



Abbiamo cercato di realizzare una brochure di struttura agile, semplice e concisa, luminosa nell'aspetto, concreta ed essenziale nei contenuti, oltre che estremamente rapida da sfogliare; con lo scopo di fornire informazioni utili che, possano effettivamente costituire una buona base di informazione e riflessione, un solido punto di partenza per un successivo (se desiderato), più concreto e circostanziato contatto diretto.

In ogni caso, la natura eminentemente tecnica dell'argomento e l'inevitabile singolarità di ogni problematica rende quasi sempre consigliabile uno scambio diretto di informazioni prima di qualsiasi decisione.

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*We tried to realize a simple, brief, quick structured catalogue, concrete and essential in contents, extremely rapid to dip into, with the intent to provide useful details: the first step for a next (if required) direct contact. However the strictly technical subject often requires specific information, before coming to a decision.*

*For further information and to explain us your applications, please contact our technical office: qualified people will attend you.*

[www.segu.it](http://www.segu.it)





## FANS

Flow rate from **1.000 mc/h to 100.000 mc/h**

- centrifugal
- axial
- boxed
- ducted

### Special executions:

- ATEX version
- High prevalence version
- Stainless steel model for acids transport
- Soundproof version



## EXHAUST TOWERS

Flow rate from **500 mc/h to 50.000 mc/h**

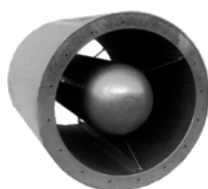
- centrifugal
- axial

### Accessories:

- gravity dampers
- base plate to wall
- support bases on corrugated roofing

### Special executions:

- ATEX version
- High prevalence version
- Special design for evacuation of smoke fire

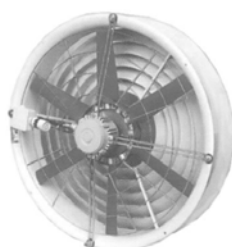


## SILENCERS

- galvanized, circular section diam. from **250 mm to 1400 mm**
- galvanized, rectangular section diam. from **250 mm to 1400 mm**

### Special executions:

- stainless steel



## DESTRATIFICATION

Flow rate from **1.000 mc/h to 10.000 mc/h**

### Special executions:

- ATEX version
- High prevalence version



## DUST FILTERS

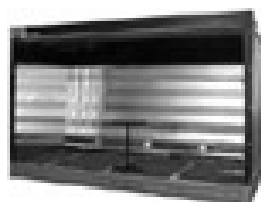
- SLEEVES FILTERS
  - POCKETS FILTERS
- Flow rate from **4.000** to **90.000** mc/h

### Accessories:

- cleaning stations
- accessories for pneumatic conveyors

### Special executions:

ATEX version



## HOODS AND SUCTION WALLS

Suction and pre-filtration of welding fumes and dust  
Comprising: workplan and walls in painted sheet metal, centrifugal fans, filter section  
Flow rate from **1.000 mc/h** to **15.000 mc/h**

### Special executions:

- filtration with activated carbon / absolute filtration
- ATEX version



## FIXED AND PORTABLE SUCTION SEATS

suction and filtration of welding fumes or grinding, dust, fumes  
consisting of: frame in steel – electrical fans - filtering sections - control panel - articulated arm with hood  
Portata aria da **1.000 mc/h** a **3.000 mc/h**

### Special executions:

- dual articulated arm
- Filtration with activated carbon for deodorization



## ACTIVATED CARBON FILTERS

- activated carbon filter media
- terminal filter
- activated carbon extruded in cylinders



## SLEEVES FILTERS and FILTRATION BAGS

- natural fibers and synthetic
- needle felt, polypropylene or polyester wadding (single-layer or laminated layers)



## FILTER CARTRIDGES

- polyester filter cartridge
- baskets for cartridge filters
- venturi



## DUCTS circular and rectangular sections

- galvanized steel pipes: straight sections, bends, branches, trims, flanges, final stretch of expulsion
- stainless steel pipes: straight sections, bends, branches, trims, flanges, final stretch of expulsion



## FLEXIBLE PIPES

standard // isolated // antistatic

- for ventilation
- for suction plants (fume, vapors, non-abrasive powders)
- for suction plants (toxic fumes / acids vapors and solvents)
- for suction plants and dust collection / chips and sawdust extraction
- for suction plants (flammable vapors)
- no-toxic to plants for food and pharmaceutical





