PORKKA

SCIENTIFIC
Medical & Research

Vaccine Storage Rooms

WIC 10, 30, 40 | WIF 20 | WIC/WIF 40

ENG Technical datasheet

FESTIVO-PORKKA GROUP

PORKKA

Vaccine Storage

Five WI-models designed for vaccine storage

The PORKKA Vaccine cold room is suitable to freeze or refrigerate vaccine articles for medical service, scientific research, agricultural, biological and chemical industries to name a few.

Vaccine storage room's interior temperature can be controlled respectively within the range of +2˚~ +8˚C or -15˚~-25˚C. PORKKA Vaccine Storage refrigerated rooms size range is 10m^3, 30 or 40 m^3. Standard freezer room's size is 20m^3 and combined room's size total 40m^3.

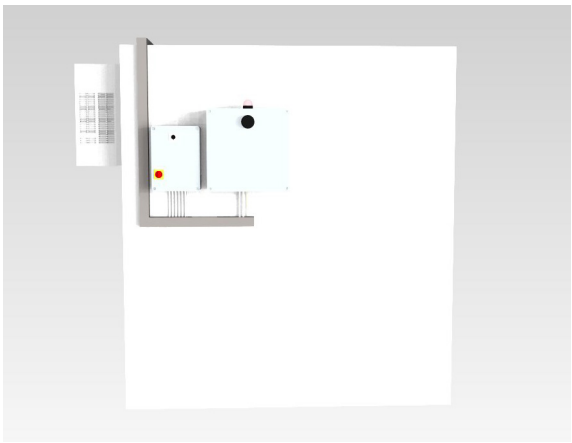
Features

- Dual refrigeration system
- Air cooled units, plug-in or split type
- Complete delivery for full site installation
- Cold room operating temperature +4˚C (max. ambient temperature +43˚C)
- Freezer room operating temperature –20˚C (max. ambient temperature +43˚C)
- Insulation material: CFC free polyurethane foamed in place to a density 40 kg/cbm
- Insulation thickness: Cold Rooms 100 mm, U-value 0.23 W/mK. Freezers 150 mm, U-value 0.15 W/mK
- Surfaces: hot-dipped galvanized steel sheet, with a white polyester coating. The floor clad with non-slip material.
- Heavy-duty doors: 800mm wide, 2000mm high.
- Fully adjustable shelving system, hygienic plastic slatted shelves supplied in 5 levels, 490mm deep.
- Tungsten lighting, external switch complete with pilot lamp
- Refrigerant: R452A (Cold rooms), R499A (Freezer rooms)
- Dial thermometer
- Plastic strip curtain on the doorway
- Alarm Unit

Options

- Extra shelves
- Spareparts package (2 years)
- Stainless steel panel and door surfaces

Porkka reserves the right to make any changes without prior notice.



PORKKA – Over 70 years of expertise

PORKKA Vaccine storage rooms are designed and manufactured by experts in the modern HUURRE factory in Finland. Huurre has designed and manufactured cold rooms over 70 year for customers all over the world.

Designed to meet your needs

PORKKA is continuously developing its professional and scientific products. We have designed with our customers five standard models for vaccine storage keeping in mind the changing conditions in the field.

For demanding installations you can also design your own Vaccine storage with our specialists.

Qualified with WHO's PQS (Performance quality safety) status

The WHO Performance, Quality and Safety (PQS) process prequalifies products and devices so that its member states and UN purchasing agencies are assured of their suitability for use in immunization programs.

The PORKKA Vaccine storage has been listed by WHO and we have delivered our rooms in all continents around the world.

Quick and easy installation

The cold rooms will be prefabricated walk-in type and be supplied with all necessary mechanical and electrical fittings and equipment for quick and easy installation in the field.

The delivery include all the documentation needed for the installation and the manuals for daily use.

Product safety

The complete refrigeration system will be supplied with essential spare parts per room, for two years operation. Our high quality polyurethane element production line brings the best elements in the market.

In case of failure the dual cooling unit system ensures operational reliability and your valuable medical products in safe.

