hz 1~)



**TURBO-JET 2 modular WITH NOISE-REDUCING BOX**

As for technical specifications, refer to item 026210.  
Sound pressure level with canalized air 56 dB (A).  
W= 560 mm D= 480 mm H= 510 mm  
Net Weight= 44 Kg Gross Weight= 50 kg

Item 029870 (230V 50Hz 1~)

**TURBO-JET 2 modular WITH NOISE-REDUCING BOX AND ISO HYDROCYCLONES 5.5**

W= 660 mm D= 480 mm H= 510 mm  
Net Weight= 47 Kg Gross Weight= 53 kg

Item 026274 (230V 50Hz 1~)

**TURBO-JET 2 modular WITH NOISE-REDUCING BOX**

**Version for installation in PARALLEL (fitted with one-way valve)**

Item 029874 (230V 50Hz 1~)

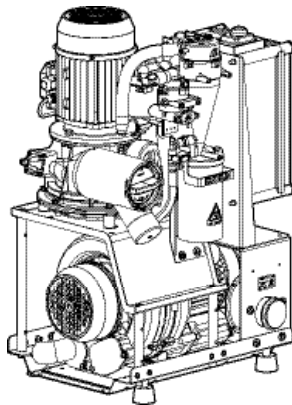
**TURBO-JET 2 modular WITH NOISE-REDUCING BOX AND ISO HYDROCYCLONES 5.5**

**Version for installation in PARALLEL (fitted with one-way valve)**

## TURBO HP due

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Item 036250 (230V 50Hz 1~)

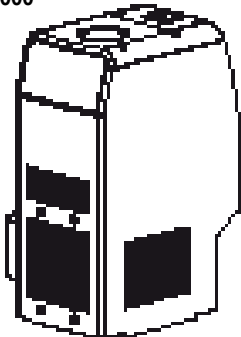


**TURBO HP due WITHOUT BOX, WITH HYDROCYCLONE ISO 18**  
(available only in single-phase version)

**The motor is protected by a thermal switch.**

Output power 0.90 kW - 7.6 A, maximum flow 1000 l/m.  
Maximum operating head for continuous service 2600 mm H<sub>2</sub>O.  
Fitted with thermal switch and valve for the installation in parallel.  
Suggested for 2 surgeries.  
Sound pressure level with canalized air 64.8 dB (A),  
version with box 62.8 dB (A)  
W= 400 mm D= 360 mm H= 650 mm  
Net Weight= 41 kg Gross Weight= 50 kg

Item 035000



**BOX FOR TURBO HP due**  
(supplied separately)

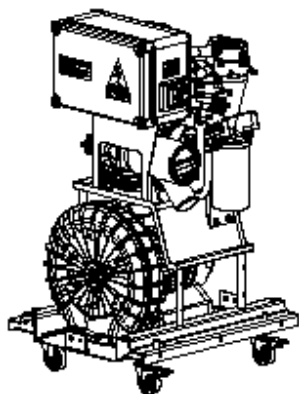
Moulded panels are easy to assemble and supplied with fixing plates, screws and instruction manual.



## TURBO HP tre (replacing Turbo-Tecno *modular*)

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Item 036300 (230V 50Hz 1~)  
Item 036310 (400V 50Hz 3~)



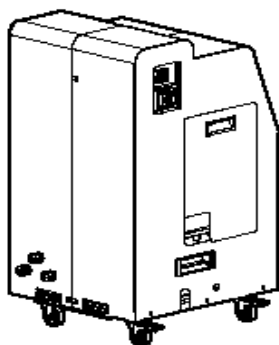
### TURBO HP tre WITHOUT BOX

Output power single-phase 0.95 kW - 8.3 A; three-phase 0.95 kW - 6.2/4.75 A, maximum flow 1400 l/m.  
Maximum operating head for continuous service 1700 mm H<sub>2</sub>O.  
Fitted with thermal switch and valve for the installation in parallel.  
Suggested for 3 surgeries.  
Sound pressure level with canalized air 69.4 dB (A)  
W= 460 mm D= 419 mm H= 771 mm  
Net Weight= 44 kg Gross Weight= 55 kg

Item 036350 (230V 50Hz 1~)  
Item 036360 (400V 50Hz 3~)

### TURBO HP tre WITHOUT BOX, WITH HYDROCYCLONE ISO 18

Item 036320 (230V 50Hz 1~)  
Item 036325 (400V 50Hz 3~)



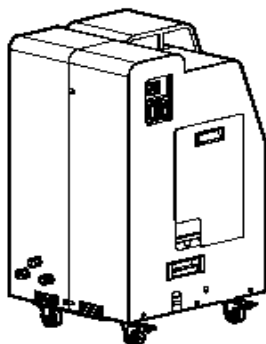
### TURBO HP tre WITH BOX

As for technical specifications, refer to item 036300.  
Sound pressure level with canalized air 62.7 dB (A)  
W= 491 mm D= 419 mm H= 791 mm  
Net Weight= 65 kg Gross Weight= 76 kg

Item 036370 (230V 50Hz 1~)  
Item 036375 (400V 50Hz 3~)

### TURBO HP tre WITH BOX AND HYDROCYCLONE ISO 18

Item 036330 (230V 50Hz 1~)  
Item 036335 (400V 50Hz 3~)



### TURBO HP tre WITH NOISE-REDUCING BOX

As for technical specifications, refer to item 036300.  
Sound pressure level with canalized air 61.6 dB (A)  
W= 491 mm D= 419 mm H= 791 mm  
Net Weight= 70 kg Gross Weight= 81 kg

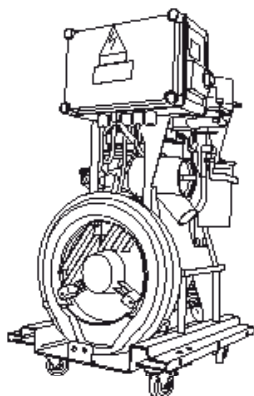
Item 036380 (230V 50Hz 1~)  
Item 036385 (400V 50Hz 3~)

### TURBO HP tre WITH NOISE-REDUCING BOX AND HYDROCYCLONE ISO 18

## TURBO HP quattro (replacing Turbo-Flux modular)

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Item 036400 (230V 50Hz 1~)  
Item 036410 (400V 50Hz 3~)



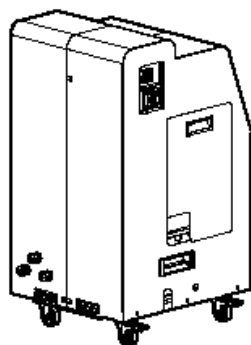
### TURBO HP quattro WITHOUT BOX

Output power single-phase 1.7 kW - 12.3 A; three-phase 1.7 kW - 9.7/6.8 A, maximum flow 1900 l/m.  
Maximum operating head for continuous service 2000 mm H<sub>2</sub>O.  
Fitted with thermal switch and valve for the installation in parallel.  
Suggested for 4 surgeries.  
Sound pressure level with canalized air 69.8 dB (A)  
W= 460 mm D= 419 mm H= 771 mm  
Net Weight= 47 kg Gross Weight= 58 kg

Item 036450 (230V 50Hz 1~)  
Item 036460 (400V 50Hz 3~)

### TURBO HP quattro WITHOUT BOX, WITH HYDROCYCLONE ISO 18

Item 036420 (230V 50Hz 1~)  
Item 036425 (400V 50Hz 3~)



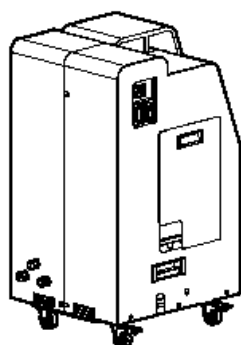
### TURBO HP quattro WITH BOX

As for technical specifications, refer to item 036400.  
Sound pressure level with canalized air 65.5 dB (A)  
W= 491 mm D= 419 mm H= 791 mm  
Net Weight= 71 kg Gross Weight= 82 kg

Item 036470 (230V 50Hz 1~)  
Item 036475 (400V 50Hz 3~)

### TURBO HP quattro WITH BOX AND HYDROCYCLONE ISO 18

Item 036430 (230V 50Hz 1~)  
Item 036435 (400V 50Hz 3~)



### TURBO HP quattro WITH NOISE-REDUCING BOX

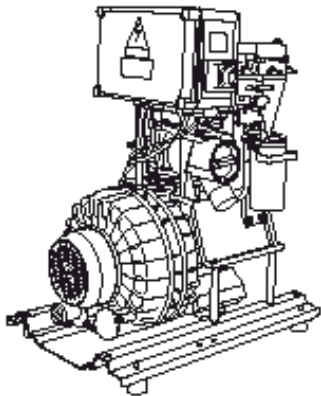
As for technical specifications, refer to item 036400.  
Sound pressure level with canalized air 62 dB (A)  
W= 491 mm D= 419 mm H= 791 mm  
Net Weight= 76 kg Gross Weight= 87 kg

Item 036480 (230V 50Hz 1~)  
Item 036485 (400V 50Hz 3~)

### TURBO HP quattro WITH NOISE-REDUCING BOX AND HYDROCYCLONE ISO 18

## TURBO HP tre 2V (replacing Turbo-Tecno 2V modular)

Item 036600 (230V 50Hz 1~)  
Item 036610 (400V 50Hz 3~)



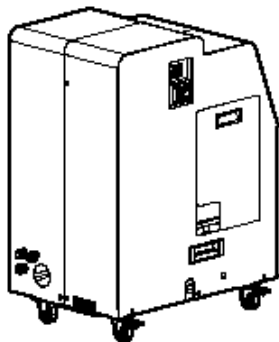
### TURBO HP tre 2V WITHOUT BOX

Output power single-phase 1.5 kW - 11 A; three-phase 1.7 kW - 10.6/7.3 A, maximum flow 1500 l/m.  
Maximum operating head for continuous service 2600 mm H<sub>2</sub>O.  
Fitted with thermal switch and valve for the installation in parallel.  
Suggested for 3 surgeries.  
Sound pressure level with canalized air 69.6 dB (A)  
W= 590 mm D= 419 mm H= 771 mm  
Net Weight= 53 kg Gross Weight= 64 kg

Item 036650 (230V 50Hz 1~)  
Item 036660 (400V 50Hz 3~)

### TURBO HP tre 2V WITHOUT BOX, WITH HYDROCYCLONE ISO 18

Item 036620 (230V 50Hz 1~)  
Item 036625 (400V 50Hz 3~)



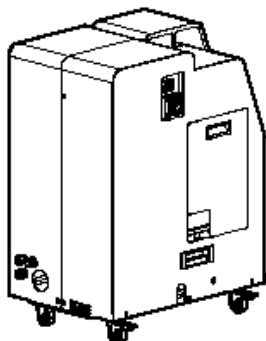
### TURBO HP tre 2V WITH BOX

As for technical specifications, refer to item 036600.  
Sound pressure level with canalized air 62.4 dB (A)  
W= 620 mm D= 419 mm H= 791 mm  
Net Weight= 75 kg Gross Weight= 86 kg

Item 036670 (230V 50Hz 1~)  
Item 036675 (400V 50Hz 3~)

### TURBO HP tre 2V WITH BOX AND HYDROCYCLONE ISO 18

Item 036630 (230V 50Hz 1~)  
Item 036635 (400V 50Hz 3~)



### TURBO HP tre 2V WITH NOISE-REDUCING BOX

As for technical specifications, refer to item 036600.  
Sound pressure level with canalized air 61.3 dB (A)  
W= 620 mm D= 419 mm H=791 mm  
Net Weight= 87 kg Gross Weight= 98 kg

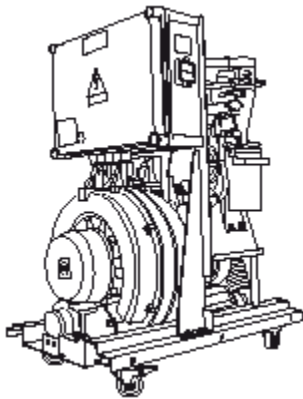
Item 036680 (230V 50Hz 1~)  
Item 036685 (400V 50Hz 3~)

### TURBO HP tre 2V WITH NOISE-REDUCING BOX AND HYDROCYCLONE ISO 18

## TURBO HP quattro 2V (replacing Turbo-Flux 2V modular)

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Item 036700 (400V 50Hz 3~)



### TURBO HP quattro 2V WITHOUT BOX

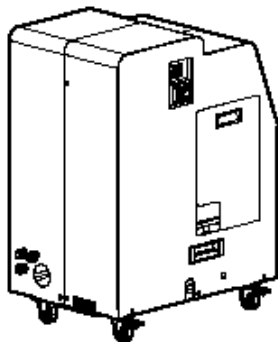
Output power three-phase 2.4 kW - 11.8/8 A, maximum flow 2150 l/m.  
Maximum operating head for continuous service 2350 mm H<sub>2</sub>O.  
Fitted with thermal switch and valve for the installation in parallel.  
Suggested for 4 surgeries.  
Sound pressure level with canalized air 72.6 dB (A)  
W= 590 mm D= 419 mm H= 771 mm  
Net Weight= 63 kg Gross Weight= 74 kg

Item 036750 (400V 50Hz 3~)

### TURBO HP quattro 2V WITHOUT BOX, WITH HYDROCYCLONE ISO 18

Item 036725 (400V 50Hz 3~)

### TURBO HP quattro 2V WITH BOX



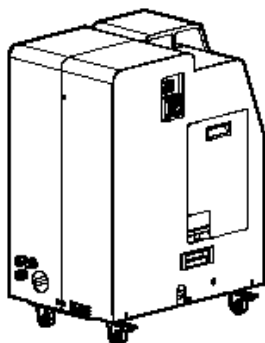
As for technical specifications, refer to item 036700.  
Sound pressure level with canalized air 65.5 dB (A)  
W= 620 mm D= 419 mm H= 791 mm  
Net Weight= 81 kg Gross Weight= 92 kg

Item 036775 (400V 50Hz 3~)

### TURBO HP quattro 2V WITH BOX AND HYDROCYCLONE ISO 18

Item 036735 (400V 50Hz 3~)

### TURBO HP quattro 2V WITH NOISE-REDUCING BOX



As for technical specifications, refer to item 036700.  
Sound pressure level with canalized air 61.6 dB (A)  
W= 620 mm D= 419 mm H= 791 mm  
Net Weight= 89 kg Gross Weight= 100 kg

Item 036785 (400V 50Hz 3~)

### TURBO HP quattro 2V WITH NOISE-REDUCING BOX AND HYDROCYCLONE ISO 18

#### NOTE

The reason why we have replaced the previous Turbo-Tecno / Turbo-Flux, etc. and we are going to replace the Turbo-Jet 2 as well with the new Turbo HP range, is that these new models can offer better performance and have smaller dimensions.





