

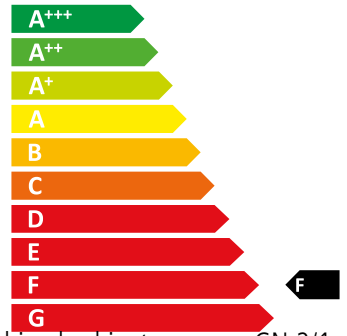
Technical brochure 2024

Inventus Combined Cabinets



Inventus C/C and C/F

2-doors combined chiller/freezer cabinets



Inventus C/F

Chiller and freezer cabinets from professionals to professionals

Inventus is a chiller and freezer collection developed for heavy use and demanding conditions. Professional kitchens and bakeries face different challenges compared to commercial restaurants or shops. For example, the higher temperature of a commercial kitchen environment requires more performance from refrigeration unit components and insulators. Inventus is also an excellent solution for store and café environments. The products in the Inventus family are made of high-quality and long-lasting components, and the solutions found in the product range are needed for every need.

Inventus 2-doors combined chiller/freezer cabinets. One size: 7 and two storage temperature ranges: C/C and C/F

Combined chiller/freezer cabinets are available in on size - 2-doors Inventus 7. Two temperature ranges: C/C and C/F.

Inventus combined cabinets can use GN 2/1 depth shelves, baskets and GN containers or two GN 1/1 containers in a row. Inventus cabinets utilize high-quality stainless steel AISI 304.

The cabinet has 2+2 coated wire shelves as standard, one of which is a standard shelf and the other is a bottom shelf.

Additional functionalities and accessories for Inventus combined cabinets

Various additional functionalities and accessories can be utilized, such as wheels instead of legs.

The Inventus combined cabinet product range offers solutions for many different needs. Combined cabinets are also available in central cooling versions.

Inventus C CC/F-model consists of a central cooling chiller C upper cabinet and a plug-in freezer F compartment below it.

Features


- Control unit with clear numeric display for temperature and other functions
- Key lock
- Can be connected to a remote system via an optional adapter
- Minimum and maximum temperature recording
- Visual "high temperature" and "low temperature" alarm
- Visual alarm of a broken sensor
- Visual alarm of a clogged condenser
- Door switch for luminaire and fan control and Door open alarm
- The outer surface is made of stainless steel, the inner surface is made of stainless steel (AISI 304 austenitic stainless steel)
- Anti-tilt shelf supports
- Molded environmentally friendly HFC-free polyurethane insulation
- Combined cabinets are dimensioned for GN 2/1 and GN 1/1 containers and the vessel is in depth. Instead of one GN 2/1 container, two GN 1/1 containers can be used in succession
- 2+2 painted wire rack shelves: Bottom shelf and a standard shelf that can be adjusted in 30 mm increments
- Lockable door and lock placed at a practical height in the beam between the doors
- Tool-free replaceable magnetic seal and durable spring hinges to keep the door open at a 90-degree angle
- Efficient and energy-saving cooling system with R290
- The CC CO2 model does not include an expansion valve

- Defrost water evaporation as standard, drainage as an accessory
- Stainless steel legs, adjustment range 130 mm – 205 mm
- Power supply 230 V - 50/60 Hz

Additional functionalities and accessories

- Electronic iLOQ locking system
- Central machine connection capability also for R744 systems
- Stainless steel wire shelf
- Stainless steel panel shelf
- Stainless steel basket shelf
- Wheels instead of legs, two lockable, not available for CC-models
- Short legs instead of long legs, adjustment 70 mm - 105 mm
- LED light upper and lower cabinet
- Footpedal door opener

Technical data, combined cabinets

INVENTUS		C/C 7		C/F 7	
		UPPER	LOWER	UPPER	LOWER
Energy efficiency class				-	
Energy efficiency index (EEI)		89,14		-	
Energy consumption, 24h (E 24h)	kWh	3,02		-	
Annual energy consumption	kWh	1102		-	
Electricity cost in 8 years (0,20 € / kWh)	EUR	1763		-	
Volume, gross	L	218	251	218	251
Volume, net	L	189	221	189	221
Total volume, brutto/netto	L	469/410		469/410	
Climate class		4		4	

