Appliance Documentation

FKv 502

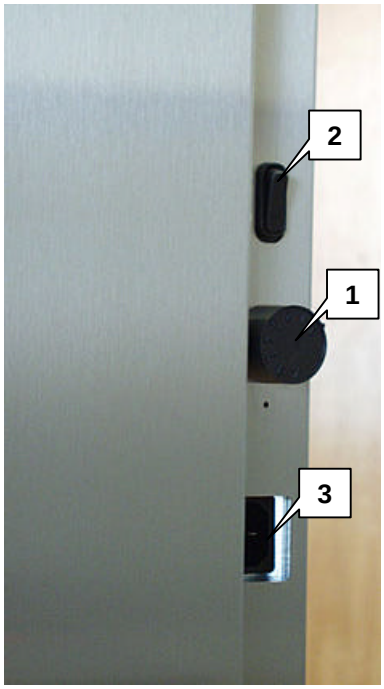
from Index 20

Drinks refrigerator, ventilated, Profi PremiumLine

Contents

1.0 Operating and control elements

The control elements are mounted on the side of the rear cover!



1 Temperature controller
2 Switch for interior light
3 Appliance plug (plug and play)

2.0 Functions at a glance

Control:	Electronic control system (electronic thermostat)
Temperature display:	None
Setting range:	+2°C to +12°C
Cooling:	Dynamic
Defrosting:	Automatic
Interior light:	Fluorescent tube on the ceiling of the inner liner
Refrigerating system:	Standard compressor
Glass door:	Lockable, right-hand hinge (not interchangeable), k value 1.1

3.0 Description of the appliance (in brief)

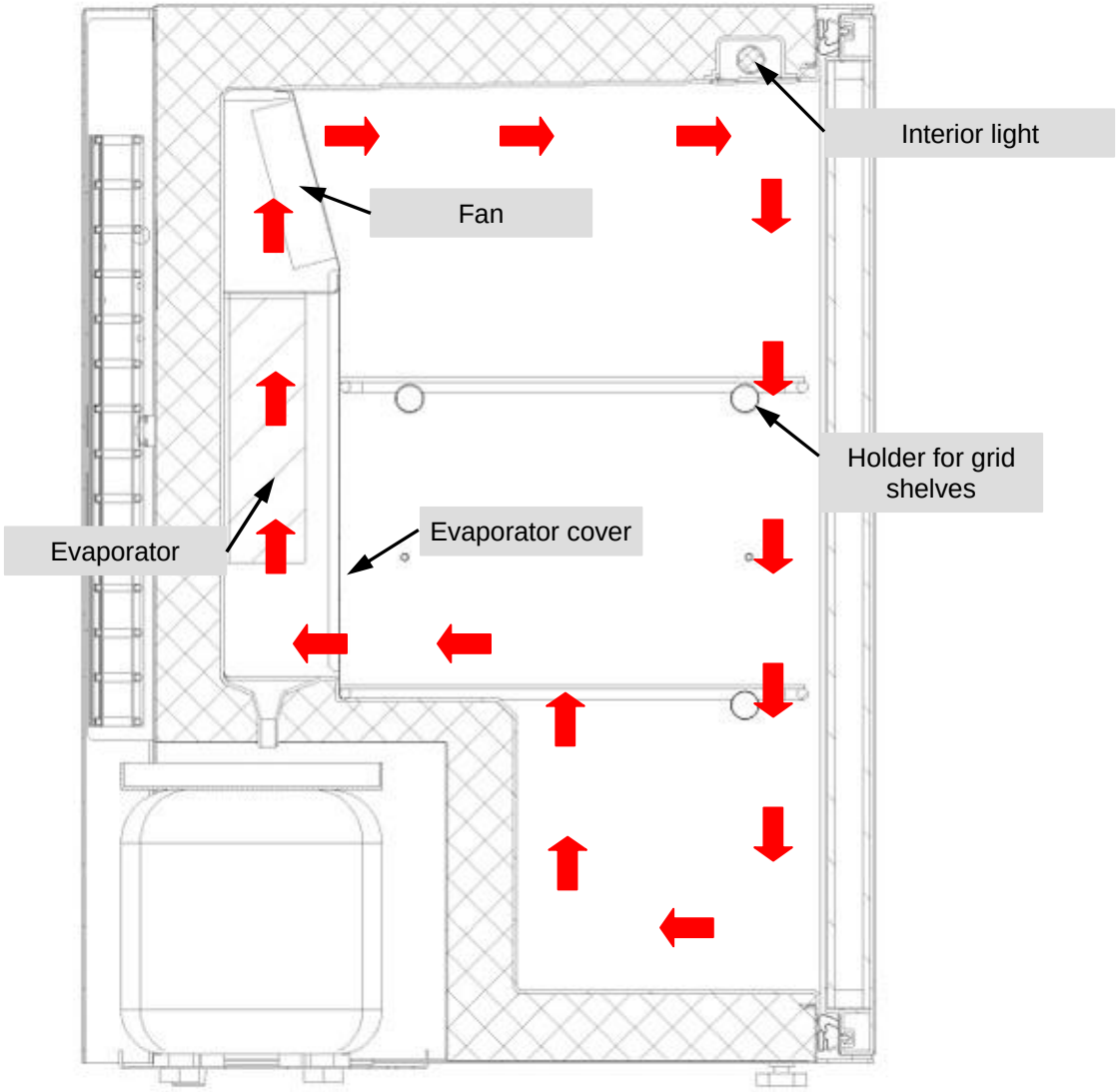
Heat energy is withdrawn from the interior by means of lamellar evaporator. The evaporator is located behind a stainless steel cover.