## Accessories for TURBO HP

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Item 036010                      BOX for TURBO HP tre and TURBO HP quattro

Item 036020                      BOX for TURBO HP tre 2V and TURBO HP quattro 2V

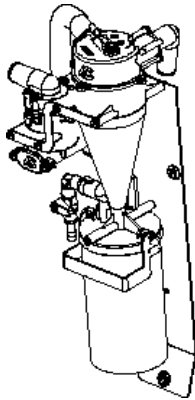
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Item 036015                      NOISE-REDUCING BOX for TURBO HP tre and TURBO HP quattro

Item 036025                      NOISE-REDUCING BOX for TURBO HP tre 2V and TURBO HP quattro 2V

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Item 043380                      HYDROCICLONE ISO 18 FOR TURBO HP

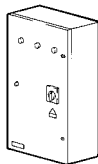


Components: 1 Hydrocyclone, fixing plates, re-circulation hoses.  
TUV tested, according to ISO 11143 standard.

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## Accessories for installation in parallel of Turbo-Jet *modular* and Turbo HP

Item 026800



**ELECTRONIC STARTER FOR 2 MOTORS INSTALLED IN PARALLEL**

W= 300 mm D= 170 mm H= 400 mm

Item 026805

**ELECTRONIC STARTER FOR 3-4 MOTORS INSTALLED IN PARALLEL**

Item 180949



**TWO-WAY PERIPHERAL P.B. UNIT (it senses the hose diameter:  $\varnothing$  16 or  $\varnothing$  11)**

Each tip support has to be fitted with one peripheral P.B. unit which must be placed next to it.

W= 70 mm P= 70 mm H= 22 mm

Item 160662

**NON-RETURN VALVE FOR TURBO-JET 1-2 *modular* WITH BOX**

Item 160669

**NON-RETURN VALVE FOR TURBO-JET 2 *modular* WITHOUT BOX**

### ANTIFREEZE KIT FOR TURBO-JET *modular* WITH BOX AND TURBO HP

Item 160504

**ANTIFREEZE KIT FOR TURBO-JET 2 *modular***

Item 160503

**ANTIFREEZE KIT FOR TURBO HP**

Insulate both the filter and the draining pipe with suitable (antifreezing) material.

### ANTIFREEZE KIT FOR HYDROCYCLONE FITTED TO TURBO-JET *modular* WITH BOX

Item 160495

**ANTIFREEZE KIT FOR HYDROCYCLONE FITTED TO TURBO-JET 1 *modular* WITH BOX**

Item 160496

**ANTIFREEZE KIT FOR HYDROCYCLONE FITTED TO TURBO-JET 2 *modular* WITH BOX**

Insulate both the filter and the draining pipe with suitable (antifreezing) material.

Item 160562



**SUPPLEMENTARY SILENCER FOR TURBO-JET 1 AND 2 *modular***

Item 160566



**SUPPLEMENTARY SILENCER FOR TURBO HP**

Item 160649



**THERMAL COMPENSATING VALVE FOR TURBO-JET 1 *modular***

Item 160646

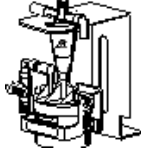
**THERMAL COMPENSATING VALVE FOR TURBO-JET 2 *modular***

- Sound pressure level tested with canalized air according to ISO regulation 3746 -1979 (E). Parameters: r or d =1.5 - background noise  $\leq$  39 dB (A) - instrument: Brüel & Kjær type 2232.

## ISO Amalgam separators for Turbo-Jet *modular*

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Item 043432



### HYDROCYCLONE (ISO amalgam separator 5.5)

#### Version for Turbo-Jet 1 *modular* without box

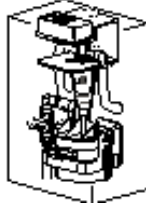
Components: Hydrocyclone, outlet connector with pressure relief valve, fastening bracket.

Tested by TÜV according to ISO 11143 standard.

W= 155 mm D= 110 mm H= 200 mm

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Item 043422



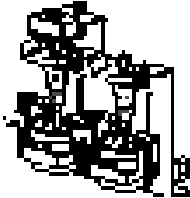
### HYDROCYCLONE (ISO amalgam separator 5.5)

#### Version for Turbo-Jet 1 *modular* with box

W= 150 mm D= 110 mm H= 200 mm

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Item 043632



### HYDROCYCLONE (ISO amalgam separator 5.5)

#### Version for Turbo-Jet 2 *modular* without box

Components: 2 Hydrocyclones, outlet connector with pressure relief valve, fastening bracket.

Tested by TÜV according to ISO 11143 standard.

W= 250 mm D= 100 mm H= 205 mm

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Item 043627



### HYDROCYCLONE (ISO amalgam separator 5.5)

#### Version for Turbo-Jet 2 *modular* with box

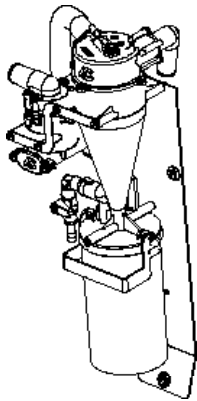
W= 280 mm D= 110 mm H= 205 mm

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## ISO Amalgam separator for Turbo HP

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Item 043380



### HYDROCYCLONE ISO 18

#### Fitting all Turbo HP models

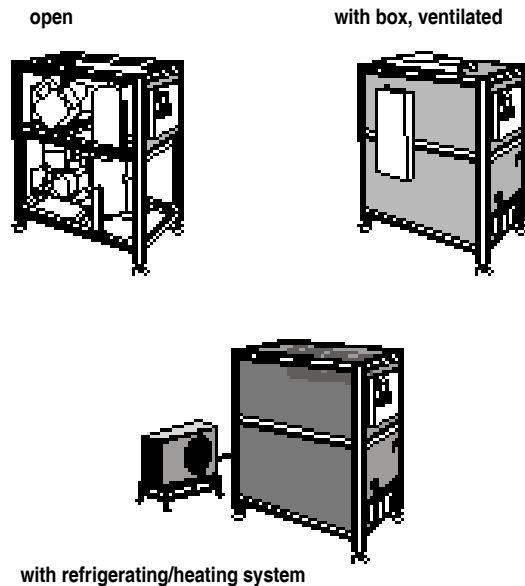
Components: 1 Hydrocyclone, fixing plates, re-circulation hoses.

TÜV tested, according to ISO 11143 standard.

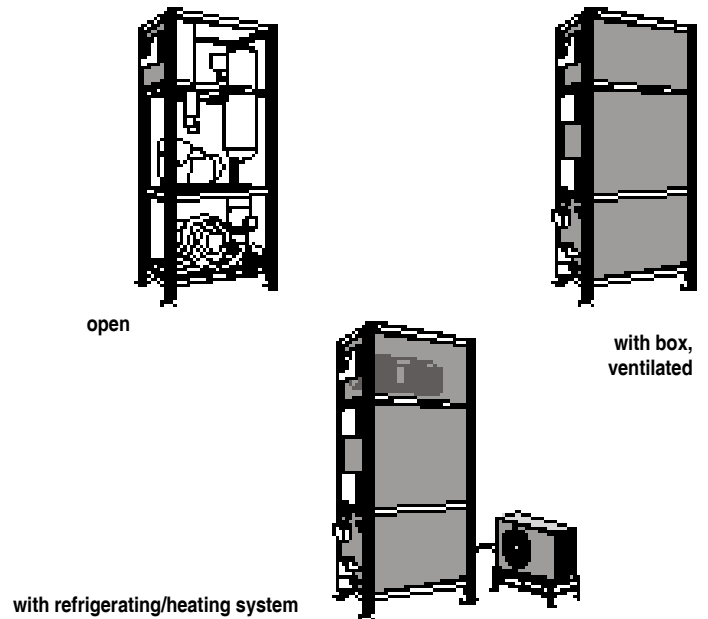
# Blok-Jet

- With BLOK-JET your can rationalize and personalize the plant room. Send us the details and we will design your BLOK-JET.
- Each suction machine can service a variable number of dental units depending on different parameters: diameter and length of the piping, number of bends, brand of the dental unit (requirements concerning aspiration can vary), therefore the number of dental units we suggest should not be considered as binding.
- The prices here below are approximate, they can vary depending on dimensions of the Blok-Jet and the model of the machines installed inside it.
- The box does not eliminate vibrations completely but it reduces them.

## HORIZONTAL BLOK-JET



## VERTICAL BLOK-JET



Item No	Description	Tension V / Hz	Suggested no. of surgeries	Dimensions (mm) W x D x H	Price
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### VERTICAL VENTILATED BLOK-JET WITH BOX

Item 070648	Version with: no.1 ONE-CYLINDER COMPRESSOR HEAD and no.1 TURBO-JET 1 modular	230/50	1	640 x 610 x 1580	
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Item 070674	Version with: no.1 TWO-CYLINDER COMPRESSOR HEAD and no.1 TURBO-SMART "A" with HYDROCYCLONE ISO 18	230/50	2	700 x 840 x 2100	
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Item 070675	Version with: no.1 THREE-CYLINDER COMPRESSOR HEAD and no.1 TURBO-SMART "B" with PASSWORD* and HYDROCYCLONE ISO 18	400/50	4	700 x 840 x 2100	
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Item 070676	Version with: no.2 THREE-CYLINDER COMPRESSOR HEADS and no.2 TURBO-SMART "B" with PASSWORD* and HYDROCYCLONE ISO 18	400/50	6/8	870 x 1650 x 1900	
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### BLOK-JET WITH NOISE-REDUCING BOX AND REFRIGERATING/HEATING SYSTEM

Item 073676	Version with: no.2 THREE-CYLINDER COMPRESSOR HEADS and no.2 TURBO-SMART "B" with PASSWORD* and HYDROCYCLONE ISO 18	400/50	6/8	1600 x 800 x 1950	
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\* The password must be ordered separately. Its price is not included in the Blok-Jet price.

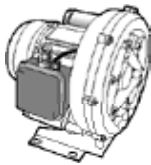


# Centralized dry and semi-wet aspiration systems

- Our aspiration units are manufactured according to C.E.I. - EN - 60034 regulations - 1 V edition of 2000 - 10, with F insulation class and IP 54 protection; they are suitable for continuous service. Any voltage and frequency is available on request.
- Electrical control panels are produced according to C.E.I. 17-13/1 (1990), (EN 60 439-1); they are fitted with low tension control cables.
- Control panels designed for two or more aspiration units are fitted with an electronic device to start/stop one or more motors automatically according to aspiration need.
- The connecting device for the electronic circuit of all electronic control panels (i.e. all control panels marked by a final E, like C 75/1E, C75/E etc.) must be completed with a peripheral P.B. unit to be placed next to the tip support.
- Upon request, control panels can be fitted with extra functions such as: hour-meter, warning light control, warning light/beeper for unintentional stop, tension checking, manual/automatic selector, etc.
- **Two-fan aspiration units warm up proportionally to operating head value. If operating head gets above 1500 mm H<sub>2</sub>O, the room must be adequately ventilated or conditioned; the installation of a thermal compensating valve (supplied separately) is always recommended.**
- **Each suction machine can service a variable number of dental units depending on different parameters: diameter and length of the piping, number of bends, brand of the dental unit (requirements concerning aspiration can vary), therefore the number of dental units we suggest should not be considered as binding.**

## ASPIRATION UNITS

Item 020322  
(230V 50Hz 1~)



### UNI-JET 75 ASPIRATION UNIT

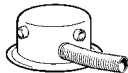
The motor is protected by a thermal device.  
Single-phase output power 0.4 kW - 3.1 A, maximum flow 1250 l/min, maximum operating head for continuous service 1300 mm H<sub>2</sub>O.  
Single-surgery use.  
Sound pressure level with canalized air 62 dB (A).  
W= 246 mm D= 231.5 mm H= 251 mm  
Net Weight= 10 kg Gross Weight= 12 kg

Item 160562



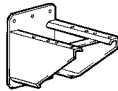
### SUPPLEMENTARY SILENCER FOR EXHAUSTED AIR

Item 020240



### ACCESSORIES FOR UNI-JET 75

Item 044500



### BRACKET FOR UNI-JET 75

For wall-mounting of Uni-Jet 75.

