



SISTEMI INNOVATIVI DI TRATTAMENTO ARIA AMBIENTE

ASSISTED DESIGN REQUEST

FOR PLANTS WHICH FORESEE THE

MIX-IND[®]

TECHNOLOGY

PATENTED SYSTEMS(*)

Applicant :	Mr. :
Plant's reference :	Activity carried out on the premises:

EXCLUSIVENESS AND RISK OF COUNTERFEITING

The technical solutions which will be proposed by SINTRA as a consequence of this request **ARE NOT IN FREE COMPETITION** since they will be using one or more patented (*) technologies, protected by international laws against counterfeiting.

If these patented (*) technical solutions were to be applied in an abusive way by a third party, this will constitute a violation of SINTRA's industrial and intellectual property rights, also involving the responsibility of those who partake or benefit from the project, from the supplier to the final customer, and it will oblige SINTRA to legally defend itself in order not to lose its rights on the patents.

SINTRA DOES NOT IN ANY WAY FORCE THE APPLICANT TO USE THE TECHNICAL SOLUTIONS WHICH WILL BE PROPOSED AS A CONSEQUENCE OF THIS ASSISTED DESIGN REQUEST.

The only thing which is asked to the applicant for the use and disclosure of the technical solutions which will be conceived and proposed by SINTRA, is to ensure that the MIX-IND[®] ducts used to realize these technical solutions cannot be put in free competition, in order to avoid any risk of a possible counterfeit.

In this way, it will also be possible to avoid the risk that the possible buyer could easily make the mistake of comparing the Pulsers[®] with other types of perforated ducts available on the market, equivalent to SPIROJET ducts and therefore sensibly cheaper (price per linear meter), and similar to MIX-IND[®] ducts only in appearance.

Before a possible use, even partial or similar, of one of the technical solutions which will be proposed or validated by SINTRA, the applicant agrees to seek any possible prior authorization from his superiors or his own client, and to do everything necessary to ensure the exclusive use of the proposed MIX-IND[®] ducts, to minimize any risk of counterfeiting.

In case the applicant is not able to guarantee this exclusivity, he undertakes under its responsibility not to use and not to disclose information received from Sintra, which will therefore be regarded as strictly confidential.

Place : _____

Approval signature and stamp

Date : _____

Note: (*)patented:	Patented, patent-pending or SINTRA's know-how (info on www.mix-ind.com)
PATENTS:	MI2009A000275 - 10154832.9 - MI2009A000604 - MI2009A001174 - 10743224.7 - MI2011A001380 - MI2011A001382 - MI2011A001384 - MI2010A001539 - MI2011U00319 - MI2011U000357
PATENT PENDING:	10159863.9 - IT 0001394571 - PCT/IB2010/001658 - MI2010A001538 - 12179782.3 - 12188085 - MI2014A001535 - MI2014A001352 - MI2015A000181
TRADEMARKS :	SINTRA - PULSORE - PULSEUR - MIX-IND - VARITRAP - DLP - SPIROPACK - VARIAMIX - HYGRO-COOLING - VARIBOOST - VARIPULSE - VARISTEP - VARITOTEM - VARIPLENUM

Applicant's information :

- Adresse _____
- City _____
- Zip Code _____
- Office tel. _____
- Mobile tel. _____
- Fax _____
- E-Mail _____

- FINAL CUSTOMER
- ARCHITECT
- PROJECT DESIGNER
- FITTER
- _____

Kind of material :

- Fabric, type _____ colour _____
- Metal (all available kinds) built opened, with the green SPIROPACK™ technology.
 - Epoxy painted, RAL-like _____
 - _____

Kind of installation :

- heating and conditioning
- heating
- conditioning
- summer cooling
- technical ventilation
- _____

Estimated date/period for the definition :

- of the project's technical solution : _____
- of the possible supply : _____

REQUIRED PERFORMANCES LEVEL

- 1** - maximum available performances
- 2** - best price/quality ratio
- 3** - most competitive price, medium performances
- 4** - most competitive price, minimum performances

NOTES:

NOTE: This ENVIRONMENTAL DIAGNOSIS form has the aim to gather all the available technical data, even if approximate or estimated. It is not necessary to fill out all of the required fields, but a higher quantity of available data and a lower number of architectural limits imposed on the possible position, both for the MIX-IND® ducts and for the AHU, will allow SINTRA to propose the most economical and performing technical solutions.

