

MARKET TRENDS IN SPAIN & PORTUGAL

AN INDUSTRY POINT OF VIEW

Webinar of Ductwork airtightness, 25/01/2018
Rodrigo Sanz

Introduction

- Since 1986 in Barcelona

- Our group



- Plastic Ductwork

- Ventilation Systems

- Metallic Ductwork

- Members of



- Integration in Technical Committee in



Need to align the concepts!



Legislation for the Energy Performance



Indoor Air Quality (IAQ)



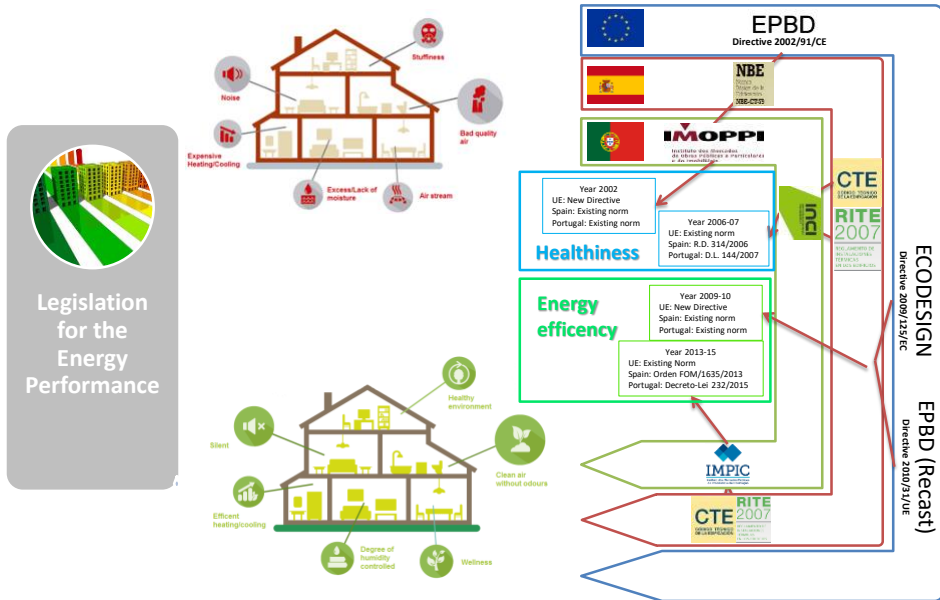
MEV & MVHR Ventilation Strategies



Systems & Products technologies



Legislation





Indoor Air Quality (IAQ)

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Healthy homes in air tight buildings



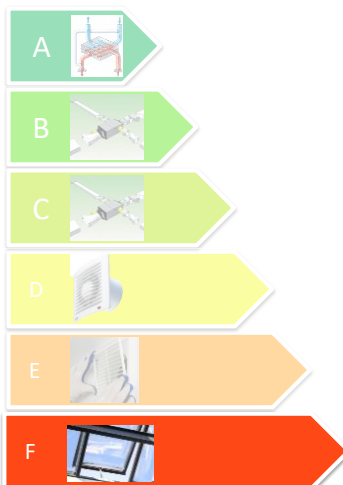
CO ₂ [ppm]	Air Quality
2100	☠️
2000	
1900	
1800	
1700	😞
1600	
1500	
1400	
1300	😐
1200	
1100	
1000	
900	😊
800	
700	
600	
500	
400	

Ventilation Strategies



MEV & MVHR Ventilation Strategies

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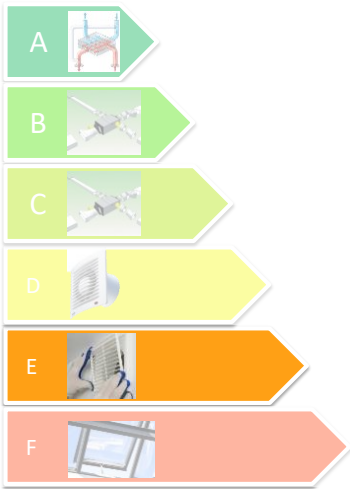
Windows

Ventilation Strategies



MEV &
MVHR
Ventilation
Strategies

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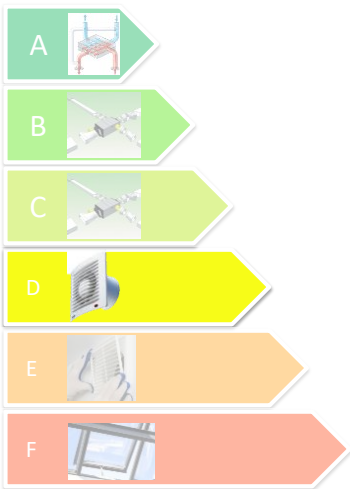
Grilles

