



# Handbook Viessmann Refrigeration Solutions



# Viessmann Refrigeration Solutions

Viessmann is one of Europe's leading supplier of refrigeration solutions. Local refrigeration sales organisations in 18 different countries ensure the greatest possible proximity to the customer and offer a comprehensive range of products and services – from maintenance and service to technical support. The wide range of expertise in the Viessmann Group always paves the way to the perfect solution for the market partner.

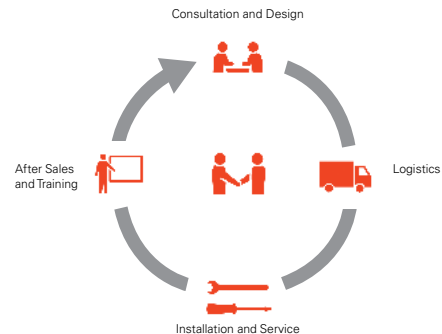
## Production

Viessmann refrigeration solutions offer one contact point for refrigeration sales, marketing and services. Its production sites in Germany and Finland stand for

high-quality refrigerated cabinets, cold rooms and refrigeration systems, as well as great expertise in the field of commercial refrigeration. The bundling of both companies' long-term experience is a great benefit to the customers, who receive comprehensive refrigeration solutions from a single supplier.

## REFRIGERATION SOLUTIONS OF VIESSMANN GROUP

- Refrigerated cabinets
- Cold rooms
- Refrigeration systems
- Turnkey projects



# Tecto MD7

Robust in operation, great in merchandising.



## KEY BENEFITS

- + Maximised product display area with integrated door design
- + Excellent product visibility
- + Modern design for supermarket and hypermarket store concepts
- + Durable construction with high shelf load capacity
- + Back wall evaporator multideck with good energy efficiency

External length (mm)  
1250, 1875, 2500, 3750,  
crown ends 1980, 2500

External height (mm)  
2055, 2255

External depth (mm)  
990, 1190 crown ends  
990, 1190



Energy efficiency class

Open E-F, Doors B

Open



E  
F

Doors



B

# Tecto MD5 & MD5 eco



Energy efficiency class

Open D-F, Doors B-D

Improved merchandising for retailers

## KEY BENEFITS

- + Integrated door design for maximised product display area
- + New shelf lighting for optimised product visibility
- + Attractive visual quality
- + Space-efficient design
- + High shelf load capacity
- + New unique evaporator design
- + Easy to install, clean and service



## MD5

Front height (mm)

300

External length (mm)

1250, 1875, 2500, 3750,  
1580, 1780, 1980, 2180

External height (mm)

2055, 2255

External depth (mm)

790, 890, 1090

## MD5 eco

Front height (mm)

300

External length (mm)

1250, 1875, 2500, 3750

External height (mm)

2055, 2255

External depth (mm)

790, 890

# Tecto MD4 Leho

Energy efficiency and modern technology



Energy efficiency class

Open F, Doors C

## KEY BENEFITS

- + Reliable and energy saving air curtain
- + Leading energy efficiency
- + Enhanced evaporating temperatures
- + Enhanced lighting of goods
- + Outstanding temperature performance
- + 60 mm insulated framework



Front height (mm)  
235

External length (mm)  
1250, 1880, 2500, 3750

External height (mm)  
2040, 2220

External depth (mm)  
1190







# Tecto MD3 e-Visio



Energy efficiency class

Doors C

Two multideck cabinets in one

## KEY BENEFITS

- + e-ncore technology with patented air curtain
- + Optimised usage of the floor space
- + Maximum product visibility
- + More options for store layout planning
- + 50% faster to install



External length (mm)  
1250, 2500

External height (mm)  
2010, 2210

External depth (mm)  
1460

Doors



C



# Tecto SV5

Superior mid-floor merchandising



## KEY BENEFITS

- + Great mid-floor product presentation
- + Flexibility for different store formats with 890 cm and 990 cm cabinet depths
- + Space-efficient bottom evaporator design
- + High-performance open and door cabinet
- + Easier drainage and refrigeration piping installation

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External length (mm)  
1875, 2500, 3750, End-  
kühlgeräte 1780, 1980

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External height (mm)  
1450, 1650

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External depth (mm)  
890, 990

