

SAFETY INFORMATION

In this manual and on your appliance we have provided many important safety messages. Always read and obey all safety messages. Franke reserves the right to make modifications to the product without prior notice. All information correct at time of issuance.



This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.



Risk of injury!

- ▷ This device is not a toy.
- ▷ Keep children and pets away from the device and the packaging material e.g. plastic film and polystyrene; it can be dangerous, dispose of it in a proper way.

- ▷ Do not leave children near the device unattended.
- ▷ Do not let children play with the device.



Risk of burns!

During use the appliance becomes hot. Care should be taken to avoid touching the hob.

WARNING: Accessible parts may become hot during use. Young children should be kept away. Children less than 8 years of age shall be kept away unless continuously supervised.

- ▷ Ensure the gas type and supply is compatible with appliance specifications. The hob was developed exclusively for non-professional, domestic use in the household only.
- ▷ The type of gas for which the appliance is arranged is specified on the dataplate on the bottom of the tray.
- ▷ Prior to installation, ensure that the local distribution conditions (nature of the gas and gas pressure) and the adjustment of the appliance are compatible
- ▷ This appliance is not connected to a combustion products evacuation device.

It shall be installed and connected in accordance with current installation regulations. Particular attention shall be given to the relevant requirements regarding ventilation

- ▷ The adjustment conditions for this appliance are stated on the label (or data plate).
- ▷ Pay particular attention to the applicable regulations on ventilation.
- ▷ After use, switch off the hob by its controls.
- ▷ Make sure the burners are cold before closing the lid, if the appliance has one.



Risk of electric shock due to entering liquid!

The device contains electrical components.

- ▷ Make sure that no liquid enters the interior of the device.
- ▷ Do not use pressurised steam to clean the device.
- ▷ In the event of the burner flames accidentally extinguished, turn off the burner control and do not attempt to reignite the burner for at least 1 min.
- ▷ The device shall not be operated for more than 15 seconds if after 15 seconds the burner has not lit, stop operating the device and open the compartment door

and/or wait at least 1 minute before attempting a further ignition of the burner.

- ▷ Ensure that the device is installed in a way that allows to disconnect it from the power supply, with a contact opening distance (3 mm) that ensures complete disconnection in category III overvoltage conditions.
- ▷ Ensure that the appliance is connected to an earthing system in compliance with the current regulations.



CAUTION: The use of a gas cooking appliance results in the production of heat, moisture and products of combustion in the room in which it is installed.

- ▷ Ensure that the kitchen is well ventilated especially when the appliance is in use: keep natural ventilation holes open or install a mechanical ventilation device (mechanical extractor hood).
- ▷ Do not operate the appliance with an external time switch or a separate remote control system.

CAUTION: The cooking process has to be supervised. A short term cooking process has to be supervised continuously.

- ▷ Do not use steam cleaners or direct jets of water.
- ▷ Never use scouring pads, steel wool, muriatic acid or other products which could scratch or mark the surface.
- ▷ Never use sharp objects, as they could damage the seals between the trim and worktop.
- ▷ Ensure the gas outlet zones are perfectly clean.
- ▷ These instructions are only valid if the country symbol appears on the appliance. If the symbol does not appear on the appliance, it is necessary to refer to the

technical instructions which will provide the necessary instructions concerning modification of the appliance to the conditions of use of the country.



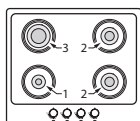
Risk of fire!

- ▷ Do not store items on the cooking surfaces.

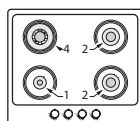


WARNING: Unattended or automatic cooking on a hob with fat or oil can be dangerous and may result in fire. Hot oil ignites readily.