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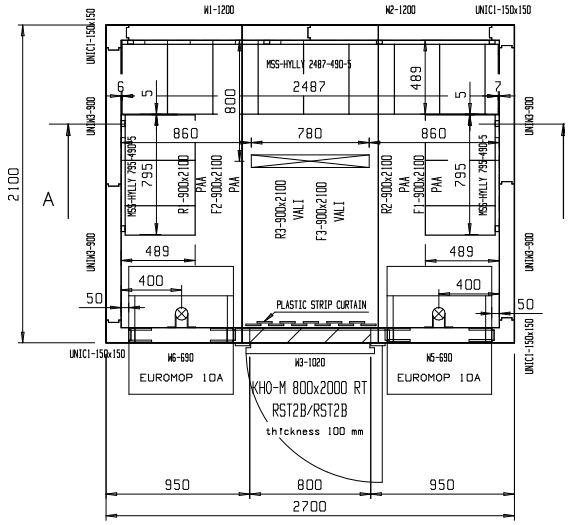
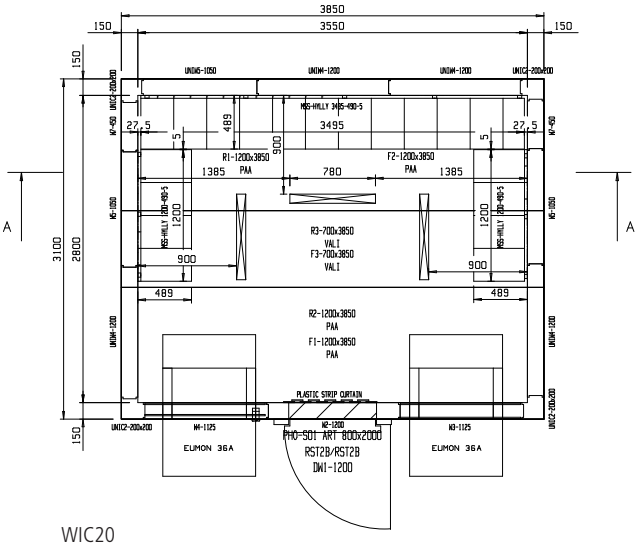
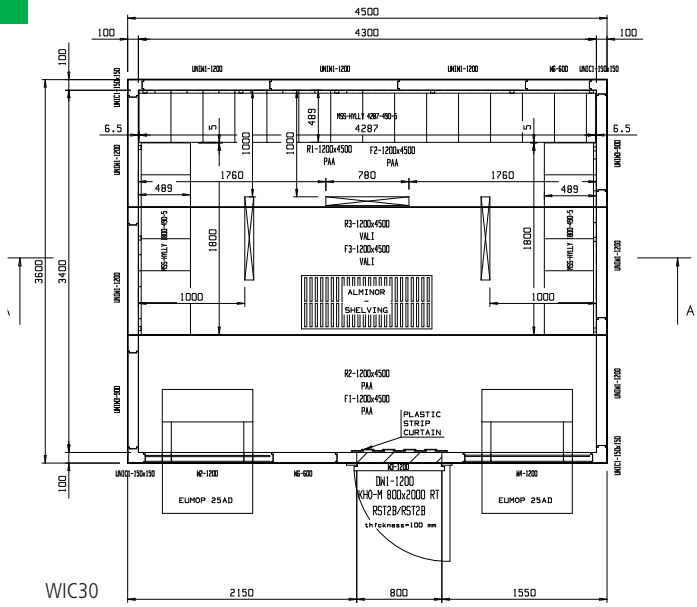