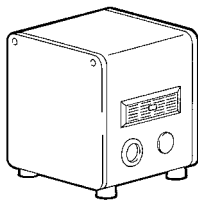
Item 020270  
(230V 50Hz 1~)



### MINI CONTROL PANEL

For one single-phase Uni-Jet 75.

Item 020274  
(230V 50Hz 1~)



### UNI-JET 75 WITH BOX

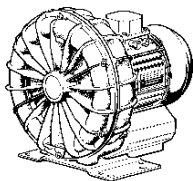
Without control panel.  
Sound pressure level with canalized air 58 dB (A).  
W= 315 mm D= 280 mm H= 330 mm  
Net Weight= 17 kg Gross Weight= 20 kg

Item 020276  
(230V 50Hz 1~)

### UNI-JET 75 WITH BOX AND INTERNAL CONTROL PANEL

Item 020590

(230V 50Hz 1~)  
Item 020600  
(230/400V 50Hz 3~)



### TECNO-JET ASPIRATION UNIT

Single-phase output power 0.75 kW - 5.5 A, three-phase output power 0.75 kW - 3.4/1.95 A, maximum flow 2000 l/min, maximum operating head for continuous service 1400 mm H<sub>2</sub>O.  
Suggested for 3 dental units working at the same time.  
Sound pressure level with canalized air 68 dB (A)  
W= 302,5 mm D= 302 mm H= 319 mm  
Net Weight= 18 kg Gross Weight= 21 kg

Item 160563

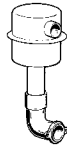


### SUPPLEMENTARY SILENCER FOR EXHAUSTED AIR

- Sound pressure level tested according to ISO regulation 3746 -1979 (E).  
Parameters: r or d =1.5 - background noise ≤ 51 dB (A) - instrument: Brüel & Kjær type 2232.



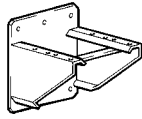
Item 020611



**ACCESSORIES FOR TECNO-JET**

With one-way valve and compensating valve.

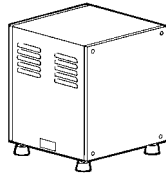
Item 044200



**BRACKET FOR TECNO-JET**

For wall-mounting of Tecno-Jet.

Item 020601  
(230V 50Hz 1-)  
Item 020606  
(230/400V 50Hz 3-)



**TECNO-JET WITH BOX**

Sound pressure level with canalized air 60 dB (A).  
W= 390 mm D= 345 mm H= 410 mm

Item 020615  
(230V 50Hz 1-)

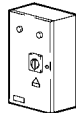
**TECNO-JET WITH BOX AND ELECTRICAL CONTROL PANEL**

Item 160639



**THERMAL COMPENSATING VALVE FOR TECNO-JET ASPIRATION UNIT**

Item 020630-020640



**CONTROL PANELS C93/1 - C93**

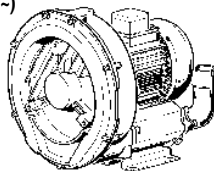
For one Tecno-Jet single - or three-phase respectively.  
W= 300 mm D= 170 mm H= 400 mm

Item 023200-023240

**CONTROL PANELS C94/1E - C94/E ELECTRONIC VERSION**

For 2 Tecno-Jet units single - or three-phase respectively.  
W= 400 mm D=220 mm H= 580 mm

Item 020701  
(230V 50Hz 1-)  
Item 020702  
(230/400V 50Hz 3-)

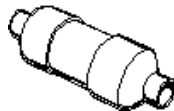


**FLUX-JET ASPIRATION UNIT**

Output power single-phase 1.1 kW - 7.6 A, three-phase 1.5 kW - 6.4/3.7A,  
maximum flow 3300 l/min, maximum operating head for continuous service  
1500 mm H<sub>2</sub>O.

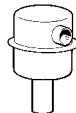
Suggested for 4 surgeries working at the same time.  
Sound pressure level with canalized air 68.5 dB (A).  
W= 334 mm D= 405 mm H= 341 mm  
Net Weight= 22 kg Gross Weight= 25 kg

Item 160564



**SUPPLEMENTARY SILENCER FOR EXHAUSTED AIR**

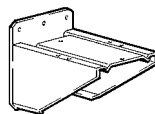
Item 020831  
Item 020832



**ACCESSORIES FOR FLUX-JET 1.1 kW  
ACCESSORIES FOR FLUX-JET 1.5 kW**

With one-way valve and compensating valve.

Item 044300



**BRACKET FOR FLUX-JET**

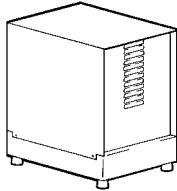
For wall-mounting of Flux-Jet.

- Sound pressure level tested according to ISO regulation 3746 -1979 (E).  
Parameters: r or d =1.5 - background noise ≤ 51 dB (A) - instrument: Brüel & Kjær type 2232

**Note:** Antibacterial filters at page 43 and 44.



Item 020825  
(230V 50Hz 1~)  
Item 020826  
(230/400V 50Hz 3~)



### FLUX-JET WITH BOX

Sound pressure level with canalized air 63 dB (A).  
W= 520 mm D= 430 mm H= 510 mm

Item 020824  
(230V 50Hz 1~)

### FLUX-JET WITH BOX AND ELECTRICAL CONTROL PANEL

Item 160640



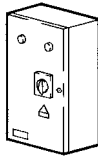
### THERMAL COMPENSATING VALVE FOR FLUX-JET ASPIRATION UNIT

Item 020850-020860

### CONTROL PANELS C73 - C74

For one Flux-Jet unit single - or three-phase respectively.  
W= 300 mm D= 170 mm H= 400 mm

Item 023300-023310



### CONTROL PANELS C75/1E - C75/E ELECTRONIC VERSION

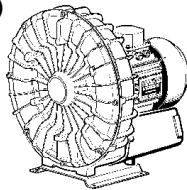
For 2 Flux-Jet units single - or three-phase respectively.  
W= 400 mm D= 220 mm H= 580 mm

Item 023340-023350

### CONTROL PANELS C77/1E - C77/E ELECTRONIC VERSION

For 3 Flux-Jet units single - or three-phase respectively.  
W= 550 mm D= 250 mm H= 700 mm

Item 021030  
(230/400V 50Hz 3~)



### MEDIO-JET ASPIRATION UNIT

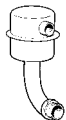
Output power three-phase 2.2 kW - 9/5.2 A, maximum flow 5000 l/min,  
maximum operating head for continuous service 1750 mm H<sub>2</sub>O.  
Suggested for 7 surgeries working at the same time.  
Sound pressure level with canalized air 76 dB (A).  
W= 395 mm D= 332 mm H= 415 mm

Item 160565



### SUPPLEMENTARY SILENCER FOR EXHAUSTED AIR

Item 021040



### ACCESSORIES FOR MEDIO-JET

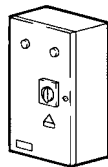
With one-way valve and compensating valve.

Item 021050

### CONTROL PANEL C58

For 1 three-phase Medio-Jet unit.  
W= 300 mm D= 170 mm H= 400 mm

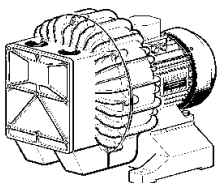
Item 023400



### CONTROL PANEL C59/E ELECTRONIC VERSION

For 2 three-phase Medio-Jet units.  
W= 400 mm D= 220 mm H= 580 mm

Item 021090  
(230/400V  
50Hz 3~)



### MAXI-JET 2S ASPIRATION UNIT

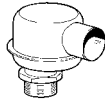
Output power three-phase 4 kW - 15.6/9 A, maximum flow 8333 l/min,  
maximum operating head for continuous service 1700 mm/H<sub>2</sub>O.  
Suggested for 12 surgeries working at the same time.  
Sound pressure level with canalized air 76.5 dB (A).  
W= 566 mm D= 422 mm H= 443 mm

- Sound pressure level tested according to ISO regulation 3746 -1979 (E).  
Parameters: r or d =1.5 - background noise ≤ 51 dB (A) - instrument: Brüel & Kjær type 2232.

**Note:** Antibacterial filters at page 43 and 44.



Item 021100



**ACCESSORIES FOR MAXI-JET 2S**

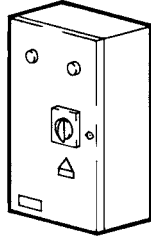
With one-way valve and compensating valve.

Item 021110

**CONTROL PANEL C82**

For 1 three-phase Maxi-Jet 2S unit.  
W= 300 mm D= 170 mm H= 400 mm

Item 023450



**CONTROL PANEL C83/E ELECTRONIC VERSION**

For 2 three-phase Maxi-Jet 2S units.  
W= 400 mm D= 220 mm H= 580 mm

Item 023460

**CONTROL PANEL C84/E ELECTRONIC VERSION**

For 3 three-phase Maxi-Jet 2S units.  
W= 550 mm D= 250 mm H= 700 mm

Item 023470

**CONTROL PANEL C85/E ELECTRONIC VERSION**

For 4 three-phase Maxi-Jet 2S units.  
W= 550 mm D= 250 mm H= 700 mm

Item 180949

**TWO-WAY PERIPHERAL P.B. UNIT (senses the hose diameter: Ø 16 or Ø 11)**

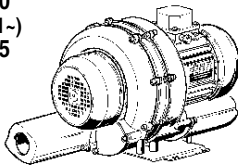


The peripheral P.B. unit is required only with electronic control panels (those marked by a final E, like C75/1E, C75/E etc.).  
Each tip support has to be fitted with one peripheral P.B. unit which must be placed next to it.  
W= 70 mm D= 70 mm H= 22 mm

**DOUBLE-FAN ASPIRATION UNITS 2V**

Double-fan aspiration units warm up proportionally to operating head value. If operating head gets above 1500 mm H<sub>2</sub>O, the room must be adequately ventilated or conditioned.

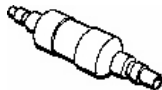
Item 020370  
(230V 50Hz 1~)  
Item 020375  
(230/400V  
50Hz 3~)



**UNI-JET 75 2V ASPIRATION UNIT**

Output power single-phase 0.70 kW - 5.2 A, three-phase 0.75 kW - 3.4/1.95 A.  
Maximum flow 1330 l/min. Maximum operating head for continuous service 2850 mm H<sub>2</sub>O.  
Suggested for single-surgery use.  
Sound pressure level with canalized air 64 dB (A).  
W= 246 mm D= 491 mm H= 251 mm  
Net Weight= 13 kg Gross Weight= 15 kg

Item 160562



**SUPPLEMENTARY SILENCER FOR EXHAUSTED AIR**

Item 191287



**SILENCER FOR UNI-JET 75 2V**

Item 020248



**ACCESSORIES FOR UNI-JET 75 2V**

With one-way valve.

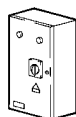
Item 020386  
(230V 50Hz 1~)  
Item 020388  
(230/400V 50Hz 3~)



**UNI-JET 75 2V WITH BOX**

Without control panel.  
Sound pressure level with canalized air 61.3 dB (A).  
W= 520 mm D= 350 mm H= 320 mm  
Net Weight= 25 kg Gross Weight= 33 kg

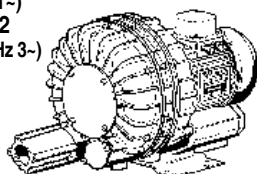
Item 020630-020640



**CONTROL PANELS C93/1 - C93**

For one Uni-Jet 75 2V single - or three-phase respectively.  
W= 300 mm D= 170 mm H= 400 mm

Item 020921  
(230V 50Hz 1~)  
Item 020922  
(230/400V 50Hz 3~)



**TECNO-JET 2V ASPIRATION UNIT**

Output power single-phase 1.1 kW - 7.5 A, three-phase 1.5 kW - 6/3.5 A.  
Maximum flow 2170 l/min. Maximum operating head for continuous service single-phase 2000 mm H<sub>2</sub>O, three-phase 2350 mm H<sub>2</sub>O.  
Suggested for 2 surgeries working at the same time.  
Sound pressure level with canalized air 65 dB (A).  
W= 303 mm D= 543 mm H= 319 mm



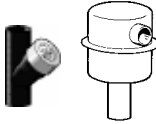


Item 160563



**SUPPLEMENTARY SILENCER FOR EXHAUSTED AIR**

Item 020621  
Item 020613



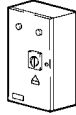
**ACCESSORIES FOR TECNO-JET 2V 1.1 kW  
ACCESSORIES FOR TECNO-JET 2V 1.5 kW**

With one-way valve and thermal compensating valve.