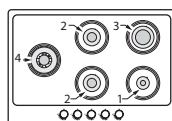
TECHNICAL DATA



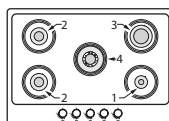
FHSM 604 4G



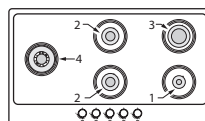
FHMA/FHSM 604 3G DC



FHMA 755 4G DCL



FHSM/FHMA 4G 755 DC



FHMA/FHSM 905 4G DCL

Position	Burner	Rated Capacity - G20	Injectors G20 - 20 mbar	Rated Capacity - G30	Rated Capacity - G31	Injectors G30/ G31 28-30/ 37 mbar	Rated Power (Kw)	Reduced Power (Kw)
4	DC	0,315	1,35	240	240	0,91	3,3	2,10
3	R	0,286	1,15	218	218	0,85	3	1,30
2	SR	0,166	0,97	127	127	0,65	1,75	0,70
1	AUX	0,095	0,72	73	73	0,50	1	0,65
Pressure (mbar)	min	17	20	25				
	nom	20	28-30	37				
	max	25	35	45				
Type of Gas	G20 natural gas			LPG G30 Butane G31 Propane			Cat. II 2H3+	

*ALL FHMA MODELS

MODELS'S CONFIGURATION

MOD.	nr AUX	nr SR	nr R	nr DC	N burners	Heat Source	Total Rated Capacity G20 (m ³ /h)	Total Rated Capacity G30/G31 (g/h)	Air Necessary for combustion (m ³ /h)	Tot. Installed Gas Rated Power (kW)	Tot. Installed LPG Rated Power (kW)	Weight (net - gross) (kg)
FHSM 604 4G	1	2	1		4	GAS	0,713	545	15	7,5	7,5	8-9,4 (C) 7,1-8,5 (E)
FHSM 604 3G DC	1	2		1	4	GAS	0,742	567	15,6	7,8	7,8	8-9,4 (C) 7,1-8,5 (E)
FHSM 755 4G DC	1	2	1	1	5	GAS	1,028	785	21,6	10,8	10,8	10,5-12(C) 8,9- 10,4 (E)
FHSM 905 4G DCL	1	2	1	1	5	GAS	1,028	785	21,6	10,8	10,8	14- 15,7 (C) 12,5-14,2(E)
FHMA 604 3G DC	1	2		1	4	GAS	0,742	545	15,6	7,8	7,5	8,8-10,2 (C)
FHMA 755 4G DC	1	2	1	1	5	GAS	1,028	764	21,6	10,8	10,5	11,5-13 (C)
FHMA 755 4G DCL	1	2	1	1	5	GAS	1,028	764	21,6	10,8	10,5	11,5-13 (C)
FHMA 905 4G DCL	1	2	1	1	5	GAS	1,028	764	21,6	10,8	10,5	14,5-16,2 (C)

DC = Double Crown SR= Semi-Rapid R = Rapid AUX=Auxiliary C = Cast Iron Grid E = Enameled Grid
Power supply = 220-240 V; Frequency = 50-60 Hz; Power/current = 0,6 Watt

INSTALLATION



Installation and electrical/gas connection must only be carried out by specialized and licensed personnel.

The manufacturer declines any liability for injury to persons or damage to things due to failure noncompliance with these provisions. The gas connection must comply with the regulations in force in the country at the time of installation.

- ▷ Ensure that the device is connected directly to the mains socket. Ensure that no adapters, no multi-sockets and no extension cables are used to connect the device.

Cabinet requirements

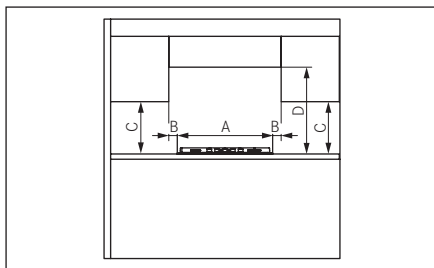
This handbook refers to a class 3 built-in gas hob and type Y for electric part. The gas pipe must not come into contact with the sides of any oven under the hob. For fitted units, the components (plastic materials and veneered wood) must be assembled with heat-resistant adhesives (min. 100°C): Unsuitable materials and adhesives can result in warping and detachment.

The Ventilation of rooms must be in compliance with local regulation.