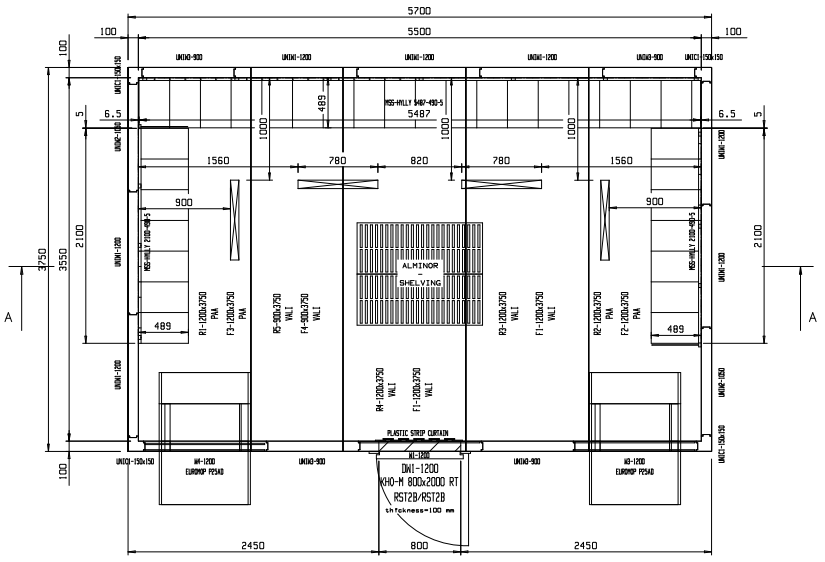
WIC10



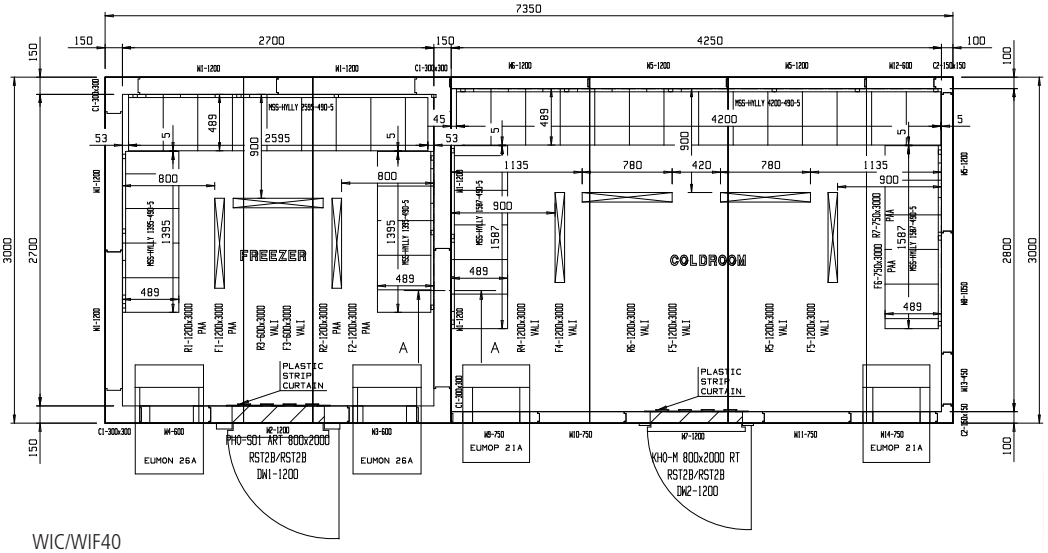
WIC20



WIC30



WIC40



WIC/WIF40

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Type	Cold room	Freezer room	Cold room	Cold room	Combined
ENCLOSURE CONSTRUCTION OPTIONS					
Model	**WIC 10**	**WIF 20**	**WIC 30**	**WIC 40**	**WIC/WIF 40**
Capazity (m^3)	10 m^3	20 m^3	30 m^3	40 m^3	40 m3 (25 m^3 cold room, 15 m^3 freezer)
Dimensions (W x D x H mm)	2700 x 2100 x2300	3750 x 3000 x 2300	4500 x 3600 x 2300	4700 x 3750 x 2300	7350 x 3000 x 2300
Wall & ceiling panel finish	Polyester coated steel	Polyester coated steel	Polyester coated steel	Polyester coated steel	Polyester coated steel
Panel insulation material	Polyurethane high density of 40kg/cbm	Polyurethane high density of 40kg/cbm	Polyurethane high density of 40kg/cbm	Polyurethane high density of 40kg/cbm	Polyurethane high density of 40kg/cbm
U-value (W/m^2K) 100 mm	0.23	0.23	0.23	0.23	0.23
U-value (W/m^2K) 150 mm	0.15	0.15	0.15	0.15	0.15
Chiller: Panel insulation thickness (mm)	100 mm	100 mm	100 mm	100 mm	100 mm
Freezer: Panel insulation thickness (mm)	150 mm	150 mm	150 mm	150 mm	150 mm
Panel connection system	Cam-lock	Cam-lock	Cam-lock	Cam-lock	Cam-lock
Floor panel finish	Glassfiber re-enforced anti-slip plywood	Glassfiber re-enforced anti-slip plywood	Glassfiber re-enforced anti-slip plywood	Glassfiber re-enforced anti-slip plywood	Glassfiber re-enforced anti-slip plywood
Shelve mounting	Wall	Wall	Wall / Self-standing	Wall / Self-standing	Wall
Shelving system	Fully adjustable	Fully adjustable	Fully adjustable	Fully adjustable	Fully adjustable
Shelving material	Hygienic plastic	Hygienic plastic	Hygienic plastic	Hygienic plastic	Hygienic plastic
Door opening (W x H mm), Insulation thickness (mm), Model	800 x 2000 100 M	800 x 2000 150 S01	800 x 2000 100 M	800 x 2000 100 M	**C + F:** 800 x 2000 **C:** 100 **F:** 150 **C:** M **F:** S01
Temperature zones	Hot/Temperate/Cold	Hot/Temperate/Cold	Hot/Temperate/Cold	Hot/Temperate/Cold	Hot/Temperate/Cold
EQUIPMENT OPTIONS					
Refrige. Units options	Monoblock / split	Monoblock / split	Monoblock / split	Monoblock / split	Monoblock / split
Duty sharing	Automatic / Manual changeover	Automatic / Manual changeover	Automatic / Manual changeover	Automatic / Manual changeover	Automatic / Manual changeover
Plume guard	Yes	Yes	Yes	Yes	Yes
Door frame heater	No	Yes	No	No	Yes
Pressure relief valve	Yes	Yes	Yes	Yes	Yes
