

Application and technology trends

Industrial refrigeration & heat pumps

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Outperforms most low GWP refrigerants in overall efficiency : economic choice







Increase availability of equipement





Increase availability of equipement Support in education & training





Increase availability of equipement
Support in education & training
Facilitate experience buildup





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Support in education & training
Facilitate experience buildup
Standards and legislation





Increase availability of equipement
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Facilitate experience buildup
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public awareness





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financial support







Semi-hermetic industrial compressors





Semi-hermetic industrial compressors low refrigerant charge systems





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low refrigerant charge systems
Alternative condensing techniques





Semi-hermetic industrial compressors
low refrigerant charge systems
Alternative condensing techniques
Good practice





Challenges and drivers Industrial refrigeration & heat pumps

Ammonia chiller

Semi-hermetic piston
PM motor
Ultra -low refrigerant charge









Challenges and drivers Industrial refrigeration & heat pumps

Ammonia-CO2 cascade chiller

Compound 2stage ammonia compressor Semi-hermetic PM motor Ultra -low refrigerant charge

NewTon 3000 Modular Skid













Policy themes

Decarbonization
Long-term energy & climate goals
Energy efficiency
Inclusive thermal heat systems





Thank you

Eric Delforge

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