The kitchen element must allow sufficient room for the electrical connections of the appliance.

Important: These devices are „Y“ type with respect to the degree of protection against the dangers of fire. The minimum distance from the edge appliance is 150 mm for the side wall, 50 mm for the rear and 700 mm for any cabinets above it. The appliance is recommended to be built into 40 mm thick worktops. In case the dimensions are different, eventual modifications have to be managed by the technician.

Note: if a hood is installed above the hob, for the distance to be respected refer to the assembly instructions of the hood.

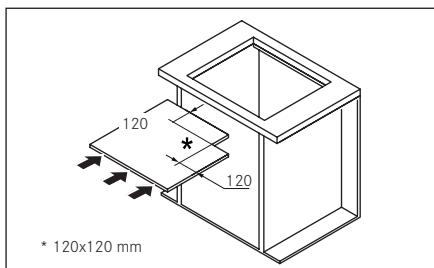


MINIMUM DIMENSIONS (MM)

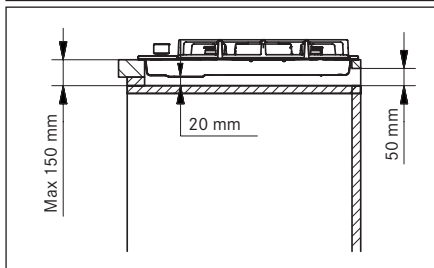
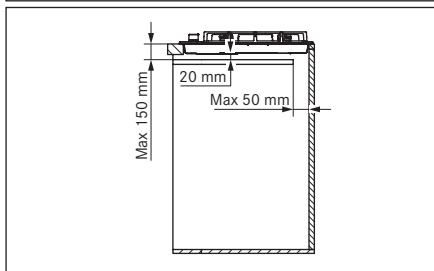
A = 590/730/880 B = 50

C = 400 D = 700

- ▷ If the appliance is not installed above an oven: arrange a separator baffle.



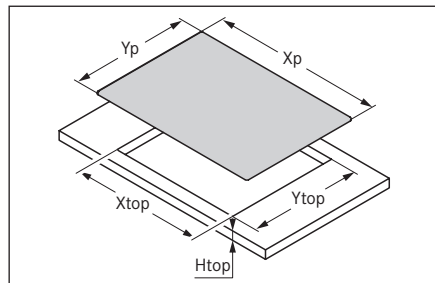
* 120x120 mm



Installation procedure

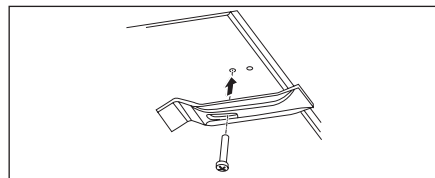
The appliance is fixed to the unit by means of the brackets and accessories provided.

- ▷ Make sure that there is free access to the fixing elements in front and in the rear after the installation of the appliance.
- ▷ Prepare the hole in the worktop according to the dimensions indicated. Be sure to comply with the dimensions indicated.



Model	Xp	Yp	X _{top}	Y _{top}	H _{top}
FHSM 604 3G DC	590	510	560	480	40
FHSM 604 4G	mm	mm	mm	mm	mm
FHMA 604 3G DC					
FHSM 755 4G DC	730	510	560	480	40
FHMA 755 4G DC/DCL	mm	mm	mm	mm	mm
FHSM 905 4G DCL	880	510	840	480	40
FHMA 905 4G DCL	mm	mm	mm	mm	mm

- ▶ Apply the sealing strip around the hole and position the hob.
- ▶ Fix the appliance with the screws and brackets.
- ▶ Remove any excess sealing strip.



Connection to gas supply

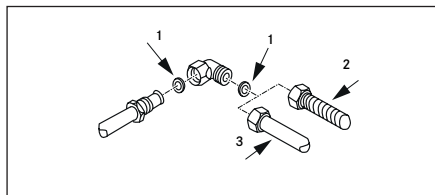
- ▶ Connect the appliance to the gas supply in compliance with the current regulations, only after making sure it is arranged for the type of gas to be used. Otherwise, carry out the operations described in the paragraph „Replacing injectors“.
- ▷ For liquid gas use pressure regulators complying with the current regulations.

Connection to the gas supply can be made in two ways:

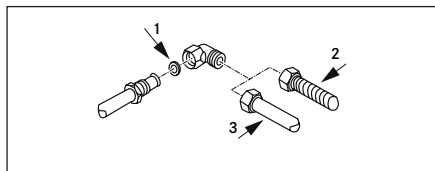
- A.** Connect the gas hob using a 12 mm diameter rigid copper pipe (3). To ensure a good seal, use the elastomer gasket supplied as an accessory (1).
- B.** Connect the hob using a continuous-surface flexible steel tube (2). Also in this case, to ensure a good seal use the gasket supplied as an accessory (1). The maximum length of the hose is 2 linear metres.

Important: if a stainless steel hose is used, it must be installed so as not to touch any mobile part of the furniture. It must pass through an area where there are no obstructions and where it is possible to inspect it on all its length.

- ▶ After connection to the gas supply light up the burners and turn the knobs from max position to minimum position to check flame stability.
- ▶ After carrying out the connection use soapy water to check for any leaks.



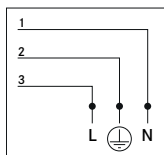
For United Kingdom, Northern Ireland and Republic of Ireland.



Electrical connection

The FRANKE cooking hob comes with a 3-core power cable with free terminals.

- ▶ Ensure the following:
 - The characteristics of your household electrical power supply (voltage, maximum output and current) are compatible with those of your FRANKE hob.
 - The plug and the socket can be easily reached and are positioned so that no live part is accessible when inserting or removing the plug.
 - A 3 x 0.75 mm² H05RR-F type cable for completely gas hobs is used when replacing the power cable.
 - The terminals of two appliances are not connected to the same plug.
 - The polarities of the free terminals (Blue = Neutral = (1) / Yellow and Green = Earth = (2) / Brown = Live = (3)) are respected.

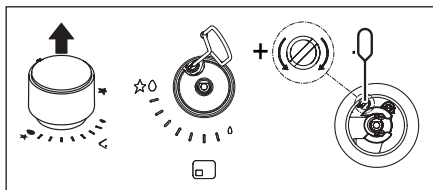


Adjustment to different types of gas

WARNING: This operation must be performed by a qualified technician.

Minimum flame adjustment

- ▶ Remove the knob.
- ▶ Insert the screwdriver between the gasket and the cover until it reaches the adjustment screw.
- ▶ Adjust the minimum flame by turning the screw clockwise to decrease the flame and anticlockwise to increase it. The screwdriver for adjustment is supplied with the accessories.



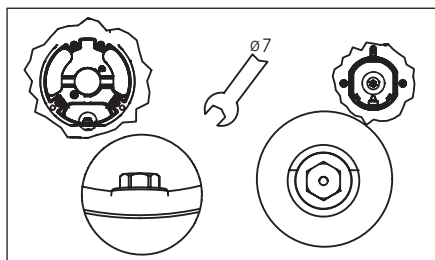
Replacing injectors

Not supplied injectors must be requested to the customer service.

Important: All the appliances are factory-set for natural gas (G20). If a different type of gas is to be used, change the injectors as follows:

- Remove the grids, burner caps and flame-spreaders;
- Unscrew the injectors and replace them with those provided and suitable for the gas supply, making sure the marking matches that given in the table;
- Refit the flame-spreaders, burner caps and grids.

These burners do not require air adjustment.



Accessing the hob

To access the tray containing the functional parts, proceed as follows:

- Remove the grids, burner caps and flame-spreaders;
- Remove the knobs, sliding them off their pins;
- Remove the screws that fix the burners to the hob;
- Lift the hob.

Important: When converting the appliance to a different type of gas, place the corresponding sticker (supplied as an accessory) in the special space on the data plate. For operation with LPG (G30 or G31), the minimum flame adjustment screw must be fully screwed down. These appliances are supplied in cat. II 2H3+.

INTENDED USE

CAUTION: This appliance is for cooking purposes only. It must not be used for other purposes, for example room heating.

- ▷ Do not pull the appliance or the power cable to unplug it.
- ▷ Close the general gas supply cock when the hob is not in use.



Risk of burns!

- ▷ Do not touch the pot grids during use.
- ▷ Do not touch the appliance with wet parts of the body.





Lighting the burners

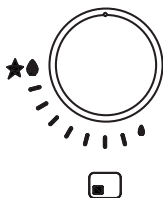
The hob is lit with the control knobs. To light the burners, proceed as follows:

- Press and turn the required knob to the lighting and max delivery position.
- Keep the knob pressed down for 3-4 seconds to allow the sparks to ignite the gas coming out the burner and to allow the thermocouple to heat up.

Then release the knob and, turning it anticlockwise, adjust the flame as required.

If the flame does not stay lit, repeat the operation from step 1.

Knob icon	Function
	Off
	Minimum flame
	Lighting and maximum flame
	Cooking zone



The hob is an item for daily use: signs of usage such as scratches or visible material abrasion from pots or cookware are normal. Intensive use leads to more distinctive signs of usage. In such cases, the appliance continues to function perfectly and a complaint is not justified. Safety is always guaranteed.

- ▷ Do not use the appliance as support top.
- To avoid damaging the appliance:
- ▷ In the case of thermal failure, switch the solid plate off and allow to cool down completely.
- ▷ Do not put any dishes on it. Do not cool with cold water under any circumstances.
- ▷ Do not climb onto the appliance.

The appliance is manufactured in compliance with the relevant effective safety standard and safety requirements of Gas Directive.

Automatic Safety Valve

These hobs have a safety device that automatically closes the gas flow if the flame accidentally goes out due to draughts, pot spilling, or a temporary interruption of the gas supply. This device is activated approx. 30 seconds after the flame goes out.

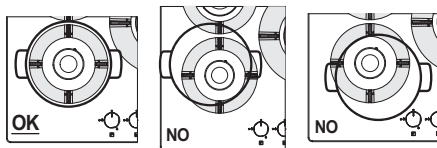


Fig. 1

Burner use

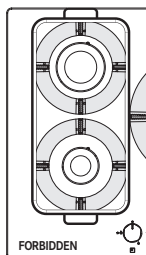
For lower gas consumption and better efficiency use pots of widths suitable for the burners, making sure the flame does not go beyond the edges (comply with the following table):

Burner	Pan bottom min-max. Ø (recommended)
Double Crown	160 - 240 mm
Rapid	140 - 220 mm
Semi-Rapid	140 - 200 mm
Auxiliary	60 - 140 mm

The use of larger pots than those specified can cause excessive overheating of the knobs and top and, in case of prolonged use, yellowing of the cover (if in stainless steel). FRANKE declines any liability for damage due to such use (Fig. 1).

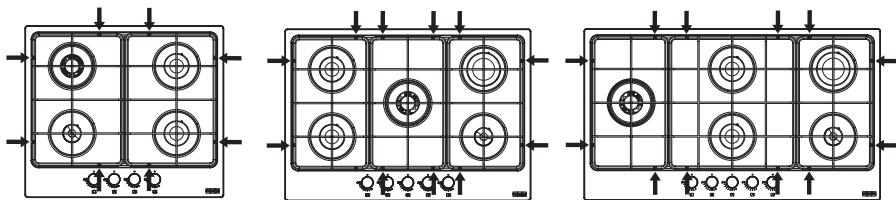
- ▷ Do not put the same pan on two burners (Fig. 1).
- ▷ Do not use two burners working at the same time with a single container, like a saucepan or a fish pan (Fig. 1).
- ▷ Improper use of the grids can damage the hob: do not position the grids upside down or slide them across the hob.
- ▷ In case of use of cast iron griddles, ollar stones, terracotta pots and pans, use them for no more than 20 minutes and, in case of prolonged cooking, adjust the burner to the minimum.
- ▷ Heat diffusers such as metal mesh, or any other types are not recommended.