Ventilation Strategies



MEV &
MVHR
Ventilation
Strategies

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Extract Fan

Ventilation Strategies



MEV & MVHR
Ventilation
Strategies

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A



B



C



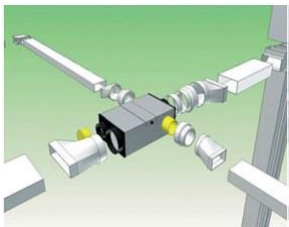
D



E



F



Self-Balanced Ventilation System

Ventilation Strategies



MEV & MVHR
Ventilation
Strategies

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A



B



C



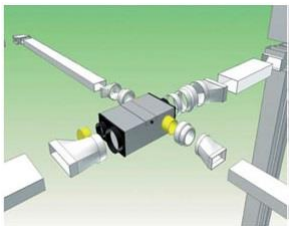
D



E



F



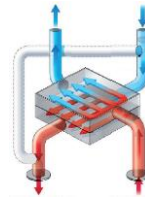
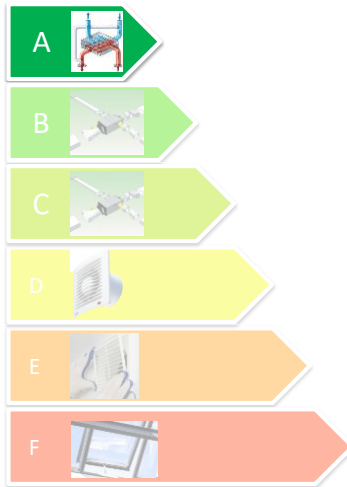
Humidity-Sensitive Ventilation System

Ventilation Strategies



MEV &
MVHR
Ventilation
Strategies

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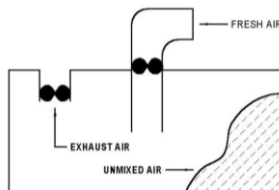


Heat-Recovery
Ventilation System

Systems & Products Technologies



Systems &
Products
technologies



- **Poorly designed
air distribution
systems**

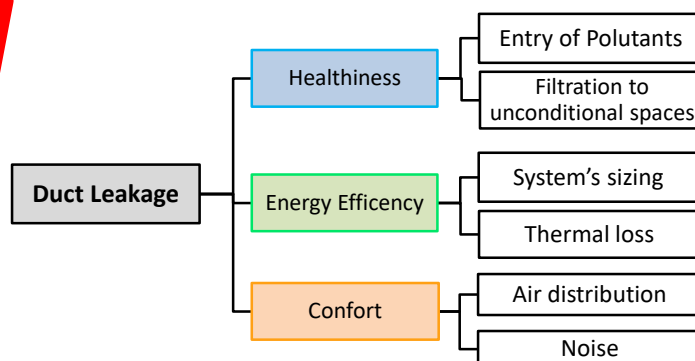




- Poorly installed air distribution system or bad product choice



- Leakage consequences

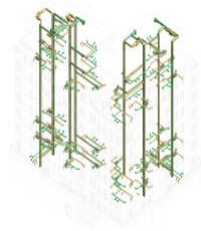




Best practises are needed



- **BEST PRACTISE design principles to minimise pressure loss**



- **BEST PRACTISE installing principles to avoid leakage in connections**

We offer solutions in plastic ductwork systems Tubpla® Pure StancoFix



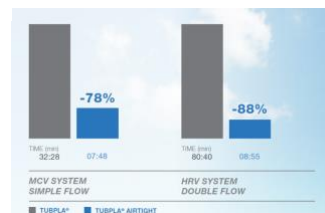
- **Integrated air-tight seals**
- **Mechanical connections**



- **Extremely Airtight Class D according to EN 12237**

- **Extremely easy and quick to install**

Cost saving



GONAL® contributes to energy efficiency

Benefits for better practise of Tubpla® Pure StancoFix



- The widest range of plastic air-tight mechanical connections ductwork.



> AIR FLOW:

	SYSTEM 150	SYSTEM 125	SYSTEM 100
SIZES (mm)	Ø 150 180x90	Ø 125 220x55	Ø 100 110x55
FLOWS (m³/h)			
maximum*	240	180	90
minimum**	150	100	50

* Air speed = 4.0 m/s
** Air speed = 2.5 m/s



- Antibacterial and Antistatic duct!
- Preventing diseases
- Avoiding dust embedded into the duct and preserving stocked ducts



GONAL® contributes to energy efficiency

Tubpla® Airtight Pure, integrating value in the concepts!



Legislation for the Energy Performance



Indoor Air Quality (IAQ)



MEV & MVHR Ventilation Strategies



Tubpla® ductwork technology





..., biting for a better practise

Thank you!