Item 020850-020860

**CONTROL PANELS C73 - C74**

For one Tecno-Jet 2V unit single- or three-phase respectively.  
W= 300 mm D= 170 mm H= 400 mm



Item 023300-023310

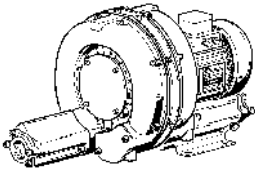
**CONTROL PANELS C75/1E - C75/E ELECTRONIC VERSION**

For 2 Tecno-Jet 2V units single- or three-phase respectively.  
W= 400 mm D= 220 mm H= 580 mm

Item 020715

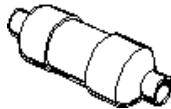
(230/400V 50Hz 3~)

**FLUX-JET 2V ASPIRATION UNIT**



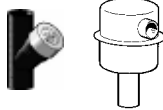
Output power three-phase 2.2 kW - 9/5.2 A.  
Maximum flow 3330 l/min. Maximum operating head for continuous service  
2350 mm H<sub>2</sub>O. Suggested for 4 surgeries working at the same time.  
Sound pressure level with canalized air 72 dB (A).  
W= 334 mm D= 575 mm H= 341 mm

Item 160564



**SUPPLEMENTARY SILENCER FOR EXHAUSTED AIR**

Item 020837



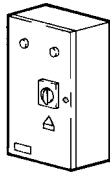
**ACCESSORIES FOR FLUX-JET 2V**

With one-way valve and thermal compensating valve.

Item 021050

**CONTROL PANEL C58**

For no.1 Flux-Jet 2V three-phase.  
W= 300 mm D= 170 mm H= 400 mm



Item 023400

**CONTROL PANEL C59/E ELECTRONIC VERSION**

For 2 three-phase Flux-Jet 2V units.  
W= 400 mm D= 220 mm H= 580 mm

Item 023410

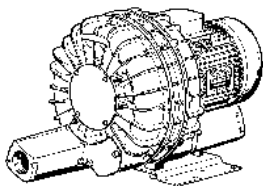
**CONTROL PANEL C60/E ELECTRONIC VERSION**

For 3 three-phase Flux-Jet 2V units.  
W= 550 mm D= 250 mm H= 700 mm

Item 020930

(230/400V 50Hz 3~)

**MEDIO-JET 2V ASPIRATION UNIT**



Output power three-phase 4 kW - 15.6/9 A.  
Maximum flow 4830 l/min. Maximum operating head for continuous service  
2450 mm H<sub>2</sub>O. Suggested for 7 surgeries working at the same time.  
Sound pressure level with canalized air 77 dB (A).  
W= 395 mm D= 705 mm H= 415 mm

- Units installed in parallel must be fitted with a silencer with one-way valve.
- Note 1** In case our standard products cannot meet the necessary requirements, we are willing to design special personalized solutions.
- Sound pressure level tested according to ISO regulation 3746 -1979 (E).  
Parameters: r or d =1.5 - background noise ≤ 51 dB (A) - instrument: Brüel & Kjær type 2232.
- Note 2** Antibacterial filters at page 43 and 44 are available on request.

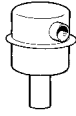


Item 160565



**SUPPLEMENTARY SILENCER FOR EXHAUSTED AIR**

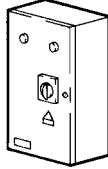
Item 021045



**ACCESSORIES FOR MEDIO-JET 2V**

With one-way valve and thermostatic compensating valve.

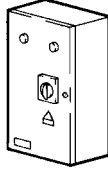
Item 021110



**CONTROL PANEL C82**

For one Medio-Jet 2V unit.  
W= 300 mm D= 170 mm H= 400 mm

Item 023450



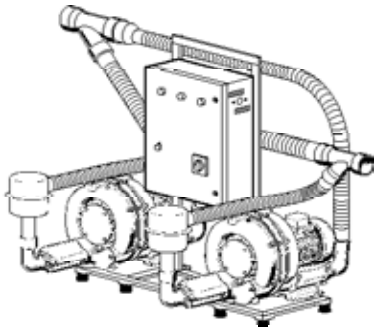
**CONTROL PANEL C83/E ELECTRONIC VERSION**

For two three-phase Medio-Jet 2V units.  
W= 400 mm D= 220 mm H= 580 mm

Item 020835

**2 FLUX-JET 2V + FRAME + C59/E CONTROL PANEL**

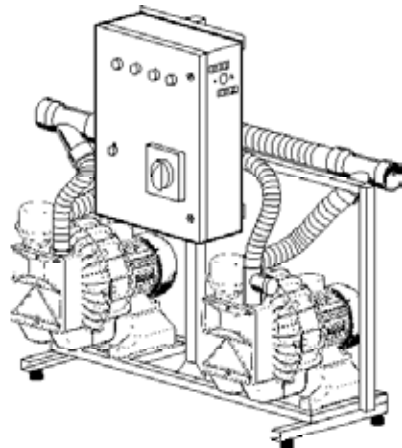
W= 1200 mm D= 950 mm H= 1050 mm



Item 020836  
(230/400V 50Hz 3~)

**2 MAXI-JET 2S + FRAME + C83/E CONTROL PANEL**

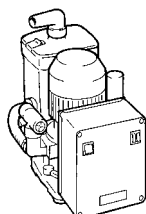
W= 1180 mm D= 580 mm H= 1470 mm



## Wet centralized plants

- Wet-ring pump motors are manufactured according to C.E.I. - EN - 60034 - 1 V edition of 2000 - 10 regulations. They are F class insulated, with IP 54 protection and meant for continuous service. Any voltage or frequency is available on request. All pumps are supplied with air/water separator, except items 021360-021350.
- Our control panels are produced according to C.E.I. 17-13/1 (1990), (EN 60 439-1) regulations. They are fitted with low tension control cables.
- Control panels designed for two or more pumps are fitted with an electronic device to start/stop one or more pumps automatically according to aspiration demand.
- The connecting device for the electronic circuit of all electronic control panels (i.e. all control panels marked by a final E, like C75/1E, C75/E etc.) must be completed with a peripheral P.B. unit to be placed next to the tip support.
- Tip supports and electropneumatic valves, which are necessary in all wet plants, are listed in the dry plants section at pages 11 and 14.
- **Each suction machine can service a variable number of dental units depending on different parameters: diameter and length of the piping, number of bends, brand of the dental unit (requirements concerning aspiration can vary) therefore the number of dental units we suggest should not be considered as binding.**

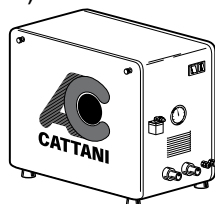
Item 021191  
(230V 50Hz 1~)



### PAL 14 PUMP WITHOUT BOX

The unit is fitted with **electrical control panel and separator**, the motor is protected by a thermal device. Output power single-phase 0.8 kW - 5 A, maximum flow 400 l/min, maximum operating head for continuous service 2700 mm H<sub>2</sub>O. Suggested for 2 surgeries working at the same time with surgical tips or 1 surgery with tip no 17 and the other with a surgical tip. Average water consumption 3 l/min with piping pressure at 4 bar.  
Sound pressure level with canalized air 60 dB (A).  
W= 530 mm D= 320 mm H= 360 mm  
Net Weight= 23 kg Gross Weight= 29 kg

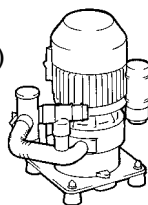
Item 021250  
(230V 50Hz 1~)



### PAL 14 PUMP WITH BOX AND CONTROL PANEL

As for technical specifications, refer to the model without box, item 021191.  
Sound pressure level with canalized air 55 dB (A).  
W= 495 mm D= 312 mm H= 440 mm  
Net Weight= 34 kg Gross Weight= 40 kg

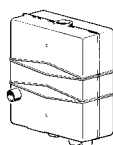
Item 021360  
(230V 50Hz 1~)  
Item 021350  
(230/400V 50Hz 3~)



### PAL 38 PUMP WITHOUT BOX

Output power single-phase 1.3 kW - 9 A, three-phase 1.5 kW - 6.4/3.7 A, maximum flow 833 l/min, maximum operating head for continuous service 3300 mm H<sub>2</sub>O. Suggested for 4 surgeries working at the same time with surgical tips or two surgeries with surgical tips and the other two with tips no.17.  
Average water consumption 6 l/min with piping pressure of 4 bar.  
Sound pressure level with canalized air 68 dB (A).  
W= 360 mm D= 310 mm H= 415 mm  
Net Weight= 27 kg Gross Weight= 33 kg

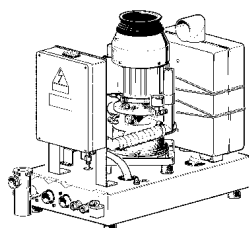
Item 021391 \*



### AIR/WATER SEPARATOR FOR PAL 38

W= 315 mm D= 175 mm H= 400 mm

Item 021422 (230V 50Hz 1~)    Item 021426 (400V 50Hz 3~)



### PAL 38 PUMP WITHOUT BOX, WITH AIR/WATER SEPARATOR AND CONTROL PANEL

As for technical specifications, refer to the models without box, items 021360-021350.  
W= 660 mm D= 390 mm H= 560 mm  
Net Weight= 42 kg Gross Weight= 53 kg

- Sound pressure level tested according to ISO regulation 3746 -1979 (E).  
Parameters: r or d =1.5 - background noise ≤ 34 dB (A) - instrument: Brüel & Kjær type 2232.
- \* Item 021391 is indispensable to complete Items 021360-021350.
- Note:** Antibacterial filters at page 43 and 44.

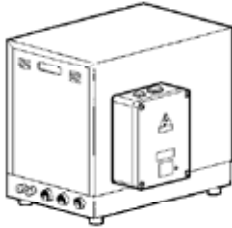
Item 021400    Item 021410  
(230V 50Hz 1~)    (230/400V 50Hz 3~)



### PAL 38 PUMP WITH BOX AND AIR/WATER SEPARATOR

As for technical specifications, refer to the models without box, items 021360-021350.  
Sound pressure level with canalized air 64 dB (A).  
W= 660 mm D= 520 mm H= 560 mm  
Net Weight= 45 kg Gross Weight= 56 kg

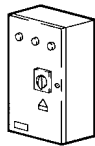
Item 021421    Item 021425  
(230V 50Hz 1~)    (400V 50Hz 3~)



### PAL 38 PUMP WITH BOX, AIR/WATER SEPARATOR AND CONTROL PANEL

As for technical specifications, refer to the models without box, items 021360-021350.  
W= 660 mm D= 520 mm H= 560 mm  
Net Weight= 55 kg Gross Weight= 67 kg

Item 021510-021520



### CONTROL PANELS C78/1- C78

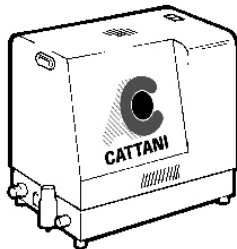
For one PAL 38 unit single - or three-phase respectively.  
W= 300 mm D= 170 mm H= 400 mm

Item 023600-023610

### CONTROL PANELS C79/1E - C79/E ELECTRONIC VERSION

For 2 PAL 38 units single - or three-phase respectively.  
W= 400 mm D= 220 mm H= 580 mm

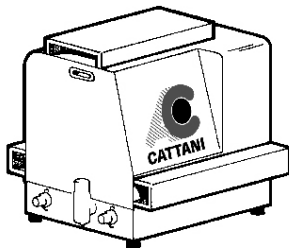
Item 022250  
(230V 50Hz 1~)



### PAL 22 V.E. PUMP WITH BOX

The unit is **fitted with air/water separator and electrical control panel**, the motor is protected by a thermal device. Output power single-phase 0.8 kW - 5 A, maximum flow 400 l/min, maximum operating head for continuous service 2700 mm H<sub>2</sub>O. Suggested for 2 surgeries working at the same time with surgical tips or for 1 surgery with one tip no.17 and one surgical tip. Average water consumption 0.5 l/min. Sound pressure level with canalized air 63 dB (A).  
W= 615 mm D= 460 mm H= 500 mm  
Net Weight= 40 kg Gross Weight= 48 kg

Item 022251  
(230V 50Hz 1~)



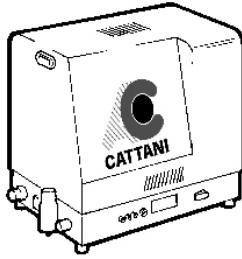
### PAL 22 V.E. PUMP WITH NOISE-REDUCING BOX AND AIR/WATER SEPARATOR

Performance is the same as the one of PAL 22, item 022250.  
Sound pressure level with canalized air 56 dB (A).  
W= 615 mm D= 535 mm H= 575 mm  
Net Weight= 45 kg Gross Weight= 55 kg

• Sound pressure level tested according to ISO regulation 3746 -1979 (E).  
Parameters: r or d =1.5 - background noise ≤ 34 dB (A) - instrument: Brüel & Kjær type 2232.  
**Note:** Antibacterial filters at page 43 and 44.