A fan provides for uniform temperature distribution and more rapid cooling in the interior. It runs permanently.

The defrosting is performed automatically each time the compressor is at a standstill. The water is conducted out of the appliance and collected in an evaporation tray placed on the compressor. The water is evaporated as a result of excess compressor heat.

The appliance can be placed on a counter, for instance, or hung on the wall.

3.1 Schematic diagram - side view



3.2 Real view inside the appliance

4.0 Control and functional components

Temperature control:	Position:	- At the side on the rear cover.
	Function:	- Electronic thermostat switches the compressor on and off (0 position).
Air sensor:	Position:	- Clipped on the right-hand side wall behind the evaporator cover.
	Function:	- Depending on the sensor the compressor switches on and off.
Setting range:	+2°C to +12°C	
Switch for interior light:	Position:	- At the side on the rear cover.
	Function:	- Switches the interior light on and off.
Interior fan:	Position:	- Top back of the appliance (on the rear of the evaporator cover).
	Function:	- Runs permanently, as soon as the appliance has been switched on.
Interior light:	Position:	- At the front in the ceiling of the inner liner.
	Function:	- Is permanently lit as soon as the switch is set to ON.
Condenser fan:	Position:	- In the compressor niche next to the compressor.
	Function:	- Takes in air at the bottom and blows it upwards over the condenser.

5.0 Refrigeration circuit

Evaporator:	Lamellar evaporator
Condenser:	2-layer wire-on-tube condenser
Compressor:	Standard compressor
Refrigerant:	R600a

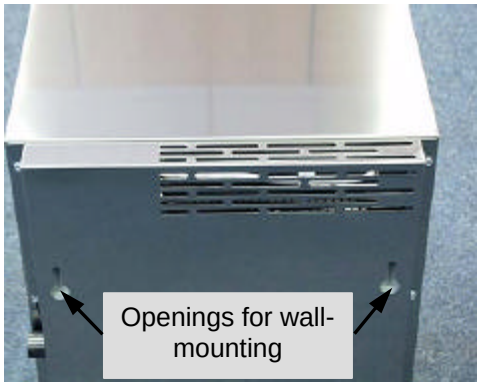
6.0 Special features

6.1 Plug and play

The mains cable accompanies the appliance and has to be connected to the appliance plug.

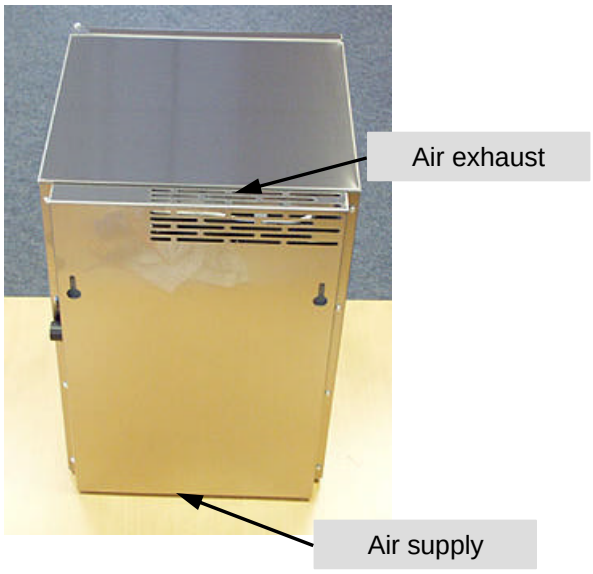
6.2 Wall-mounting

The appliance can be hung on the wall.



6.3 Air supply and exhaust

The clearance above the appliance must be 20 cm (or air exhaust similar to a built-in appliance).



7.0 Parts replacement

7.1 Replacing the electronic control system

Rear wall: Covers all the components on the rear and has to be detached.

Control elements: Are mounted on a bracket. Remove fastening nut and detach electronic control system.

