

GELLERT SYSTEM COMPARISON

FEATURES	GELLERT FAN HOUSE	GELLERT INTERNAL FAN HOUSE	GELLERT FAN HOUSE LETTERBOX ⁹
CAPACITY	<ul style="list-style-type: none">• Typically 20' high up to 200' long.	<ul style="list-style-type: none">• Typically 20' high up to 200' long.	<ul style="list-style-type: none">• Typically 20' high up to 200' long.
SYSTEM FEATURES	<ul style="list-style-type: none">• PLENUM DELIVERED• MIXING ROOM ¹• PLENUM SIZED AND CONTROLLED FOR VELOCITY AS IT RELATES TO STATIC PRESSURE ²	<ul style="list-style-type: none">• PLENUM DELIVERED• MIXING ROOM• PLENUM SIZED AND CONTROLLED FOR VELOCITY AS IT RELATES TO STATIC PRESSURE	<ul style="list-style-type: none">• EXHAUST METHOD OF DELIVERING AIR ⁵• STAGED FAN CONTROL ⁶• PLENUM DELIVERED
COMPETITIVE ADVANTAGE	<ul style="list-style-type: none">• EASY METHOD TO STORE• OPTION TO SEGMENT IN TO SEPARATE BINS ³• PRECISE ZONE MANAGEMENT AT THE DUCT ⁴• MIXING ROOM• CLIMATE MOVES UP THROUGH RAW PRODUCT	<ul style="list-style-type: none">• EASY METHOD TO STORE• OPTION TO SEGMENT IN TO SEPARATE BINS• PRECISE ZONE MANAGEMENT AT THE DUCT• MIXING ROOM• CLIMATE MOVES UP THROUGH RAW PRODUCT	<ul style="list-style-type: none">• MATERIAL HANDLING WITH UNIVERSAL FORK LIFTS• LOADING & UNLOADING IS SPECIALIZED• IF MATERIAL HANDLING IS DESIGNED PERFECTLY, MORE FEATURED ABILITY TO REMOVE DISEASE BY THROWING AWAY THE CONTENTS OF A BOX
APPLICATIONS	<ul style="list-style-type: none">• POTATOES• ONIONS• ANY BULK OR AIR FLOOR HOLDING APPLICATION	<ul style="list-style-type: none">• POTATOES• ONIONS• ANY BULK OR AIR FLOOR HOLDING APPLICATION	<ul style="list-style-type: none">• NEARLY UNLIMITED
CONSTRAINTS	<ul style="list-style-type: none">• MATERIAL HANDLING IS RESTRICTED TO SHOVEL, SCOOP OR SPECIALIZED EQUIPMENT FOR THE PARTICULAR APPLICATION• LOADING & UNLOADING IS SPECIALIZED	<ul style="list-style-type: none">• MATERIAL HANDLING IS RESTRICTED TO SHOVEL, SCOOP OR SPECIALIZED EQUIPMENT FOR THE PARTICULAR APPLICATION• LOADING & UNLOADING IS SPECIALIZED• LOSE SPACE	<ul style="list-style-type: none">• REQUIRES BOX FILLING• EXHAUST DESIGN, REQUIRES MORE EQUIPMENT ⁷• AIR MONITORING & MANAGEMENT RESTRICTED• NO MIXING ROOM• INCORRECTLY SIZED CREATES TURBULENCE ⁸