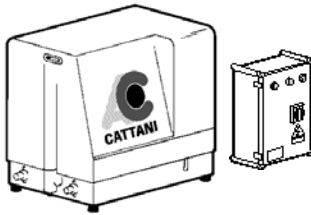
Item 022502  
(230V 50Hz 1~)  
Item 022506  
(230/400V 50Hz 3~)



#### PAL 50 V.E. PUMP WITH BOX AND AIR/WATER SEPARATOR

Output power single-phase 1.3 kW - 9 A, three-phase 1.5 kW - 6.4/3.7 A, maximum flow 833 l/min, maximum operating head for continuous service 3300 mm H<sub>2</sub>O. Suggested for 4 surgeries working at the same time with surgical tips or 2 surgeries with tips no 17 and the other two with surgical tips. Average water consumption 1.1 l/min. Sound pressure level with canalized air 69 dB (A). W= 690 mm D= 455 mm H= 575 mm Net Weight= 49 kg Gross Weight= 60 kg

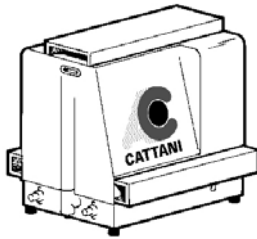
Item 022511  
(230V 50Hz 1~)  
Item 022516  
(400V 50Hz 3~)



#### PAL 50 V.E. PUMP WITH BOX, AIR/WATER SEPARATOR AND CONTROL PANEL

As for technical specifications, refer to item 022502. Sound pressure level with canalized air 69 dB (A). W= 690 mm D= 575 mm H=640 mm Net Weight= 59 kg Gross Weight= 71 kg

Item 022503  
(230V 50Hz 1~)  
Item 022507  
(230/400V 50Hz 3~)



#### PAL 50 V.E. PUMP WITH NOISE-REDUCING BOX AND AIR/WATER SEPARATOR

Performance is the same as the one of PAL 50, item 022502. Sound pressure level with canalized air 62 dB (A). W= 690 mm D= 535 mm H= 640 mm Net Weight= 54 kg Gross Weight= 64 kg

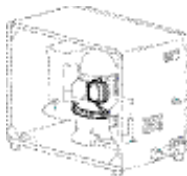
Item 160560



#### SUPPLEMENTARY SILENCER FOR EXHAUSTED AIR

For all pumps PAL 22 and 50 V.E.

Item 160508



#### ANTIFREEZE DEVICE FOR PAL 14

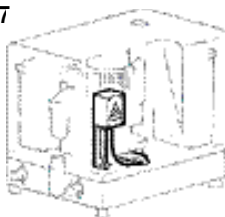
Item 160509

#### ANTIFREEZE DEVICE FOR PAL 38

Item 160506

#### ANTIFREEZE DEVICE FOR PAL 22

Item 160507



#### ANTIFREEZE DEVICE FOR PAL 50

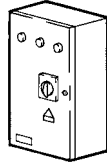
• Sound pressure level tested according to ISO regulation 3746 -1979 (E).  
Parameters: r or d=1.5 - background noise ≤ 34 dB (A) - instrument: Brüel & Kjær type 2232.



Item 022610-022600

**CONTROL PANELS C501/1 - C501**

For one PAL 50 V.E. unit single- or three-phase respectively.  
W= 300 mm D= 170 mm H= 400 mm



Item 023500-023510

**CONTROL PANELS C502/1E - C502/E ELECTRONIC VERSION**

For 2 PAL 50 V.E. units single- or three-phase respectively.  
W= 400 mm D= 220 mm H= 580 mm

Item 023520-023540

**CONTROL PANELS C503/1E - C503/E ELECTRONIC VERSION**

For 3 PAL 50 V.E. units single- or three-phase respectively.  
W= 550 mm D= 250 mm H= 700 mm

Item 023550-023560

**CONTROL PANELS C504/1E-C504/E ELECTRONIC VERSION**

For 4 PAL 50 V.E. units single- or three-phase respectively.  
W= 550 mm D= 250 mm H= 700 mm

Item 180949

**TWO-WAY PERIPHERAL P.B. UNIT (senses the hose diameter: Ø 16 or Ø 11)**

The peripheral P.B. unit is required only with electronic control panels (those marked by a final E, like C75/1E, C75/E etc.). Each tip support has to be fitted with one peripheral P.B. unit which must be placed next to it.  
W= 70 mm P= 70 mm H= 22 mm



Item 040030

(for manual tip support)

Item 040035

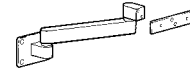
(for mechanical tip support)

Item 040020

(for pneumatic tip support)

**1-SEGMENT ARM**

For tip support.  
min. W= 50 mm max. W= 270 mm + tip support.



Item 040050

(for manual tip support)

Item 040055

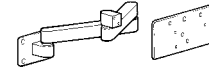
(for mechanical tip support)

Item 040040

(for pneumatic tip support)

**2-SEGMENT ARM**

For tip support.  
min. W= 50 mm max. W= 470 mm + tip support.



Item 040043

(for mechanical tip support)

Item 040042

(for pneumatic tip support)

**3-SEGMENT ARM**

For tip support.  
min. W= 50 mm max. W= 680 mm + tip support.



Item 240807

**ONE-WAY VALVE FOR PUMPS INSTALLED IN PARALLEL**



**NOTE:** Pumps PAL 38 and PAL 50 V.E. cannot be installed in parallel without the one-way valve (item 240807).



# ISO Amalgam separators for PAL wet-ring pumps

Item 043476



## HYDROCYCLONE (ISO AMALGAM SEPARATOR 5.5)

**With electronic amalgam level control. Version for PAL 14 and 22 V.E.**  
Components: centrifuge, 1 Hydrocyclone, pressure relief valve, control panel.  
Tested by TÜV, according to ISO 11143 standard .  
W=320 mm D= 400 mm H= 360 mm

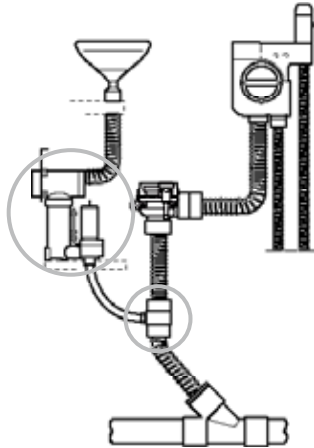
Item 043532



## HYDROCYCLONE IS 18 (ISO AMALGAM SEPARATOR)

**With electronic amalgam level control. Version for PAL 38 and 50 V.E.**  
Components: centrifuge, 1 Hydrocyclone, pressure relief valves, control panel.  
Tested by TÜV, according to ISO 11143 standard .  
W= 470 mm D= 400 mm H= 360 mm

Item 021960









## SPITTOON DRAINING FILTER UNIT

The spittoon draining unit must be fitted to the dental units in case the amalgam separator is installed in a separate plant room.  
Components: spittoon filter, electrovalve with magnet, branching tube for spittoon draining unit, aspiration pipe and printed board.

**(Pneumatic tip support and electropneumatic valve not included)**

# MAGNOLIA PRODUCTS

## CHEMICALS FOR HYGIENE OF DENTAL SURGERIES






Product	Application field	Range of action	Certificates and standards	Code	Price
<b>PULI -JET CLASSIC</b> 	<b>Space saving size</b>  <b>4-bottle pack x 5 litres / bottle of concentrate to be diluted at 5%</b>  Sanitizing detergent for aspirator cleaning	Detergent Odour repellent  Sanitizing: bactericide, let it work for one night (or at least for 1 hour)		<i>Item 040715</i>	
<b>PULI -JET plus</b> 	<b>4-bottle pack x 1 litre / bottle of concentrate to be diluted at 0,8% (disinfectant action) or at 0,4% (sanitizing action)</b>  Concentrated disinfecting detergent for aspirators	Detergent Odour repellent Disinfectant: bactericide, fungicide, virucide, tuberculicide, let it work for one night (or at least for 1 hour)	<b>CE 0434</b>  pr EN 13727 pr EN 13624 CEN/TC 216 N 270 pr EN 14348	<i>Item 040750</i>	
<b>DISINFECTANT ANTIFOAM TABLETS</b> 	<b>10-box pack – 50 tablets / box</b>  Disinfectant antifoam tablets for dental aspirators	Day-lasting antifoam action  Disinfectant: bactericide, candidicide	<b>CE 0434</b>  pr EN 13727 pr EN 13624	<i>Item 040826</i>	
<b>SANITIZING ANTIFOAM TABLETS</b> 	<b>10-box pack – 50 tablets / box</b>  Sanitizing antifoam tablets for dental aspirators	Day-lasting antifoam action  Sanitizing bactericide action		<i>Item 040786</i>	
<b>ECO-JET 1 Spray</b> 	<b>4-piece pack x 500 ml / piece</b>  Surface high-level disinfecting detergent.	Detergent  Disinfectant: - bactericide (proven effective within less than 5 minutes)	<b>CE 0434</b>  pr EN 13713 UNI EN 13697 EN 1276	<i>Item 040745</i>	
<b>ECO-JET 1 Tissue</b> 	<b>6-piece pack – 100 wipes / piece</b>  Detergent high-level disinfecting wet wipes for small surfaces and objects.	- fungicide (proven effective within less than 15 minutes) - tuberculicide (proven effective within less than 5 minutes) - virucide (proven effective within less than 60 minutes)	UNI EN 13697 UNI EN 1650  pr EN 14348  CEN/TC 216 N 270	<i>Item 040742</i>	





# MAGNOLIA PRODUCTS

## CHEMICALS FOR HYGIENE OF DENTAL SURGERIES

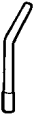






Product	Application field	Range of action	Certificates and standards	Code	Price
<p><b>ECO-JET 2</b></p> 	<p><b>4-bottle pack x 1 litre concentrate / bottle to be diluted at 1.5% or at 3% for use.</b></p> <p>High-level concentrated disinfectant for the initial cleansing treatment after use of surgical instruments before sterilization. It is compatible with all metals and plastics.</p>	<p>Dilution at 1.5%: disinfectant action within 1 hour.</p> <p>Dilution at 3%: bactericide action within less than 5 minutes,</p> <p>fungicide action within less than 10 minutes,</p> <p>tuberculicide action within less than 5 minutes,</p> <p>virucide action within less than 5 minutes.</p>	<p><b>CE 0434</b></p> <p>pr EN 13727 pr EN 14561</p> <p>pr EN 13624 pr EN 14562</p> <p>pr EN 14348 pr EN 14563</p> <p>pr EN 14476</p>	<b>Item 040775</b>	
<p><b>AC NET</b></p> 	<p><b>4-bottle pack x 500 ml / bottle</b></p> <p>Spray cleaner for autoclave chambers (ready for use).</p>			<b>Item 040807</b>	
<p><b>LUBRI -JET Spray</b></p> 	<p><b>4-spray can pack x 150 ml / can</b></p> <p>Spray silicone lubricant, non-flammable and ozone friendly propellant.</p>			<b>Item 040737</b>	
<p><b>LUBRI -JET Drop</b></p> 	<p><b>4-phial (with nozzle) pack x 30 ml / phial</b></p> <p>Silicone lubricant for the periodic lubrication of pincers, scissors and other instruments of the dental surgery.</p>			<b>Item 040727</b>	
<p><b>Protective HAND CREAM</b></p> 	<p><b>4 piece pack x 100 ml / piece</b></p> <p>Hand cream for dentistry with allantoin and sea-collagen, it has a softening and moisturizing action</p>			<b>Item 040794</b>	



# Accessories for maintenance

## Consumable items

### Plastic tips (packaging of 3 pieces per type)

						
Item 040230 Surgical tip 9	Item 040240 Surgical tip 10	Item 040255 Spray interceptor 20	Item 040258 Spray interceptor 22	Item 040257 Surgical tip 21	Item 040250 Spray interceptor for wet system 17	Item 040260 Spray interceptor for dry system 11

### Plastic tips (packaging of 51 pieces per type)

Item 040290 Surgical tip 9	Item 040300 Surgical tip 10	Item 040315 Spray interceptor 20	Item 040318 Spray interceptor 22	Item 040317 Surgical tip 21	Item 040310 Spray interceptor for wet system 17	Item 040320 Spray interceptor for dry system 11
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### Plastic tips (packaging of 102 pieces per type) plastic tip €

Item 040360 Surgical tip 9	Item 040370 Surgical tip 10	Item 040345 Spray interceptor 20	Item 040348 Spray interceptor 22	Item 040347 Surgical tip 21	Item 040340 Spray interceptor for wet system 17	Item 040350 Spray interceptor for dry system 11
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Item 040502  
Autoclavable  
spittoon-funnel



Item 040515  
Adapter for  
saliva ejector



Item 040520  
Adapter to fit Ø11 tip  
onto Ø16 terminal



Item 040540-040550  
Manual terminal  
Ø 16 and Ø 11, grey



Item 040641-040631  
Manual terminal type "B"  
Ø 16 and Ø 11, grey



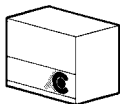
Item 040820  
Tube brush  
for large tips



Item 040810  
Tube brush  
for small tips



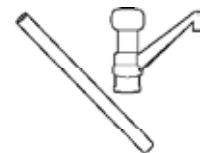
Item 270170  
Cillit water softener salts  
(12 bag packaging)