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Energy efficiency class

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Open E-F, Doors C

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Open



E  
F

Doors



C

# Tecto RI4 Leho



Energy efficiency class

Open F, Doors C

Energy efficiency and modern technology

## KEY BENEFITS

- + New innovative design with robust front
- + Display area for variety of packaging formats and sizes
- + Excellent product presentation
- + New Viessmann LED lighting for optimal product display
- + Optimised airflow
- + Improved hygiene with antimicrobial powder coating SmartProtec
- + Higher evaporating temperature for keeping delicate produce fresh
- + Fast and easy cleaning



Front height (mm)  
235

External length (mm)  
2500, 2800

External height (mm)  
2040, 2220

External depth (mm)  
1190



# Tecto RI1 Intro

Easy to load and maintain  
roll-in multideck



Energy efficiency class

Open F

## KEY BENEFITS

- + Steady and solid lift up front is easy to handle and lead
- + End panels with plain surfaces and extremely large glasses
- + Wider air channels for improved air circulation
- + Low energy fans as an option for efficient energy saving
- + Different cooling systems available

Open



Front height (mm)  
300

External length (mm)  
1875, 2500, 3750, 1940,  
2910

External height (mm)  
2010, 2210, 2250, 2450

External depth (mm)  
1110, 1210, 1130



# Tecto SV1 Iconic

Create more frozen sales



## KEY BENEFITS

- + Higher sales
- + More frozen products without the need for additional space
- + Better product visibility
- + Better ergonomics and user experience
- + More design options for your shop layout

External length (mm)

1875, 2500

External height (mm)

1550

External depth (mm)

1050, 1920

Energy efficiency class

E





# Tecto IS1

Spacious freezer and cooler islands of high quality



## KEY BENEFITS

- + Optimised product visibility
- + Large product space
- + Easy re-filling
- + Reliable performance



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External length (mm)  
1875, 2500, 3750

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External height (mm)  
900

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External depth (mm)  
1915, 1080

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Energy efficiency class

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E-G

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# Tecto IS1 Maxim

Reliable islands for chilled and frozen food



## KEY BENEFITS

- + Wide variety of models
- + Reliable performance
- + Easy re-filling

External length (mm)  
1875, 2500, 3750,  
1340, 1740, 2140

External height (mm)  
900

External depth (mm)  
1115, 1515, 1915, 2315,  
1080

Energy efficiency class

E-G





# Tecto IS2 PI Freoz

A versatile plug in island for promotions



## KEY BENEFITS

- + Natural refrigerant R290 is an environmentally friendly solution
- + Variable speed compressors for improved performance
- + LED lights for improved product visibility
- + Raised base ensure better ergonomics
- + Remote monitoring readiness
- + Reliable island for promotions

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External length (mm)  
1832, 1872, 2132, 2532

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External height (mm)  
850

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External depth (mm)  
700, 900

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Energy efficiency class

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D



# Tecto VF1 Luxo



Energy efficiency class

E-F

## KEY BENEFITS

- + Great product visibility
- + Optional glass end panels for better product visibility
- + Different cooling systems available
- + Low-energy fans for energy saving
- + LED lights for better internal illumination and energy efficiency
- + Black door frames available as option



External length (mm)  
795, 1565, 2345, 3125,  
3890

External height (mm)  
2010, 2210

External depth (mm)  
970





# Tecto CF1 Nardo

Freezer cabinets for premium products



## KEY BENEFITS

- + Spacious and compact sales space
- + Effective lighting and enhanced product display
- + Different cooling systems available
- + Low energy fans and glass lids as optional energy saving solutions

External length (mm)  
1875, 2500, 3750, 1468

External height (mm)  
2010, 2210

External depth (mm)  
1120\*, 1250

Energy efficiency class

G



\* Available in height 2210



# Tecto CL2

Versatile service line cabinets to fit any store



Energy efficiency class

E

## KEY BENEFITS

- + New ergonomic design
- + A complete range of cabinet models with a unique look
- + Ease of maintenance and cleaning
- + Increased display space



External length (mm)  
937, 1250, 1875, 2500,  
3750

External height (mm)  
900, 1200, 1500, 1750

External depth (mm)  
1170



# Tecto SL1 Gusto

Ergonomic and functional  
serve-over cabinets



## KEY BENEFITS

- + Wide range of display cases, cabinet models and accessories
- + Functional and ergonomic design
- + Ease of maintenance and cleaning
- + Reliability based on years of experience

External length (mm)

1875, 1250, 2500, 3750

External height (mm)

1180, 880

External depth (mm)