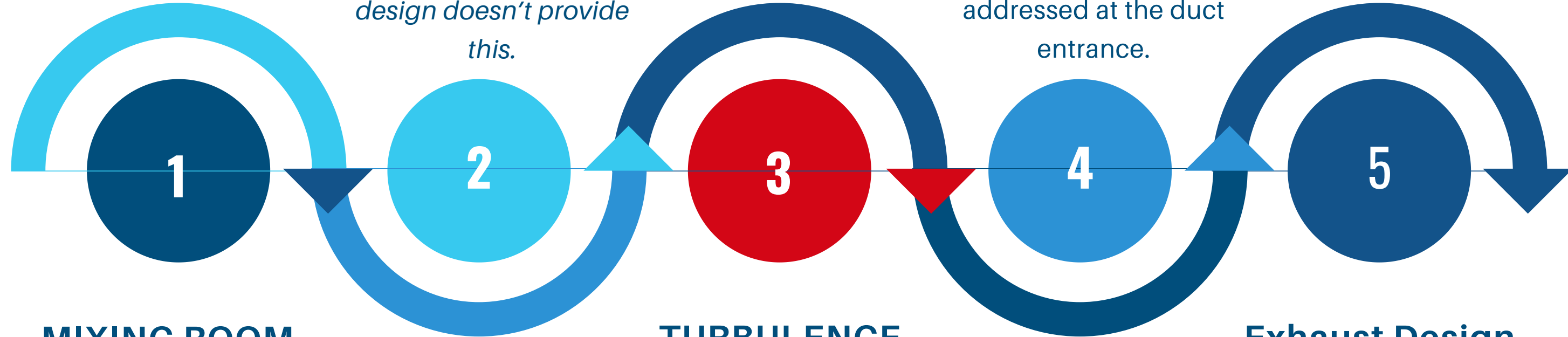
Footnotes

PLENUM CONTROL

Velocity is designed to increase and decrease based on the design features & static pressure points of the system i.e. humidity transfer, CO2 extraction, etc. *Euro design doesn't provide this.*

Zone Design & Management

Product quality challenges are managed to the duct. Additional heating, humidity and ventilation can be addressed at the duct entrance.



MIXING ROOM

Like water, air can be mixed. The humidity, temperature, outside air etc. mixes & prepares for distribution to the product

TURBULENCE

Laminar air should be the goal in distributing flow. Equipment too closely spaced creates areas of turbulence no different than converging ditches

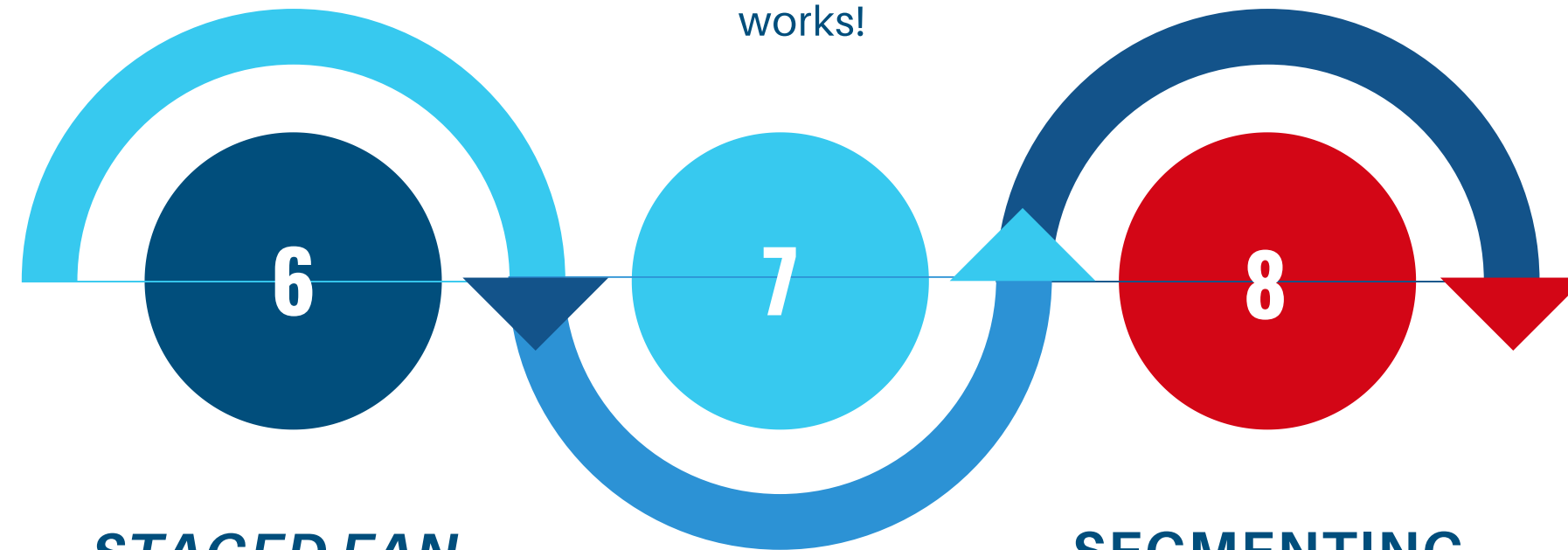
Exhaust Design

Commonly exhaust design as opposed to Gellert's supply based design.

Footnotes cont.

MORE EQUIPMENT

European players drive box storage designs that require larger investments in equipment to deliver lesser results. Gellert's Letterbox Design is innovative, affordable, and works!



STAGED FAN CONTROL

Like water, air can be mixed. The humidity, temperature, outside air etc. mixes & prepares for distribution to the product

SEGMENTING

Often holding is needed to be segmented for grower accountability or material handling needs to move the product through the season.

GELLERT'S VENTILATION PROCESS

The following processes can be part of the Gellert System





FRESH AIR DOOR



MIXING ROOM



FRESH AIR DOOR