These appliances are intended for use in ambient temperatures up to 40 °C

External width	mm	730		730	
External depth	mm	870		870	
External height/standard legs	mm	2100		2100	
External height/short legs	mm	2050		2050	
External height/castors	mm	2080		2080	
Internal width	mm	535		535	
Internal depth	mm	675/450	675/450	675/450	675/450
Internal height	mm	650/505	745/600	650/505	745/600
Shelves (2+2 pcs), width	mm	531		531	
Shelves, depth	mm	660		660	
Maximum load / shelf	kg	70		70	
Maximum load / cabinet	kg	280		280	
Ambient temperature range	°C	+10...+40		+10...+40	
Storage temperature range	°C	+1...+12	+1...+12	+1...+12	-26...-15
Plug-in model:					
Weight, gross	kg	159		160	
Weight, net	kg	149		150	
Nominal power	W	300		420	
Cord length	m	3		3	
Refrigerant, R290	g	100	100	100	90
Fuse, slow	A	10		10	
Voltage/Frequency		230 V - 50/60 Hz		230 V - 50/60 Hz	
Sound pressure level (1m)	dB(A)	< 50		< 50	
Defrost method		Off-cycle	Off-cycle	Off-cycle	Hot gas

		C CC / C CC 7	C CC / F CC 7	C CC / F plug-in 7
Central cooling -model R452A, R744 (C02)				
R452A, R448A, R449A, R407C, R455A				N/A
R744				N/A
R744 CAREL **		*		N/A
R134a / R513A (C central cooling / F Plug-in model)		N/A	N/A	
Weight, gross	kg	135	139	155
Weight, net	kg	125	129	145
Heat extraction rate	W	400	250	400
Evaporation temperature	C	-10	-28	-10/-28
Maximum allowable pressure PS R452A/R744	Bar	34/60	34/60	-
Nominal power	W	180	520	450
Voltage/Frequency		230 V - 50/60 Hz	230 V - 50/60 Hz	230 V - 50/60 Hz
Defrost method		Off-cycle	Off-cycle C Electrical F	Off-cycle C / Hot gas F

Nanoksi Fotoni photocatalysis coating is an effective and harmless protection against microbes. It has been proven to destroy viruses, bacteria and molds on all surfaces. Nanoksi Fotoni coating available as an accessory for the control panel and door handle.



* These R744 Carel versions are always delivered with defrost heaters

** Carel version includes R744 cabinet plus Carel driver, expansion valve and solenoid valve factory installed

Inventus combined cabinets - factory installed accessories

Code	Accessory
APC12100	TTL-ADAPTER
APF12010	iLOQ S10 ELECTRONIC LOCK + ONE KEY
APM20605	S10 ADDITIONAL KEY
API10142	STAINLESS STEEL PANEL SHELF 7, 530 X 650 MM
API10140	STAINLESS STEEL WIRE SHELF 7, 530 X 650 MM
API10141	COATED WIRE SHELF 7, 530 X 650 MM
API10143	STAINLESS STEEL BASKET SHELF 7
APF13200	4 PCS SHORT LEGS INSTEAD OF LONG LEGS, ADJUSTMENT 70 MM TO 105 MM
APF13800	4 PCS CASTORS INSTEAD OF LEGS , TWO LOCKABLE (NOTE! NOT AVAILABLE IN CC-MODELS)
APF13401	SHORT MARINE LEGS INSTEAD OF LONG LEGS, ADJUSTMENT 70 MM - 105 MM
APF13400	MARINE LEGS INSTEAD OF LONG LEGS, ADJUSTMENT 130 MM - 205 MM, 4 KPL
API20103	LED LIGHTS UPPER AND LOWER CABINET
APF19045	NANOKSI FOTONIT COATING FOR THE CONTROL PANEL AND DOOR HANDLE
APF12400	FOOT PEDAL DOOR OPENER (LOWER DOOR ONLY)
API10090	HYGIENIC ROOFING WITH FILTER

PORKKA

Porkka Finland Oy is an internationally renowned designer and manufacturer of professional refrigeration solutions. The main areas of activity are HoReCa, medical and research and marine. Porkka is part of the Finnish Festivo-Porkka Group.

The Porkka brand is known for its quality and reliability - the long life cycle of the products, high quality and technical know-how. Porkka's success is based on decades of experience, customer-centric design and continuous product development. The materials used in Porkka products are as recyclable and environmentally friendly as possible. The recyclability of our products is over 95%.



Porkka's solutions are designed and manufactured in accordance with the quality standard ISO 9001: 2015. Porkka's quality system has been certified by Lloyd's Register. Porkka also has an environmental certificate ISO 14001: 2015 issued by LRQA.

We reserve the right to make changes without prior notice.