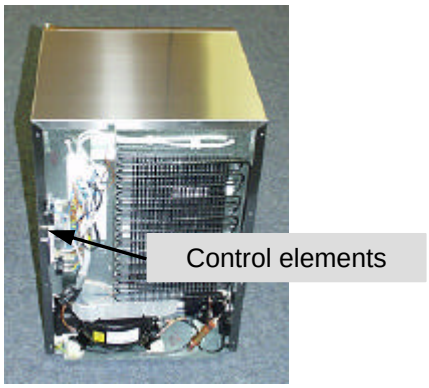


Fig. 7.1 / 1 Rear wall detached

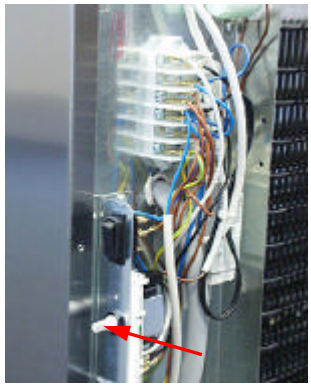


Fig. 7.1 / 2 Fastening nut

7.2 Replacing the sensor

Secured by 4 screws on the inner liner - remove - fold cover upwards.

Clip sensor from holder and draw through the rear wall.

Fig. 7.1 / 3 Electronic control system

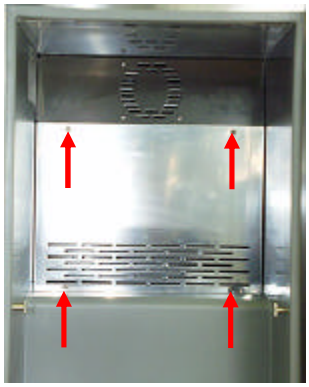


Fig. 7.2 / 1 Evaporator cover

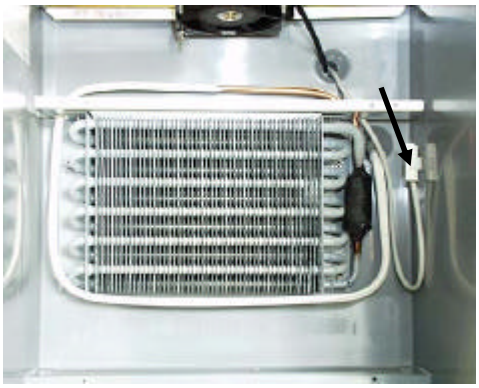


Fig. 7.2 / 2 Sensor

7.3 Replacing the interior fan

Evaporator cover: Secured by 4 screws on the inner liner - remove.

Fan: Remove cable tie and disconnect lead. Remove cover together with fan. Replace fan.

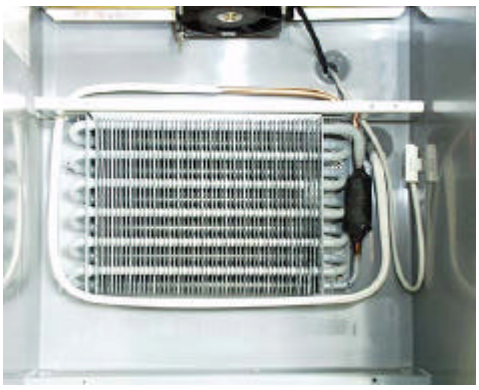


Fig. 7.3 / 1 Evaporator cover folded upwards

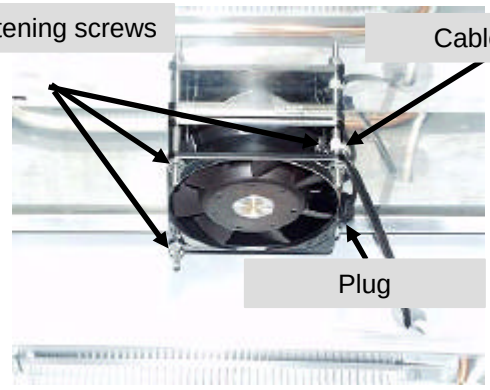


Fig. 7.3 / 2 Interior fan

7.4 Replacing the condenser fan

Fan: Disconnect lead and detach fan.

Fig. 7.4 / 1 Rear wall detached

Fig. 7.4 / 2 Fan

8.0 Technical data

Thermostat:	WARM on: WARM off: COLD on: COLD off:	+16°C +13°C +3°C -2°C
Interior light:	Wattage: Voltage:	8 watts 230 volts
Interior fan:	Wattage: Voltage:	8 watts 220 - 240 volts

Sensor temperature °C	Resistance value kOhm
-10	54.5
-9	51.7
-8	48.8
-7	46.7
-6	44.3
-5	42.1
-4	40.0
-3	37.9
-2	36.2
-1	34.4
0	32.6
1	31.0
2	29.5
3	28.0
4	26.8
5	25.4
6	24.3
7	23.1
8	21.7
9	20.9
10	19.9
11	18.9
12	18.0
13	17.4
14	16.5
15	15.7
16	15.0
17	14.3
18	13.8
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