



8th IIR Gustav Lorentzen Conference on Natural Working Fluids

København, 7. – 10. september 2008

Refrigeration and Energy – The Natural Choice

Technical Visit 4 (TV4)

Efficient supermarket refrigeration with transcritical CO₂ applied by SuperBest

The Danish supermarket chain SuperBest has chosen to apply carbon dioxide as refrigerant in all future installations. A newly developed standard design with CO₂ as the only refrigerant covering both low temperature and medium temperature as replacement for R404A and secondary fluids has proved to be a cost efficient, energy efficient and highly reliable solution. At the site, hosted by SuperBest Solrød a refrigeration system with the cooling capacity of 130 kW and 35 kW at -12°C and -35°C respectively was installed in the autumn of 2007. The refrigeration system was produced by Danish pack builder Advansor A/S and installed by the company Super Køl A/S.



A picture from the installation

Programme

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|-------|---------|--|
| 13:45 | 25 min. | Short introduction (in room 207 at the Conference Center)
By Advansor A/S |
| 14:10 | 30 min. | Transport by bus to SuperBest Supermarket, Solrød |
| 14:40 | 60 min. | Visit at the shop and refrigeration machinery room
By Super Køl A/S |
| 15:40 | 30 min. | Transport by bus back to Conference Center |
| 16:10 | 30 min. | Follow-up / discussions and questions (in room 207 at the Conference Center)
By Advansor A/S |
| 16:40 | | End of Technical Visit 4 (estimated) |

Limitations:

Because of practical limitations the maximum number of participants is set to 40 persons.

Adress:

SuperBest, Solrød Centret 35, Area E, 2680 Solrød Strand

References:

SuperBest: www.solrodcenter.dk/sc/default.asp?page=7&ButikID=31 (only in Danish)

Advansor A/S: www.advansor.dk/english.html (in English)

Super Køl A/S: www.superkol.dk (only in Danish)