Attached plant and section views of the building, specifying, if possible :

- NEW INSTALLATION : drawing and details of a possible existing project
- EXISTING INSTALLATION : drawing and details of the existing installation :
 - year of the plant's realization (approx.): _____
- preferably with :
 - indication of the geographic North
 - indication of the dominant wind's direction

Kind of plant:

- energy requalification of an existing plant
- total replacement of an existing plant
- newly built plant

Possible accepted risks :

- stratification risk
- air drafts risk

NOTES

- Important
- Less important

Building's physical characteristics:

- floor surface
- medium height
- volume
- building :
 - existing
 - in building phase
 - to be realized
- structure's thermal quality for the building's shell:
 - excellent
 - good
 - mediocre
 - bad
- appraisal for the roofing's permeability to air :
 - excellent
 - good
 - mediocre
 - bad
- openings of doors and main doors:
 - often
 - not so often
 - appraisal of the average door opening time:
 - appraisal of the average open doors section:

m2 _____
m _____
m3 _____

minutes/hour _____
m2 _____

Other information on the building :

Details on the activity carried out in the premises :

IMPORTANT

PROJECT'S TECHNICAL CHARACTERISTICS:

Winter thermal load:

- | | | |
|--|------|-------|
| <input type="checkbox"/> Static heat loss of the building (structure) | KW | _____ |
| <input type="checkbox"/> Air leakages in the environment (without the AHUs external air) | KW | _____ |
| <input type="checkbox"/> Forced air extractions | m3/h | _____ |
| <input type="checkbox"/> External air flow introduced by the AHU | m3/h | _____ |

Summer thermal load:

- | | | |
|--|------|-------|
| <input type="checkbox"/> External inputs (structure, windows, skylights, etc.) | KW | _____ |
| <input type="checkbox"/> Sensible internal inputs, (people, lights, etc.) | KW | _____ |
| <input type="checkbox"/> Latent internal inputs, (people, etc.) | KW | _____ |
| <input type="checkbox"/> Forced air extractions | m3/h | _____ |
| <input type="checkbox"/> External air flow introduced by the AHU | m3/h | _____ |

Air treatment system:

- | | | |
|---|------|------------|
| <input type="checkbox"/> Input air flow | m3/h | _____ |
| <input type="checkbox"/> External air flow | m3/h | _____ |
| <input type="checkbox"/> Available static pressure for the PULSERS® (only if imposed) | Pa | _____ |
| <input type="checkbox"/> AHU or thermal fan please send characteristics), with fan: | | |
| <input type="checkbox"/> with forwards curved blades | | |
| <input type="checkbox"/> with backwards curved blades | | |
| <input type="checkbox"/> variable air flow with a frequency regulator | | |
| <input type="checkbox"/> roof-top or direct expansion unit : | | |
| <input type="checkbox"/> reversible | | |
| <input type="checkbox"/> with a variable air flow | | _____/100% |
| <input type="checkbox"/> with gas module | | |
| <input type="checkbox"/> with a hot water battery | | |
| <input type="checkbox"/> Air heater (if possible, supply all available characteristics) | | |
| <input type="checkbox"/> Other : (if possible, supply all available characteristics) | | _____ |

Winter thermohygrometric conditions :

- | | | |
|--|-----|-------|
| <input type="checkbox"/> Environment temperature | °C | _____ |
| <input type="checkbox"/> Maximum input air temperature | °C | _____ |
| <input type="checkbox"/> Minimum input air temperature | °C | _____ |
| <input type="checkbox"/> Relative humidity in the environment | %HR | _____ |
| <input type="checkbox"/> Minimum external temperature according to the project | °C | _____ |

Summer thermohygrometric conditions :

- | | | |
|--|-----|-------|
| <input type="checkbox"/> Environment temperature | °C | _____ |
| <input type="checkbox"/> Minimum input air temperature | °C | _____ |
| <input type="checkbox"/> Maximum project's external temperature | °C | _____ |
| <input type="checkbox"/> external relative humidity according to the project | %HR | _____ |
| <input type="checkbox"/> Relative humidity in the environment | %HR | _____ |

Occupation of the premises :

- | | | |
|--|-------|----------|
| <input type="checkbox"/> Hours of occupation per day | hours | _____/24 |
| <input type="checkbox"/> Days of occupation per week | days | _____/7 |

Particular characteristics required for the plant: