



ONE STAGE LIGHT OIL BURNERS

▶ RIELLO 40 G SERIES



▶ G3	23,8 ÷ 35,9 kW
▶ G3R	23,8 ÷ 35,9 kW
▶ G3RK	15,0 ÷ 35,0 kW
▶ G5	28,0 ÷ 60,0 kW
▶ G5R	28,0 ÷ 60,0 kW
▶ G5K	29,0 ÷ 60,0 kW
▶ G5RK	12,0 ÷ 60,0 kW
▶ G7	29,0 ÷ 69,0 kW
▶ G10	54,0 ÷ 120,0 kW
▶ G20	95,0 ÷ 213,0 kW
▶ G20S	95,0 ÷ 240,0 kW

The Riello 40 G series of single-stage light oil burners, is a complete range of products developed to respond to any request for home heating. The Riello 40 G series is available in eleven different models, with an output ranging from 12 to 240 kW, divided into four different structures.

All the models use the same components designed by Riello for the Riello 40 G series. The high quality level guarantees safe working.

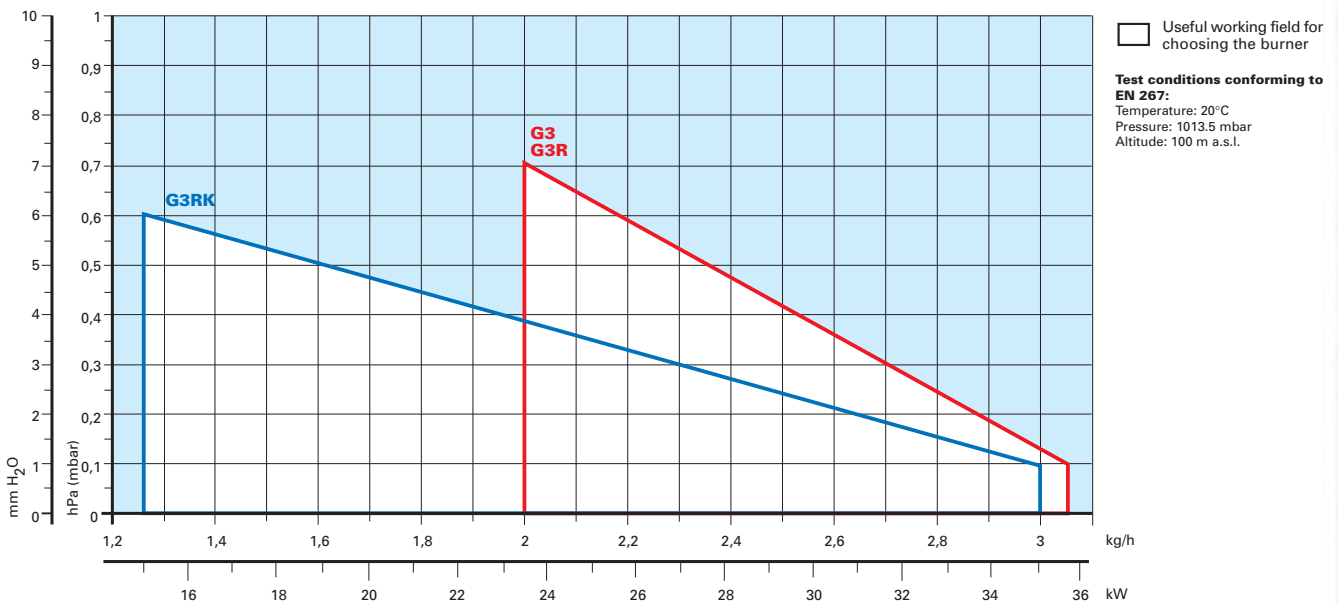
In developing these burners, special attention was

