

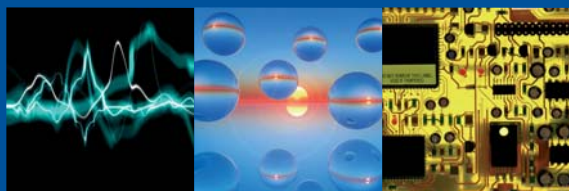
50% REDUCTION OF ENERGY CONSUMPTION  
UP TO 12.000 KG PER YEAR REDUCTION OF CO2 EMISSION  
UP TO 2.000 EURO PER YEAR REDUCTION OF ELECTRICITY COSTS



**flower**<sup>®</sup>  
ecologyintesting

YOUR RESPECT FOR A SUSTAINABLE PLANET

Flower<sup>®</sup> the "environmentally friend" climatic chamber



# f<sup>ower</sup>

YOUR RESPECT FOR A SUSTAINABLE PLANET

## Flower<sup>®</sup>, for a better future

Environmental protection and preservation are among the highest priorities for a company having ISO14001 certification. In keeping faith with sustainability policies Angelantoni Industrie has been conducting research and development related to reduce energy consumption and to use ecological and recyclable materials in order to develop products that reduce environmental damages at all stages of the product lifecycles.

The new chamber, called "flower<sup>®</sup>", is the first result of this research, a truly innovative product in the field of climatic test chambers, thanks to its special design.

### Reduced energy consumption

About 50% reduction of energy consumption can be assured during the stabilization phases due to a unique and "patented" system such as:

- an inverter that controls compressor speed and allows the adaptation of compressor power to different working needs
- a "cold sink" to increase the cooling efficiency.

### Reduced noise level

50% noise reduction is obtained due to:

- the inverter on the compressor which reduces the rotation speed to about 40% of its nominal value according to working conditions
- an automatic control system that reduces condenser blower rotating speed according to ambient temperature and cooling power.

These advantages are combined with the use of "environmentally friend" materials during production phases:

- solvent-free paints
- no polyurethane in the insulation process
- recyclable or easy disposable packing materials.

	FLOWER 340	FLOWER 600	FLOWER 1200
Useful capacity	336	559	1152
Int. Dims (WxDxH)	601X810X692	850x740x890	1000x1130x1020
Ext. Dims (WxDxH castors included)	919X1817X1638	1168x1797x2021	1320x2235x2137
Max electrical power (kW)	7,2	11,4	14
Max electrical power (kW) at steady conditions (down to -35°C)	2,5	3,2	4,3
Max noise (dbA)*	59	64	65
Max noise (dbA)* at steady conditions	54	57	60
Weight	850	1030	1230
R.H. Range within the Temp. Range +5°C/+95°C	10%...98%	10%...98%	10%...98%
Temp. Range	-40°C/+180°C	-40°/+180°C	-40°C/+180°C
Temperature Rate of Change measured at the control probe heating**	4,5 K/min	4,5 K/min	4 K/min
cooling without the "cold sink" device	3 K/min	4 K/min	4 K/min
cooling with the "cold sink" device	6 K/min	8 K/min	7 K/min

\* measured at 1 meter from the front wall in a non reverberating room \*\* according to IEC 60068-3-5 and IEC 60068-3-6

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MORE THAN TECHNOLOGY

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