Item 040720  
Pulse-Cleaner



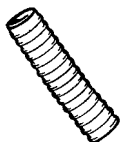
Item 040837  
Puli-Jet dispenser kit



VHR HOSE (minimum quantity 25 m)

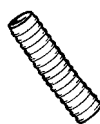
Item 040869, grey

Ø 17.5



Item 040904, grey

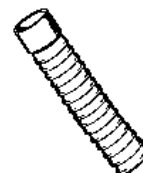
Ø 11



VHR HOSE WITH TURNING ATTACHMENTS

Item 041345, grey

Ø 17.5



Item 041342, grey

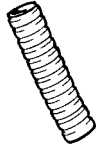
Ø 11



**FLAT COIL HOSE (minimum quantity 25 m)**

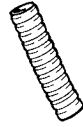
Item 040860, grey

Ø 17.5



Item 040890, grey

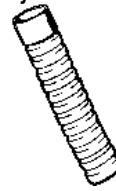
Ø 11



**FLAT COIL HOSE WITH TURNING ATTACHMENTS**

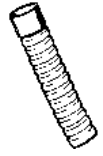
Item 041344, grey

Ø 17.5



Item 041341, grey

Ø 11



**SMOOTH MEDICAL HOSE (minimum quantity 25 m)**

Item 041420, grey

Ø 17.5



Item 041400, grey

Ø 11



**SMOOTH MEDICAL HOSE WITH TURNING ATTACHMENTS**

Item 041339, grey

Ø 17.5



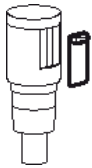
Item 041340, grey

Ø 11

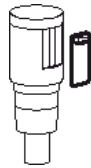


**Spare parts**

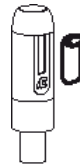
Item 205370  
Tang for terminal "A" Ø11  
50 piece pack



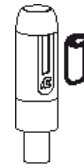
Item 205371  
Tang for terminal "A" Ø16  
50 piece pack



Item 205368  
Tang for terminal "B" Ø11  
50 piece pack



Item 205369  
Tang for terminal "B" Ø16  
50 piece pack



**FILTERS**

Item 045060  
Air filter  
50 piece pack



Item 041070  
Water filter for  
Maxi-canister



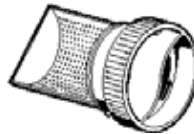
Item 041055  
Water filter for manual  
tip support



Item 201511  
Mechanical tip support  
manifold filter

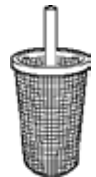


Item 201514  
Spittoon draining filter unit

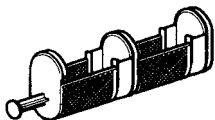


(for spittoon draining unit item 021960)

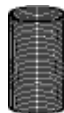
Item 041090  
Net filter for PAL pumps  
and Turbo-Jet modular



Item 201513  
Pneumatic manifold  
stainless steel filter



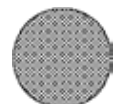
Item 240303  
Stainless steel filter Ø 50  
for Turbo-Jet 3 modular



Item 240306  
Filtro inox Ø 63 for  
Turbo-Flux modular,  
Turbo-Flux 2V modular,  
Turbo-Tecno modular and  
Turbo-Tecno 2V modular



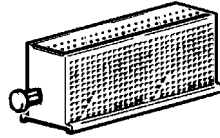
Item 222150  
Net filter for  
Maxi-canister



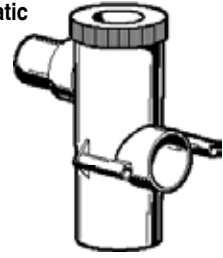
Item 168563  
Compressor  
head/column filter



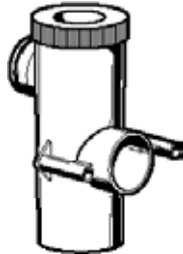
Item 201515  
Pneumatic tip  
support filter



Item 041080  
Electropneumatic  
valve filter



Item 041075  
0040 assembled filter  
for PAL 22/50



Item 041085  
Gold filter for  
stock Ø 40



Item 041086  
Dust filter for  
stock Ø 40



Item 050155  
Gold filter for  
stock Ø 30



Item 222151  
Net filter for  
stock Ø 30



Item 201544  
Secretion filter for  
Turbo-Smart



## Accessories

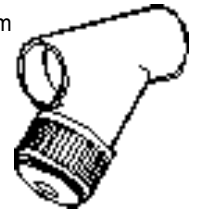
Item 168523  
Balston sterilizing  
filter



Item 041082 Ø 50 Filter  
For Turbo-Tecno *modular*,  
Turbo-Tecno 2V *modular*,  
till April 2003  
(see aspirator label).



Item 041083 Ø 63 Filter  
For Turbo-Flux *modular*  
and Turbo-Flux 2V *modular* from  
May 2003 (see aspirator label),  
also for Turbo-Tecno *modular*  
and Turbo-Tecno 2V *modular*



## Antibacterial filters for air exhausted by the single-surgery aspirators and by the centralized aspiration system

Item 042010

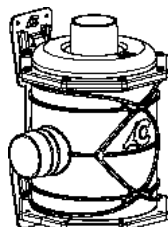


Ø 30 ANTIBACTERIAL FILTER

To filtrate the air exhausted by the aspirators.  
Ø= 137 mm H= 225 mm Flow: up to 70 m<sup>3</sup>/h.  
Suggested for 1-2 dental units.

Different models available on request for higher flow rates.

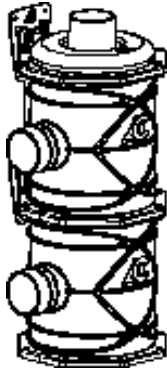
Item 042090



HEPA H14 ANTIBACTERIAL FILTER WITH FIXING BRACKET

Suggested for 4-6 dental units.  
Maximum flow 90 m<sup>3</sup>/h.

Item 042092



**HEPA H14 ANTIBACTERIAL FILTER WITH FIXING BRACKET**

Suggested for 9-12 dental units.  
Maximum flow 188 m<sup>3</sup>/h.

Item 043010



**DISPOSABLE AMALGAM CONTAINER  
(fitted to sedimentation-based amalgam separator)**

Spare container with cover.

Item 043130



**DISPOSABLE AMALGAM CONTAINER FOR ISO HYDROCYCLONE 5.5**

With tight cover.  
Ø= 97 mm H= 54 mm

Item 043135



**DISPOSABLE AMALGAM CONTAINER FOR HYDROCYCLONE ISO 18**

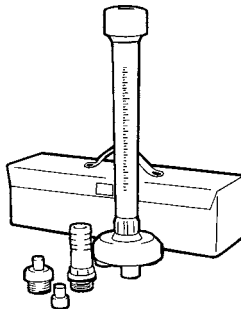
With tight cover.  
Ø= 97 mm H=150 mm

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## Measurement instruments

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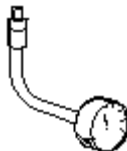
Item 040840



**ASA - CATTANI S.P.A. ASAMETER**

From 2.5 to 25 m<sup>3</sup>/h, with case.  
To check the aspiration flow on terminals.

Item 040842



**VACUUM METER**

Device to check the aspiration operating head on terminals.

Item 040843



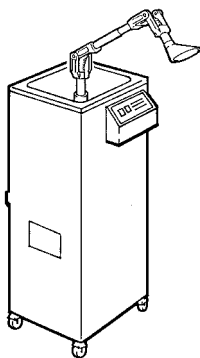
**MIN/MAX THERMOMETER**

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# Dust extraction for dental laboratories

## Dust extraction on mobile cabinets

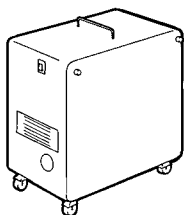
Item 050010  
(230V 50Hz 1~)



### ASPI-LABOR

The motor is protected by a thermal device.  
Output power single-phase 0.4 kW - 3.1 A, maximum flow 1250 l/min, max. operating head for continuous service 1300 mm H<sub>2</sub>O.  
Suggested for one work place.  
The cabinet is to be located near the bench and the cabinet aspirating arm can be moved over the spot where aspiration is needed.  
Sound pressure level tested with canalized air 67.5 dB (A).  
W= 450 mm D= 350 mm H= 760 mm + arm.  
Net Weight= 32 kg Gross Weight= 41 kg

Item 050050  
(230V 50Hz 1~)

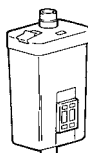


### MONO-LABOR

Technical specifications are the same as Aspi-Labor.  
Arm or stock are available on request.  
Sound pressure level tested with canalized air 53.5 dB (A).  
W= 510 mm D= 270 mm H= 490 mm

## Dust extraction for dental laboratory work benches

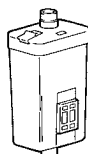
Item 050100 \*  
Item 050110 \*  
Item 050117 \*



**BAG CONTAINER Ø 30**  
**BAG CONTAINER Ø 40**  
**BAG CONTAINER Ø 50**

Complete with DIN 44956 T2 paper bag filter.  
W= 185 mm D= 125 mm H= 371 mm

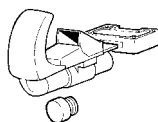
Item 050101 \*  
Item 050119 \*  
Item 050118 \*



**BAG CONTAINER Ø 30**  
**BAG CONTAINER Ø 40**  
**BAG CONTAINER Ø 50**

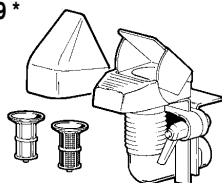
Complete with B.I.A. ZH1/487, UNI EN 779-2002 bag filter.  
W= 185 mm D= 125 mm H= 371 mm

Item 050120 \*



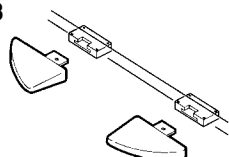
**STOCK AND STOCK HOLDER Ø 30**

Item 050179 \*



**Ø 40 ADJUSTABLE HEIGHT STOCK WITH SHELL**

Item 050193

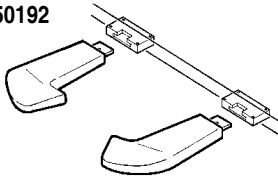


**SHORT ARM-RESTS**

W= 171 mm D= 109 mm H= 28 mm

\* These items are necessary for both single work stations and centralized plants.

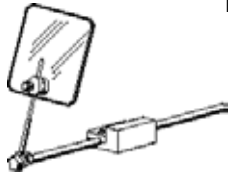
Item 050192



**LONG ARM-RESTS**

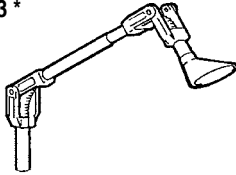
W= 176 mm D= 269 mm H= 30 mm

Item 050167



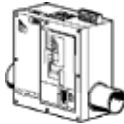
**PROTECTION SHIELD COMPLETE WITH ADJUSTABLE STEM**

Item 050143 \*



**ARM**

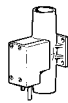
Item 050163 \*\*



**MOTORIZED ELECTROVALVE**

It can be used also with dusty air.  
L= 170 mm P= 66 mm H= 235 mm

Item 050182 \*\*\*



**FLOWMETER**

Item 185200 \*\*\*



**BEEPER**

Item 050185

**SINGLE-WORK STATION FLOWMETER P.B.**

Item 050183

**CENTRALIZED SYSTEM FLOWMETER P.B.**

Item 160800



**ZINC COATED IRIS GATE VALVE Ø 80**

Aspiration flow control valve.

\* Components needed for both single-work stations and centralized dust aspiration systems.

\*\* To be used in systems with two or more work stations.

\*\*\* These items sense and indicate that filter bag is clogged; they are optional.

## Standard dust extraction for 1 work station

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Aspiration unit to be located under the bench or next to it; aspiration piping Ø 40

Item 050110	1 Bag container Ø 40
Item 050120	1 Stock with stock holder
Item 020323 (230V 50Hz 1~)	1 Uni-Jet 75 Ø 40 aspiration unit
Item 191287	1 Silencer for Uni-Jet 75
Item 211310	1 Tube holder

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Aspiration unit to be located 8-10 m far from the bench; aspiration piping Ø 40.

Item 050110	1 Bag container Ø 40
Item 050120	1 Stock with stock holder
Item 020593 (230V 50Hz 1~) - Item 020597 (230/400V 50Hz 3~)	1 Tecno-Jet aspiration unit
Item 191287	1 Silencer for Tecno-Jet
Item 211310	1 Tube holder

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## Standard dust extraction for 2 work stations

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Aspiration unit to be located 8-10 m far from the bench; aspiration piping Ø 50.