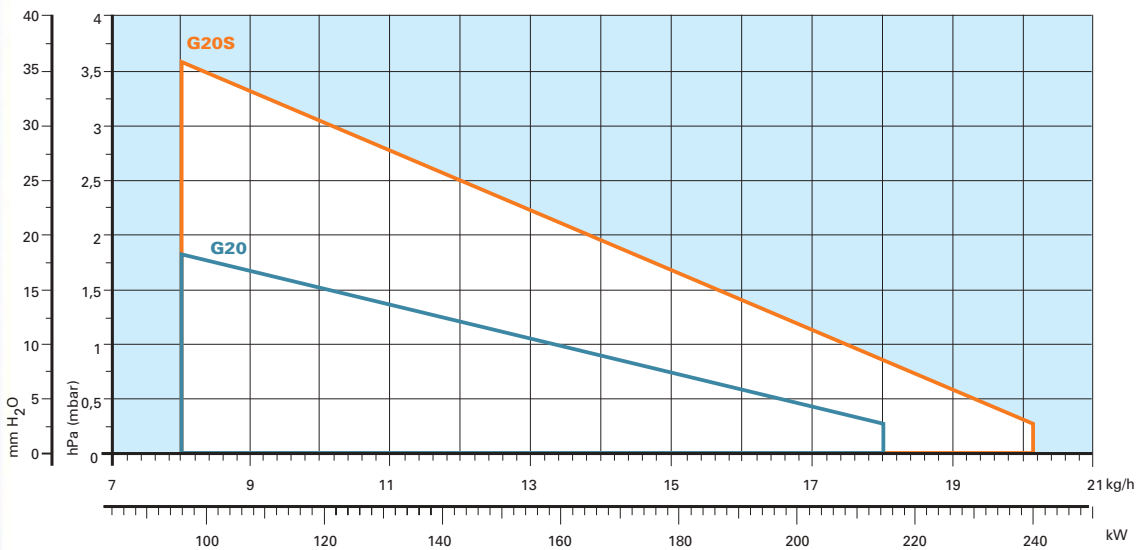
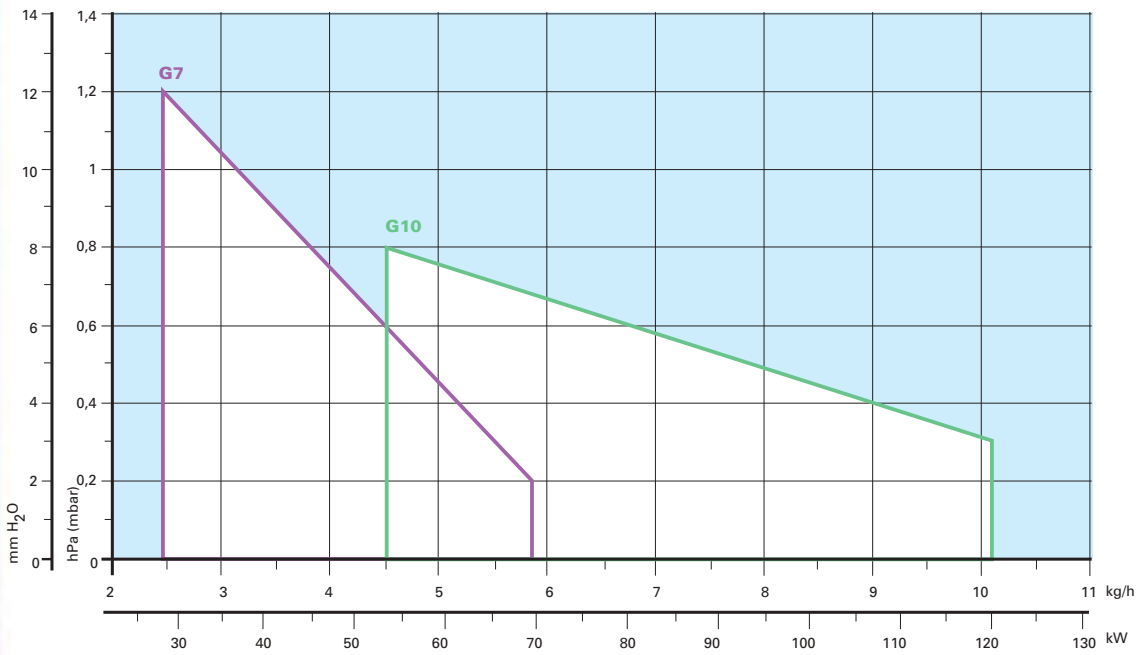
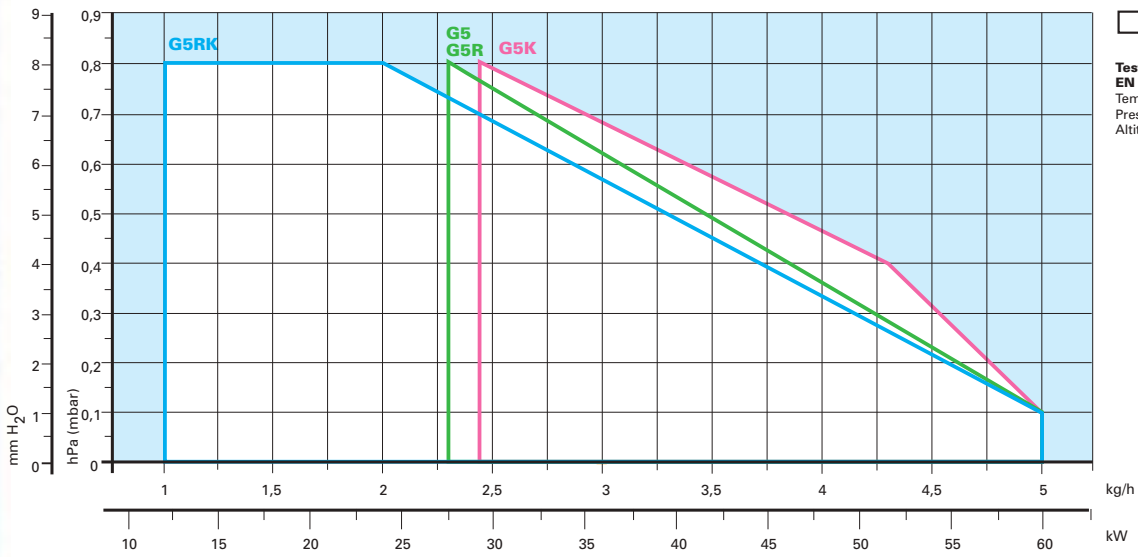
paid to reducing noise, to the ease of installation and adjustment, obtaining the smallest size possible to fit into any sort of boiler available on the market.