CAUTION: The use of particular pans or pots may cause a light temporary deformation of the steel cooking surface. This is normal and does not affect the operation of the appliance.



Correct position of the grids

Be sure to place the grids with the rubber feet in the right position as indicated by the arrows in the pictures below:



CLEANING AND CARE



Risk of burns!

- ▷ Do not clean the appliance and its accessories until they are cold.
- ▷ Do not use flammable liquids near the appliance.

Before performing any cleaning and care:

- ▷ Turn the appliance off.

Foods that accidentally fall or settle on the surface, on the functional or aesthetic elements of the hob must not be eaten.

Cleaning the appliance

- ▶ Clean the hob after every use in order to prevent food residues from burning on.
- ▶ To clean food residues, use a soft cloth or sponge with water. We recommend using protective cleaning agents.
- ▶ Immediately remove any foods with high sugar content that spill onto the hob.
- ▶ To prevent limescale stains from forming, always thoroughly dry the appliance after going over it with a damp cloth.
- ▶ Clean the grids, burner caps and flame-spreaders with hot soapy water, making sure to carefully dry them. Do not clean in a dishwasher. Make sure the gas outlet zones are perfectly clean.
- ▶ The natural colour of the pot grids in the pot placing section may alter over time due to the heat.

MAINTENANCE AND REPAIR

Before any maintenance operations disconnect the appliance from the mains power supply.

In case of any operation problems, contact the Franke Technical Service Centre.

- ▷ Make sure that maintenance on electrical components is carried out only by the manufacturer or the customer service. Use original spare parts only.
- ▷ Make sure that damaged cables are changed only by the manufacturer or the customer service.

▶ When contacting the customer service, please provide the following information:

- type of fault
- appliance model (Art. / Cod.)
- serial number (S.N.)

This information is given on the data plate on the booklet or under the hob.

▶ If the hob doesn't operate correctly, before calling the Franke Technical Service Centre, refer to the Troubleshooting Guide to determine the problem:

TROUBLESHOOTING GUIDE

Type of failure	Check if:
A The burner fails to ignite, does not stay lit or the flame is not steady	1 The gas or electrical supplies are not shut off
	2 The gas supply tap is not open
	3 The refillable gas cylinder (liquid gas) is not empty
	4 The burner openings are not clogged
	5 The plug end is not dirty
	6 All the burner parts have not been positioned correctly
	7 There are no draughts near the hob
	8 When lighting the burner, the knob has not been pressed for enough time to activate the protection device (see page 9 „Intended use“)
	9 The burner openings are not clogged near the thermocouple
	10 The minimum gas setting is not correct
B The containers (pots, pans, kettles) are not stable	11 The bottom of the container is not perfectly flat
	12 The container is not centered on the burner
	13 The grids have not been exchanged or positioned incorrectly

If after the above checks the fault still occurs, get in touch with the nearest Franke Technical Service Centre.

DISPOSAL

Packaging

All packaging materials (cardboard, plastic film (PE) and polystyrene (EPS)) are marked and should, if possible, be collected for recycling and disposed of in an environmentally friendly way.

Disconnection

- ▶ Disconnect the appliance from the mains.
With a fixed appliance, this must be carried out by a qualified electrician.

Disposal



The symbol on the product or on the packaging indicates that the device must not be disposed of in the domestic waste.

- ▷ Dispose of the device, which is to be discarded, via a specialised waste collection point for electronic and electrical devices.

In accordance with the Directive 2012/19/EU, regarding the reduction of the hazardous substances used in electrical and electronic appliances, and waste disposal.

Proper separate waste collection of the scrapped appliance for subsequent recycling, treatment and environmentally-friendly disposal helps prevent a potentially negative impact on the environment and health and facilitates recycling of the materials used in appliance construction.

CUSTOMER SERVICE

Refer to the contact address for your country on the back page or on our website:
www.franke.com

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