1160

Energy efficiency class

G







SNACKS

SNACKS

TAXI  
A. PEGNA

RYTHED

INSTANT NOODLES



# Tecto MD2 PI



Energy efficiency class

Open E-F, Doors B-D

One-stop-shopping cabinet to display an extensive product selection

## KEY BENEFITS

- + Large glass end panels promote products from every angle
- + Fits to any store format and concept
- + Suitable for multiple product categories
- + More sales on less floor space
- + Natural refrigerant R290



External length (mm)

993, 1300, 1935

External height (mm)

2050

External depth (mm)

880, 910

Open



E F

Doors



B C D

# CONVENIENCE



# Tecto SV2 PI Deli

Low height multideck ideal for fast-moving groceries



## KEY BENEFITS

- + Excellent lighting for exceptional good product visibility
- + Possibility to create more touch points for customers to increase sales
- + Integral design to combine refrigerated and ambient units
- + Simple and easy installation
- + Many model options for any store concept to optimise the use of floor space
- + Several branding, colour and accessory options

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External length (mm)  
600, 880, 1200

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External height (mm)  
1350

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External depth (mm)  
660

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Energy efficiency class

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E



# Tecto SV4 PI



Multiplexable multideck chiller, for the display of dairy products, fresh and pre-packed products

## KEY BENEFITS

- + Large glass end panels promote products from every angle
- + Fits to any store format and concept
- + Suitable for multiple product categories
- + More sales on less floor space
- + Natural refrigerant R290



External length (mm)  
993, 1300, 1935

External height (mm)  
1500

External depth (mm)  
880, 910

Energy efficiency class

Open D-E, Doors B



D  
E



B





# Tecto FL2 PI Aida

Versatile front line display cabinet for bakery products



External length (mm)  
600, 900, 1200

External height (mm)  
1300

External depth (mm)  
770



Energy efficiency class

C-E

## KEY BENEFITS

- + Versatile with several models from serve-over cabinets to bake off and self service models
- + Fits any store concept with wide range of glazing units
- + Effortless usage for both customers and staff
- + Beautiful styling and lighting present the most delicious looking products
- + Easy maintenance and cleaning
- + Excellent technical performance where a constant temperature is guaranteed, even for the most delicate pastry



# Tecto FI2 PI

Dual temperature panoramic island chiller & freezer for the display of ice-cream, frozen food and fresh products.



## KEY BENEFITS

- + Simple and easy installation
- + Ideal for branding or promotion from all angles
- + Durable plastic hand rails
- + Glass lids for energy saving
- + Maintenance and cleaning fast and easy
- + Castors for easy moving of the islands

External length (mm)  
1500, 1700, 2100

External height (mm)  
940

External depth (mm)  
840

Energy efficiency class

E-F



# Tecto CI1 PI & CI2 PI



An unique chiller island with moveable glass top for packed groceries like delicacies, meat, sausages and cheese

## KEY BENEFITS

- + Complete transparency of the upper section
- + Simple and sharp lines
- + Quick and easy to clean
- + Easy to integrate into any store format
- + Dual purpose cabinet
- + Reduced energy usage due to thermostatic expansion valves, EC-fans, high thermal insulation and big evaporators
- + Long life-cycle of cabinet due to galvanized and fully coated steel and metal parts
- + Castors for easy moving



External length (mm)

CI1

650, 937, 1250, 1875, 2500

CI2

650, 937, 1250, 1875

External height (mm)

CI1 945, 950, 990, 995

CI2 1150, 1195, 1240, 1430

External depth (mm)

CI1 710, 960, 1160

CI2 710, 960, 1160

Energy efficiency class

Open D-F, Glass lids C-D

Open



D  
E  
F

Glass lids



C  
D

# Tecto CI3 PI & CI4 PI



Energy efficiency class

Open E-F, Glass lids D

An unique chiller island with moveable glass top for packaged groceries.