Item 050117	1 Bag container Ø 50
Item 050120	2 Stocks with stock holders
Item 020723 (230V 50Hz 1~) - Item 020727 (230/400V 50Hz 3~)	1 Flux-Jet aspiration unit
Item 191278	1 Silencer for Flux-Jet

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## Spare parts

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Item 050180



DIN 44956 T2 PAPER BAG FILTER

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Item 050199



B.I.A. ZH1/487, UNI EN 779-2002 FABRIC BAG FILTER

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# Dust extraction for dental laboratory centralized plants

- Our aspiration units are manufactured according to C.E.I. - EN - 60034 regulations - 1 V edition of 2000 - 10. They are F class insulated with IP 54 protection and are meant for continuous service. Any voltage and frequency is available on request.
- Upon request, Uni-Jet 75, Tecno-Jet and Flux-Jet aspiration units can be supplied with their boxes.
- Electrical control panels are manufactured according to C.E.I. 17-13/1 (1990), (EN 60 439-1) regulations; they are fitted with low tension control cables.
- The connecting device for the electronic circuit of all electronic control panels (i.e. all control panels marked by a final E, like C75/1E, C75/E etc.) must be completed with a peripheral P.B. unit to be placed next to the work station.
- Control panels designed for two or more aspiration units are fitted with an electronic device to start/stop automatically one or more motors according to aspiration demand.
- **Each suction machine can service a variable number of work stations depending on different parameters: diameter and length of the piping, brand of the bench, number of bends (requirements concerning aspiration can vary), therefore the number of work stations we suggest should not be considered as binding.**

Item 074219



## ASSEMBLED ASPIRATION UNIT 75-225

The three aspiration units can be activated separately; the appliance is suggested for 1, 2 and 3 work stations.

The system is fitted with a device for the pneumatic and automatic cleaning of the filter. Especially designed for work bench aspiration systems.

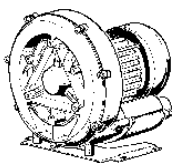
Flow: 75-150-225 m<sup>3</sup>/h.

Sound pressure level with canalized air 61.13 dB (A).

W= 785 mm D= 460 mm H= 950 mm

**Other models with different capacity and power can be manufactured on request.**

Item 020323  
(230V 50Hz 1~)



## UNI-JET 75 ASPIRATION UNIT Ø 40

The motor is protected by a thermal device.

Output power single-phase 0.4 kW - 3.1 A, maximum flow 1250 l/min,

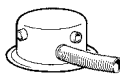
maximum operating head for continuous service 1300 mm H<sub>2</sub>O.

Suggested for single work station.

Sound pressure level with canalized air 62 dB (A).

W= 231.5 mm D= 246 mm H= 251 mm

Item 191287



## SILENCER FOR UNI-JET 75

Item 160562



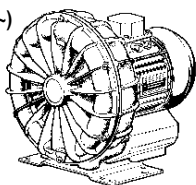
## SUPPLEMENTARY SILENCER FOR EXHAUSTED AIR

Item 020593

(230V 50Hz 1~)

Item 020597

(230/400V 50Hz 3~)



## TECNO-JET ASPIRATION UNIT for dental laboratory

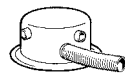
Output power single-phase 0.75 kW - 5.5 A, output power three-phase 0.75 kW - 3.4/1.95 A, maximum flow 2000 l/min, maximum operating head for continuous service 1300 mm H<sub>2</sub>O.

Suggested for one work station at 8-10 m distance.

Sound pressure level with canalized air 68 dB (A).

W= 302.5 mm D= 302 mm H= 319 mm

Item 191287



## SILENCER FOR TECNO-JET

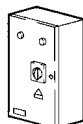
Item 160563



## SUPPLEMENTARY SILENCER FOR EXHAUSTED AIR

Item 020630 – 020640

## CONTROL PANELS C93/1 – C93



For one Tecno-Jet unit single- or three-phase respectively.

W= 300 mm D= 170 mm H= 400 mm

Item 023200 – 023240

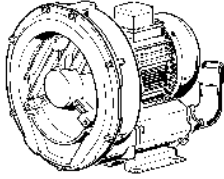
## CONTROL PANELS C94/1E – C94/E ELECTRONIC VERSION

For two Tecno-Jet units single- or three-phase respectively.

W= 400 mm D= 220 mm H= 580 mm

- Sound pressure level tested according to ISO regulation 3746 -1979 (E).  
Parameters: r or d =1.5 - background noise ≤ 38 dB (A) - instrument: Brüel & Kjær type 2232.

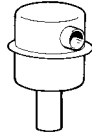
Item 020723  
(230V 50Hz 1~)  
Item 020727  
(230/400V 50Hz 3~)



### FLUX-JET ASPIRATION UNIT for dental laboratory

Output power single-phase 1.1 kW - 7.6 A, output power three-phase 1.1 kW - 5/2.9 A, maximum flow 3300 l/min, maximum operating head for continuous service 1500 mm H<sub>2</sub>O. Suggested for 2 work stations at 8-10 m distance. Sound pressure level with canalized air 68.5 dB (A). W= 334 mm D= 405 mm H= 341 mm

Item 191278



### SILENCER FOR FLUX-JET

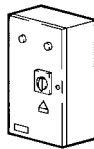
With one-way valve.

Item 160564



### SUPPLEMENTARY SILENCER FOR EXHAUSTED AIR

Item 020850-020860



### CONTROL PANELS C73 - C74

For one Flux-Jet unit single- or three-phase respectively. W= 300 mm D= 170 mm H= 400 mm

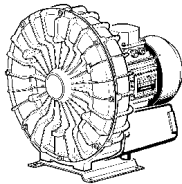
Item 023300-023310



### CONTROL PANELS C75/1E - C75/E ELECTRONIC VERSION

For 2 Flux-Jet units single- or three-phase respectively. W= 400 mm D= 220 mm H= 580 mm

Item 021034  
(230/400V  
50Hz 3~)



### MEDIO-JET ASPIRATION UNIT for dental laboratory

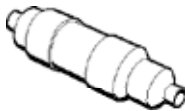
Output power three-phase 2.2 kW - 9/5.2 A, maximum flow 5000 l/min, maximum operating head for continuous service 1750 mm H<sub>2</sub>O. Suggested for 3 work stations working at the same time at 10-12 m distance. Sound pressure level with canalized air 76 dB (A). W= 395 mm D= 332 mm H= 415 mm

Item 021040

### ACCESSORIES FOR MEDIO-JET

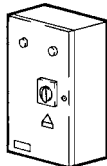
With one-way valve and compensating valve

Item 160565



### SUPPLEMENTARY SILENCER FOR EXHAUSTED AIR

Item 090220



### CONTROL PANEL C58/P

For one three-phase Medio-Jet unit. W= 300 mm D= 170 mm H= 400 mm

Item 023945



### CONTROL PANEL C59/PE ELECTRONIC VERSION

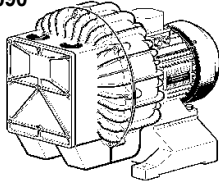
For 2 three-phase Medio-Jet units. W= 400 mm D= 220 mm H= 580 mm

• Sound pressure level tested according to ISO regulation 3746 -1979 (E).  
Parameters: r or d =1.5 - background noise ≤ 38 dB (A) - instrument: Brüel & Kjær type 2232.

**Note:** A silencer with one-way valve is necessary for the installation of the units in parallel.



Item 021090  
(230/400V  
50Hz 3~)



### MAXI-JET 2S ASPIRATION UNIT for dental laboratory

Output power three-phase 4 kW - 15.6/9 A, maximum flow 8333 l/min, maximum operating head for continuous service 1700 mm H<sub>2</sub>O. Suggested for 4 work stations working at the same time at 10-15 m distance. Sound pressure level with canalized air 76.5 dB (A).  
W= 566 mm D= 422 mm H= 443 mm

Item 021100

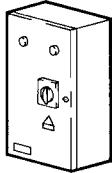
### ACCESSORIES FOR MAXI-JET 2S

With one-way valve and compensating valve

Item 090320

### CONTROL PANEL C82/P

For 1 three-phase Maxi-Jet 2S unit.  
W= 300 mm D= 170 mm H= 400 mm



Item 023985

### CONTROL PANEL C83/PE ELECTRONIC VERSION

For 2 three-phase Maxi-Jet 2S units.  
W= 400 mm D= 220 mm H= 580 mm

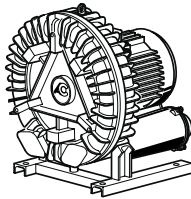
Item 180967

### PERIPHERAL P.B. UNIT



The peripheral P.B. unit is required only with electronic control panels (those marked by a final E, like C75/1E, C75/E etc.)  
One for each work station.  
W= 70 mm D= 70 mm H= 22 mm

Item 080031  
(230/400V 50Hz 3~)



### UNI-JET 500 ASPIRATION UNIT

Output power three-phase 3.5 kW - 14.7/8.5 A, maximum flow 9500 l/min, maximum operating head for continuous service 1300 mm H<sub>2</sub>O. Suggested for 6 work stations working at the same time at 20 m distance. Sound pressure level with canalized air 78 dB (A).  
W= 530 mm D= 530 mm H= 585 mm

Item 021106

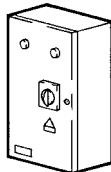
### ACCESSORIES FOR UNI-JET 500

With one-way valve and compensating valve.

Item 090320

### CONTROL PANEL C82/P

For 1 three-phase Uni-Jet 500 unit.  
W= 300 mm D= 170 mm H= 400 mm

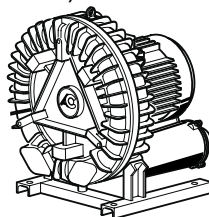


Item 023985

### CONTROL PANEL C83/PE ELECTRONIC VERSION

For 2 three-phase Uni-Jet 500 units.  
W= 400 mm D= 220 mm H= 580 mm

Item 083001  
(230/400V 50Hz 3~)



### UNI-JET 1000 ASPIRATION UNIT

Output power three-phase 4.5 kW - 18.2/10.5 A, maximum flow 20000 l/min, maximum operating head for continuous service 1200 mm H<sub>2</sub>O. Suggested for 12 work stations working at the same time at 25 m distance. Sound pressure level with canalized air 82 dB (A).  
W= 570 mm D= 645 mm H= 625 mm

Item 021102

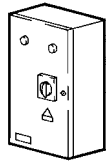
### ACCESSORIES FOR UNI-JET 1000

With one-way valve and compensating valve.

**Note:** In case our standard products cannot meet the necessary requirements, we are willing to design special personalized solutions.



Item 023976



**CONTROL PANEL C63/P**

For 1 three-phase Uni-Jet 1000 unit.  
W= 300 mm D= 170 mm H= 400 mm

Item 023906

**CONTROL PANEL 64/PE ELECTRONIC VERSION**

For 2 three-phase Uni-Jet 1000 unit.  
W= 300 mm D= 170 mm H= 400 mm

Item 090067



**DUST SEPARATOR WITH PNEUMATIC AND AUTOMATIC CLEANING OF THE FILTER\***

Suggested for:  
Uni-Jet 75 – max. air flow 73 m<sup>3</sup>/h - 1 work station.  
W= 450 mm D= 625 mm H= 730 mm

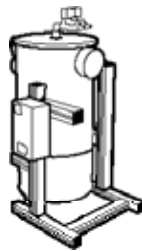
Item 090075



**DUST SEPARATOR WITH PNEUMATIC AND AUTOMATIC CLEANING OF THE FILTER\* + ASPIRATION UNIT**

Suggested for:  
aspiration for polishing machine, sand blaster and box for retouch.  
Max. air flow 500 m<sup>3</sup>/h with centrifugal aspirator (item 060014)  
Sound pressure level with canalized air 67.5 dB (A).  
W= 580 mm D= 700 mm H= 900 mm

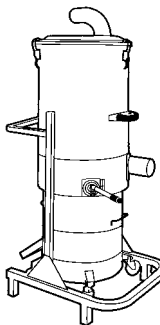
Item 090077



**DUST SEPARATOR WITH PNEUMATIC AND AUTOMATIC CLEANING OF THE FILTER\***

Suggested for Tecno-Jet and Flux-Jet units.  
Max. air flow 200 m<sup>3</sup>/h.  
W= 580 mm D= 550 mm H= 900 mm

Item 091050



**DUST SEPARATOR 75 LITRES  
MANUAL SHAKING OF THE FILTER\***

The filter can be cleaned by means of a lever placed outside the dust separator.  
Dust collects inside a disposable plastic bag which can be easily taken out.  
Weight: 60 Kg  
Max flow 600 m<sup>3</sup>/h - 6 work stations in aspiration.  
W= 650 mm D= 700 mm H= 1680 mm

Item 091052

**DUST SEPARATOR 75 LITRES**

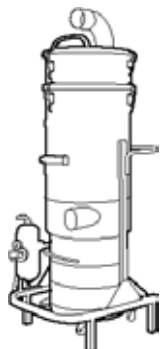
Max. air flow: 1100 m<sup>3</sup>/h - 12 work stations in aspiration

Item 091054

**DUST SEPARATOR 75 LITRES**

Max. air flow: 1500 m<sup>3</sup>/h - 14 work stations in aspiration

Item 091060



**DUST SEPARATOR 75 LITRES  
PNEUMATIC CLEANING OF THE FILTER\***

The filter cleaning is carried out automatically by compressed air.  
Dust collects inside a disposable plastic bag which can be easily taken out.  
Weight: 82 Kg  
Max. air flow 600 m<sup>3</sup>/h - 6 work stations in aspiration.  
W= 650 mm D= 700 mm H= 1950 mm

Item 091062

**DUST SEPARATOR 75 LITRES**

Max. air flow: 1100 m<sup>3</sup>/h – 12 work stations in aspiration

Item 091064

**DUST SEPARATOR 75 LITRES**

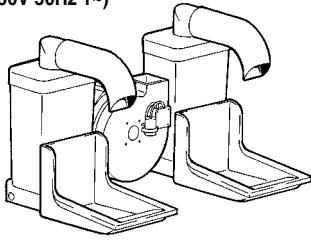
Max. air flow: 1500 m<sup>3</sup>/h - 14 work stations in aspiration

\* DIN EN 60335-2-69 filters.