## AIR HANDLING UNITS and ROOF-TOP

in modular sections:

Cooling / heating / humidification / filtration / heat recovery

Flow rate from **1.000** to **100.000** mc/h

### Special executions:

sections with absolute filtration (pharmaceutical industry and laboratories)

ATEX version

stainless version completely washable (food industry)



## PRECISION CONDITIONERS

only cooling or heat pump

conditioning / heating / humidification / dehumidification / filtration

Flow rate from **1.000** to **25.000** mc/h

### Special executions:

sections with absolute filtration (pharmaceutical industry and laboratories)

ATEX version

stainless version completely washable (food industry)



## HEATING UNITS

only heating or heating and hot water

Thermal power from **24 KW** to **4.000 KW**

### Special executions:

prefabricated thermal power



## REFRIGERATORS

only cooling or heat pump

cooling capacity from **20 KW** to **170 KW**

### Special executions:

**free-cooling** version

with pumping system built-in

with storage system built-in



## AIR CURTAINS for front door

Flow rate from **500** to **8.000** mc/h

- with electrical resistance // with hot water coil



## HEAT RECOVERY

Flow rate from **1.000** to **100.000** mc/h

- vertical configuration

- horizontal configuration

- aluminium version // steel version



## HUMIDIFIER

Steam production from **3 to 60 kg/h**

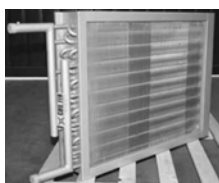
Fixed or wheeled

- adiabatic
- steam humidifiers
- immersed electrode humidifiers



## INDUSTRIAL DEHUMIDIFIERS

Push dehumidifiers



## BATTERIES

- finned tube batteries
- pack batteries
- battleships electric batteries
- additional electric heaters

**Special executions:**

ATEX version



## FILTERS

- standard filters ( class EN799 : G1 G2 G3 G4 )
- high efficiency filters ( class EN799 : F5 F6 F7 F8 F9 )
- Hepa filters ( class EN1822: H10 H11 H12 H13 H14 H15 H16 H17 )
- flat filter cells
- pleated filter cells
- synthetic bag filters
- bag filters in glass fiber
- rigid pocket filters
- deep-pleated HEPA filters



## DROPS SEPARATORS

For air handling units

- high quality polypropylene
- pvc
- aluminium

## FILLETS RECTIFIERS

To eliminate the turbulence of fluids into air handling units





## SPRAY NOZZLES

For humidifier ramps / washing facilities fumes and dust

- Full cone spray nozzles
- Hollow-cone spray nozzles



## PROBES AND ADJUSTMENT EQUIPMENT

- Temperature Probes
- Moisture Probes
- Duct Probes
- Outdoor air probes



## ELECTRIC MOTORS

- Single Phase
- Three-phase
- DC DC
- 2-4-6-8 poles or two poles
- Forms B3-B5 or B14

### Special executions:

EEx-d , ATEX version  
inverter



## MECHANICAL GEARBOXES

- screw
- Coaxial



## BEARINGS

- Ball
- Roller



## BELTS AND PULLEYS

- Toothed
- Trapezoidal



## HINGES PROFILES DOOR HANDLES SEALS





## DAMPERS

- Dampers
- Circular dampers
- Iris dampers
- over-pressure dampers
- fire dampers REI 120



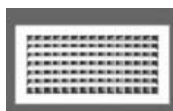
### Accessories:

- fuses for dampers (REI)
- magnets for dampers



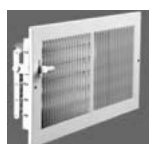
## DAMPER ACTUATORS

- Adjustment for floating / modulating without spring return
- Adjustment for floating / modulating spring return



## VENTS

- Single deflection
- Double deflection
- Linear
- For circular ducts
- External air vents
- Transit grills
- Plenum for vents



## DIFFUSERS

- Circular diffusers with fixed or adjustable cones
- Square diffusers or rectangular 1.2.3.4
- Holed diffusers
- Rotational diffusers with fixed or adjustable fins
- Linear diffusers



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THE PLANNING AND REALIZATION OF AIR & WATER TREATMENT SYSTEMS