## KEY BENEFITS

- + Complete transparency of the upper section
- + Simple and sharp lines
- + Large product presentation area, more products in smaller cabinets
- + Reduced energy usage due to thermostatic expansion valves, high thermal insulation and big evaporators
- + Low installation effort
- + Easy to clean



External length (mm)

CI3 1250

CI4 1250

External height (mm)

CI3 945, 995, 1150

CI4 1170, 1200

External depth (mm)

CI3 1530

CI4 940, 1140

Open



Glass lids







# TectoRack S

Energy efficient and ecological  
CO2 Power Packs



## KEY BENEFITS

- + Very small installation surface – extremely compact
- + Suction line filter for MT (LT on site installation)
- + Liquid line filter drier and sight glass
- + Heat exchanger for flash gas superheating
- + Safety valves mounted and connect together – one blow-off line
- + CE certified

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MT up to 45 - 75 kW and  
LT up to 0 - 14,5 kW

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Up to 3 MT compressors  
(one with frequency  
inverter)

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Up to 2 LT compressors  
(optionally one with  
frequency inverter)

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60 bar medium pressure  
receiver, 75 liter

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Switchboard included –  
completely tested

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# TectoRack M

Energy efficient and ecological  
CO2 Power Packs



## KEY BENEFITS

- + Very easy to use (without complicating functions)
- + Compound refrigeration systems with natural refrigerants R744 (CO2)
- + Modular installation of machine and medium pressure station
- + Insulation of all "cold" parts
- + Suction line filter for MT and LT
- + Liquid line filter drier and sight glass
- + LT suction line heat exchanger for superheating

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45 - 160 kW MT / 0 - 27  
kW LT

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Up to 4 MT compressors  
(one with frequency  
inverter)

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Up to 3 LT compressors  
(optionally one with  
frequency inverter)

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60 bar medium pressure  
receiver, 105 - 165 liter

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Switchboard included –  
completely tested

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# TectoRack L

Energy efficient and ecological  
CO2 Power Packs



## KEY BENEFITS

- + Interior and exterior installation
- + Flexibly selectable options
- + Modular installation of machine and medium pressure station
- + Medium temperature cooling, low temperature cooling, heat pump, air conditioning feature, parallel compression, ejectors

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100 - 290 kW MT / 0 - 60  
kW LT

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Up to 6 MT compressors  
(one with frequency  
inverter)

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Up to 5 LT compressors  
(optionally one with  
frequency inverter)

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60 bar medium pressure  
receiver, 165 - 250 liter

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Switchboard included –  
completely tested

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# TectoCell Standard Plus



Perfect ice-cold refrigeration

## KEY BENEFITS

- + For temperature ranges from -50 to +60 °C
- + Fully hygienic wall radii
- + High standard of hygiene thanks to the SmartProtec® antimicrobial surfaces
- + Walls hygienically overlap without any joints to prevent the collection of dirt or water
- + Optional easy clean design floor radius providing optimal hygiene
- + Anti-slip pressed floors in a variety of designs
- + Available in 80, 100, 120 and 150 mm wall thickness for different temperature levels meeting any cold and freezer storage needs



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Width (mm)

1500 - 6000

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Length (mm)

1200 - 12000

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# TectoCell Compact



Perfect ice-cold refrigeration



## KEY BENEFITS

- + For temperature ranges from -25 to +60 °C
- + Quick and easy installation thanks to the groove/tongue system with self-centring eccentric cams
- + Easy expansion and reassembly thanks to joints that require neither glue nor silicone
- + Viessmann joint-free and continuously underlapped stainless steel floors
- + Non-slip floor grouting in several versions
- + Standard sizes allowing shorter delivery times for your project

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Width (mm)  
1800 - 3600

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Length (mm)  
1200 - 12000

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# TectoRefrigo

Use the full refrigerating capacity and save energy



## KEY BENEFITS

- + Ceiling mounted units are well suited to areas where space is limited. They require no additional space on the coldroom floor area.
- + Easy to install wall mounted units make the best use of the available space, even with low ceilings.
- + Split units: individual sets for cold storage requirements with quick and flexible Plug&Play sets.



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Ceiling mounted units

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Wall mounted units

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Split units

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# Viessmann

The Viessmann Group is one of the leading international manufacturers of heating, industrial and refrigeration systems.

## VIESSMANN GROUP

### Company details

- Established in: 1917
- Employees: 12,300
- Group turnover: € 2.65 billion
- Export share: 56 percent
- 23 manufacturing sites in 12 countries
- Sales companies and representations in 74 countries
- 120 sales offices worldwide

### The comprehensive product range from the Viessmann Group for all energy sources and output ranges

- Boilers for oil or gas
- Combined heat and power units
- Heat pumps
- Wood combustion technology
- Biogas production plants
- Biogas upgrading plants
- Solar thermal systems
- Photovoltaic systems
- Accessories
- Refrigeration technology



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