# Polishing machine dust extraction

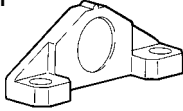
Item 060010  
(230V 50Hz 1~)



## COMPLETE DUST EXTRACTION FOR POLISHING MACHINE

Output power single-phase 0.200 kW - 1 A, maximum flow 152 m<sup>3</sup>/h, maximum operating head for continuous service 97 mm H<sub>2</sub>O.  
Components: 1 aspiration duct, 2 dust containers, 2 rubber sleeves, 1 aspiration unit, 2 rubber trays.  
Sound pressure level with canalized air 67.5 dB (A).  
W= 660 mm D= 415 mm H= 407 mm

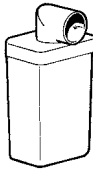
Item 060011



## ASPIRATION DUCT

Plastic duct with tie-rod and screws.  
W= 595 mm D= 145 mm H= 232 mm

Item 060012



## DUST CONTAINER

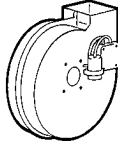
With rectangular housing for the aspiration duct at the bottom, 1 cover with support and Ø 60 hole, spring latch, 1 Ø 60 elbow, plastic net basket, glass microfibre bag with acrylic pre-filter.  
W= 190 mm D= 120 mm H= 352 mm

Item 210710



## RUBBER SLEEVE

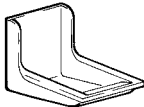
Item 060014  
(230V 50Hz 1~)



## CENTRIFUGAL ASPIRATOR

Air flow 550 m<sup>3</sup>/h. Plastic capacitor and plastic terminal board.  
Output power 0.200 kW.  
Sound pressure level with canalized air 67.5 dB (A).  
W= 270 mm D= 95 mm H= 235 mm

Item 060015



## RUBBER TRAY

W= 270 mm D= 230 mm H= 210 mm

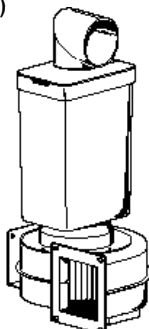
Item 050189



## BAG FILTER

B.I.A. ZH1/487 fabric.

Item 060051  
(230V 50Hz 1~)



## DUST ASPIRATOR (SAND-BLASTER - POLISHING MACHINE)

Components: aspiration unit, bag container, fastening bracket.  
W= 280 mm D= 240 mm H= 530 mm

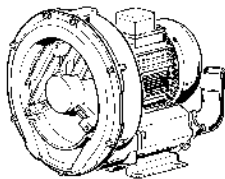
# Built-in vacuum systems

## Standard specifications of all appliances

- Die-cast light alloy maintenance-free aspiration units with asynchronous motors for continuous service; C.E.I. - EN - 60034 regulations - 1 V edition of 2000 - 10, class F insulation, IP 54 protection.
- Electrical control panels with electrical protection complying with safety regulations. Aspiration units are started/stopped by means of a 24V signal coming from the vacuum inlets. C.E.I. 17-13/1 (1990), (EN 60 439-1) regulations.
- Filters: disposable paper bags or microfibre-glass bags for microfiltering are placed in ABS containers which can be easily reached and which are equipped with visual clogged-filter indicator.
- Centrifugal dust separators with manual or automatic cleaning of the filter by means of compressed air. Dust collects at the bottom of the container to be emptied periodically. No further maintenance is needed. Centrifugal dust separators are suitable for clinics, hospitals, hotels, apartment buildings, etc.

## Single-flat built-in vacuum systems

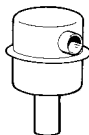
Item 020701  
(230V 50Hz 1~)  
Item 020702  
(230/400V 50Hz 3~)



### FLUX-JET ASPIRATION UNIT

Output power single-phase 1.1 kW - 7.6 A, output power three-phase 1.5 kW - 6.4/3.7A, maximum flow 3300 l/min, maximum operating head for continuous service 1500 mm H<sub>2</sub>O.  
Suggested for 1 vacuum inlet.  
Sound pressure level with canalized air 68.5 dB (A).  
W= 334 mm D= 405 mm H= 341 mm

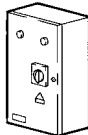
Item 191278 \*



### SILENCER FOR FLUX-JET

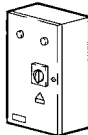
With one-way valve.

Item 023920



### CONTROL PANEL C73/PE ELECTRONIC VERSION

Item 023925



### CONTROL PANEL C74/PE ELECTRONIC VERSION

For one Flux-Jet unit single- or three-phase respectively.  
W= 300 mm D= 170 mm H= 400 mm

Item 090102

(Ø 30 Grey)

Item 090112

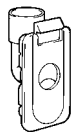
(Ø 50 Grey)

Item 090101

(Ø 30 White)

Item 090111

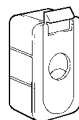
(Ø 50 White)



### ELECTRONIC VACUUM INLET

Flush mounted, with tube holder Ø 30 or Ø 50.  
W= 92 mm P= 77 mm H= 155 mm

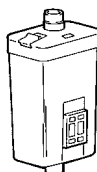
Item 090120



### ELECTRONIC VACUUM INLET

Wall mounted, with tube holder Ø 30.  
W= 92 mm D= 80 mm H= 147 mm

Item 050117



### BAG CONTAINER Ø 50

Complete with Ø 50 tube holders and bracket for wall-mounting.  
W= 185 mm D= 125 mm H= 371 mm

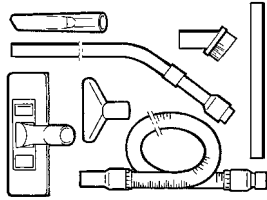
- Sound pressure level tested according to ISO regulation 3746 -1979 (E).  
Parameters: r or d =1.5 - background noise ≤ 38 dB (A) - instrument: Brüel & Kjær type 2232.

\* A silencer with one-way valve is necessary for the installation of the units in parallel.



Item 090590

## ACCESSORIES FOR VACUUM SYSTEMS



Item 072900

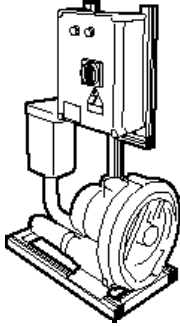
(230V 50Hz 1~)

Item 072903

(230/400V 50Hz 3~)

## BLOK-JET FOR SINGLE FLAT BUILT-IN ASPIRATION SYSTEM

Sound pressure level with canalized air 68.5 dB (A).  
W= 630 mm D= 340 mm H= 940 mm



## Built-in vacuum systems for clinics, hospitals, apartment buildings, etc.

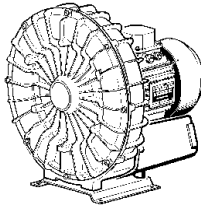
Item 021030

(230/400V

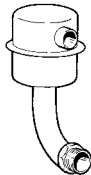
50Hz 3~)

## MEDIO-JET ASPIRATION UNIT

Output power three-phase 2.2 kW - 9/5.2 A, maximum flow 5000 l/min,  
maximum operating head for continuous service 1750 mm H<sub>2</sub>O.  
Suggested for 2 vacuum inlets working at the same time.  
Sound pressure level with canalized air 76 dB (A).  
W= 395 mm D= 332 mm H= 415 mm



Item 191255 \*



## SILENCER FOR MEDIO-JET

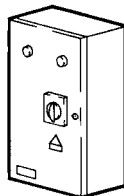
With one-way valve.

Item 023940

## CONTROL PANEL C 58/PE ELECTRONIC VERSION

For one three-phase Medio-Jet unit.  
W= 300 mm D= 170 mm H= 400 mm

Item 023945



## CONTROL PANEL C 59/PE ELECTRONIC VERSION

For 2 three-phase Medio-Jet units, with automatic start of the second motor  
according to the number of vacuum inlets in use.  
W= 400 mm D= 220 mm H= 580 mm

Item 023947

## CONTROL PANEL C 60/PE ELECTRONIC VERSION

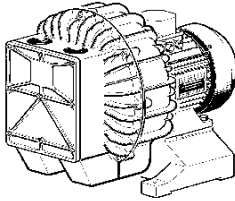
For 3 three-phase Medio-Jet units, with automatic start of the second and third  
motor according to the number of vacuum inlets in use.  
W= 550 mm D= 250 mm H= 700 mm

• Sound pressure level tested according to ISO regulation 3746 -1979 (E).  
Parameters: r or d =1.5 - background noise ≤ 38 dB (A) - instrument: Brüel & Kjær type 2232.

\* A silencer with one-way valve is necessary for the installation of the units in parallel.



Item 021090  
(230/400V  
50Hz 3~)



### MAXI-JET 2S ASPIRATION UNIT

Output power three-phase 4 kW - 15.6/9 A, maximum flow 8333 l/min, maximum operating head for continuous service 1700 mm H<sub>2</sub>O. Suggested for 3 vacuum inlets working at the same time. Sound pressure level with canalized air 76.5 dB (A). W= 566 mm D= 422 mm H= 443 mm

Item 191275 \*



### SILENCER FOR MAXI-JET 2S

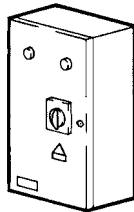
With one-way valve.

Item 023980

### CONTROL PANEL C82/PE ELECTRONIC VERSION

For one Maxi-Jet 2S unit.  
W= 300 mm D= 170 mm H= 400 mm

Item 023985



### CONTROL PANEL C83/PE ELECTRONIC VERSION

For 2 three-phase Maxi-Jet 2S units.  
W= 400 mm D= 220 mm H= 580 mm

Item 023987



### CONTROL PANEL C84/PE ELECTRONIC VERSION

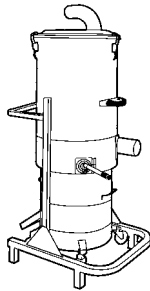
For 3 three-phase Maxi-Jet 2S units.  
W= 550 mm D= 250 mm H= 700 mm

Item 023990

### CONTROL PANEL C85/PE ELECTRONIC VERSION

For 4 three-phase Maxi-Jet 2S units.  
W= 550 mm D= 250 mm H= 700 mm

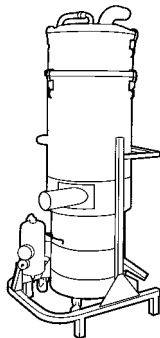
Item 091050



### DUST SEPARATOR 75 LITRES MANUAL SHAKING OF THE FILTER\*\*

The filter can be cleaned by means of a lever placed outside the dust separator. Dust collects inside a disposable plastic bag which can be easily taken out. Weight: 60 Kg  
Max flow: 600 m<sup>3</sup>/h.  
W= 650 mm D= 700 mm H= 1680 mm

Item 091060



### DUST SEPARATOR 75 LITRES PNEUMATIC CLEANING OF THE FILTER\*\*

The filter cleaning is carried out automatically by compressed air. Dust collects inside a disposable plastic bag which can be easily taken out. Weight: 82 Kg  
Max flow: 600 m<sup>3</sup>/h.  
W= 650 mm D= 700 mm H= 1950 mm

- Sound pressure level tested according to ISO regulation 3746 -1979 (E). Parameters: r or d=1.5 - background noise < 38 dB (A) - instrument: Brüel & Kjær type 2232.
- \* A silencer with one-way valve is necessary for the installation of the units in parallel.
- \*\*DIN EN 60335-2-69 filters.

**Note:** In case our standard products cannot meet the necessary requirements, we are willing to design special personalized solutions.





# NOTES





# GRUPPO CATTANI



**CATTANI S.p.A.** VIA NATTA, 6/A - 43100 PARMA - ITALY

10° 21' 48" Est - 44° 50' 46" Nord

TEL: +39 0521 607604 - SALE DEPT. FAX: +39 0521 607628

PURCHASING DEPT. FAX: +39 0521 607855 - ACCOUNTING DEPT. FAX: +39 0521 399966

<http://www.cattani.it> Email: [info@cattani.it](mailto:info@cattani.it)

Azienda con Sistema Qualità Certificato secondo UNI EN ISO 9001/2000 - UNI CEI EN 13485



**MAGNOLIA S.r.l.** VIA NATTA, 6/A - 43100 PARMA - ITALY

10° 21' 48" Est - 44° 50' 46" Nord

TEL: +39 0521 607604 - FAX: +39 0521 399967

Email: [info.magnolia@cattani.it](mailto:info.magnolia@cattani.it)

Azienda con Sistema Qualità Certificato secondo UNI EN ISO 9001/2000 - UNI CEI EN ISO 13485



**ESAM S.p.A.** VIA NATTA, 4/A - 43100 PARMA - ITALY

10° 21' 48" Est - 44° 50' 46" Nord

TEL: +39 0521 607613 - FAX: +39 0521 399968

<http://www.esam.it> Email: [info@esam.it](mailto:info@esam.it)

Azienda con Sistema Qualità Certificato secondo UNI EN ISO 9001/2000