

## Indirect Refrigeration Systems

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Well designed indirect systems for chill applications can in comparison with direct systems offer lower power connection and lower energy consumption.

The selection of secondary refrigerant is not only depending on thermophysical properties and hygiene but influenced by biased and emotional facts.

The potassium salts which have become popular during last 5-10 years are hygienic and capable to balance ethylene glycol and calcium chloride in energy performance. But these potassium salts require knowledge and skill in design and selection of system components. The outcome of systems with potassium salts is in some cases very negative with serious corrosion.

Indirect systems is otherwise one important answer to the phase out of CFC/HCFC refrigerants allowing a free choice of basic refrigerant and system.