

COOLNOMIX AR-01™



AVERAGE 30% ENERGY SAVINGS ON REFRIGERATORS



ONLY 2H TO INSTALL



IMMEDIATE SAVINGS



NO MAINTENANCE REQUIRED



IMPROVED TEMPERATURE STABILITY



NO ICING

How is this possible?

Internationally patented **COOLNOMIX® Optimized Refrigerant Supply (ORS®)** encompasses two key processes:

- Delivery of the required space temperature
- Optimization of the running-time of the compressor to reduce energy wastage

Since the compressor consumes about 95% of all the energy used by a refrigerator, **ORS®**'s optimization of its running-time delivers world-beating energy savings at an average 30% worldwide.

COOLNOMIX® applications

COOLNOMIX® delivers these awesome savings through being retro-fitted to existing refrigerators of any-size and any kind. Retrofitting takes about two hours to complete and there are zero maintenance requirements.

COOLNOMIX® is already delivering energy savings around the world on:

- Industrial refrigerators used in the Manufacturing sector; e.g. food manufacturing or pharmaceuticals
- Walk-in refrigerators used in the Food and Beverage sector
- Retail sector refrigerators; vegetable and dairy display units; cold drink cabinets
- Wine warehousing refrigeration



COOLNOMIX AR-01™

REDUCE YOUR ELECTRICITY BILL
BY **10-20%**

More about Optimized Refrigerant Supply (ORS®)

Refrigerator manufacturers make use of space temperature measurement to determine the run-time of the compressor. **COOLNOMIX® ORS®** employs data from two temperature sensors for determining when work is needed from the refrigerator's compressor.

- The first sensor replicates the function of the space temperature measurement and is employed by **COOLNOMIX® ORS®** to deliver the required space temperature as a priority
- The second sensor measures the temperature of the cold-supply air from the refrigerator and this is used to determine when the compressor has completed its hydraulic work of fully compressing the refrigerant gas

Of course, once the refrigerant gas is fully compressed, continuing to run the compressor is a waste of energy and yet this is what use of the space temperature measurement persists in doing.

With the additional information derived from its second sensor, **COOLNOMIX® ORS®** is able to stop the compressor whilst the refrigerator uses the reservoir of cooling capacity that has been created to cool the space. Once **COOLNOMIX® ORS®** determines that further cooling capacity is needed, the compressor is started again until its hydraulic work has been completed once more.

Since **COOLNOMIX® ORS®** prevents over-running of the compressor, there is never a build-up of ice on the evaporator coils that require a de-icing cycle.

COOLNOMIX® meets the requirements of the most challenging certifications:



COOLNOMIX® also delivers an astonishing average 40% savings on air-conditioning.

Ask for a copy of our **COOLNOMIX AC-01™** Product Brochure.

Estimate your savings now

For an estimate of your annual savings, ROI, payback period, and reduction in carbon emissions, just send us your:

- Electricity kWh price
- Unit electrical power rating
- City and country



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**FOR MORE INFO, VISIT:
WWW.COOLNOMIX.COM**



For more information, including Case Studies, Data Sheets and Customer Testimonials, contact Agile8 at:

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