Cold climate protection	Yes	Yes	Yes	Yes	Yes
Auto-defrost	Yes	Yes	Yes	Yes	Yes
Strip curtain	Yes	Yes	Yes	Yes	Yes
Surge protection	Yes	Yes	Yes	Yes	Yes
COOLING UNITS DETAILS					
Type	Mono Block or Split	Mono Block or Split	Mono Block or Split	Mono Block or Split	Mono Block or Split
Internal Temp. Range (°C)	+2…+8	-15…-25	+2…+8	+2…+8	+2…+8 /-15… -25
Ambient temp. (°C)	Max. +43	Max. +43	Max. +43	Max. +43	Max. +43
Power Supply	220V, 50Hz	220/380V, 50Hz	220/380V, 50Hz	220/380V, 50Hz	220/380V, 50Hz
Refrigerant	CFC-free R454A	CFC-free R499A	CFC-free R454A	CFC-free R499A	R454A (C) / R499A (F)
Fuse (A)	10	10	10	10	10 + 10
Temperature recording	Optional	Optional	Optional	Optional	Optional
Alarm system	Yes	Yes	Yes	Yes	Yes
STANDARDS, SERVICE AND WARRANTY					
Quality standard	ISO 9001 / ISO 14001	ISO 9001 / ISO 14001	ISO 9001 / ISO 14001	ISO 9001 / ISO 14001	ISO 9001 / ISO 14001
PQS code	WHO/PQS E001/001	WHO/PQS E001/001	WHO/PQS E001/001	WHO/PQS E001/001	WHO/PQS E001/001
Warranty	1 year	1 year	1 year	1 year	1 year
Installation and maintenance service	Advisory service	Advisory service	Advisory service	Advisory service	Advisory service
Country of origin	Finland	Finland	Finland	Finland	Finland

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PORKKA

SCIENTIFIC
Medical and Research

Porkka is an internationally recognized designer and manufacturer of professional refrigeration solutions. Key target industries include HoReCa, Medical and Research and Marine. Porkka's products are well known on its long life cycle, high quality and technical advantage.

Porkka is a brand of the Festivo-Porkka Group. Porkka brand is well known for its quality and reliability throughout the word. The success of Porkka is based on decades of experience, customer focused design and continuous product development. The materials used in Porkka products are as recyclable and eco-friendly as possible. The recyclability of our product is more than 95%.

CERTIFIED
ISO 9001 · ISO 14001
UKAS MANAGEMENT SYSTEMS
001

Porkka solutions are designed and manufactured according to a quality standard ISO 9001:2015, controlled and certified by Lloyd's Register Quality Assurance. Porkka also hold the environmental certificate ISO 14001:2015, issued also by LRQA. Festivo-Porkka Group reserves the right to make any changes without prior notice.

FESTIVO-PORKKA GROUP

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