All the models are approved by the EN 267 European Standard and conform to European Directives for EMC, Low Voltage, Machinery and Boiler Efficiency.

All the Riello 40 G burners are fired before leaving the factory.

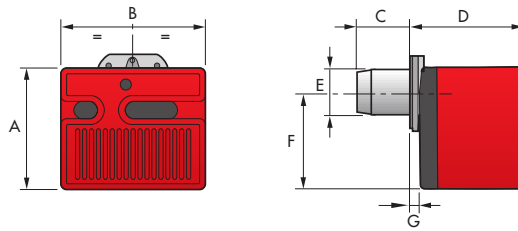
FIRING RATES





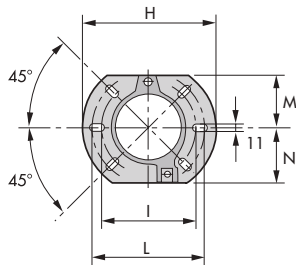
RIELLO 40 G series - OVERALL DIMENSIONS (mm)

BURNERS



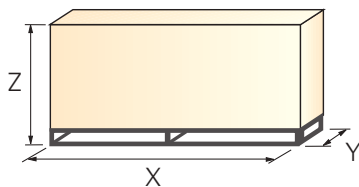
Model	A	B	C	D	E	F	G
▶ G3	215	252	86	203	89	164	19
▶ G3R	215	252	86	203	89	164	19
▶ G3RK	215	252	97±115	203	89	164	19
▶ G5	233	272	107	236	89	180	37
▶ G5R	233	272	107	236	89	180	37
▶ G5K	233	272	94±112	236	89	180	37
▶ G5RK	233	272	94±112	236	89	180	37
▶ G7	262	305	73	261	89	204	40
▶ G10	262	305	108	261	105	204	40
▶ G20	298	350	118	295	125	230	41
▶ G20S	298	350	118	295	125	230	41

BURNER-BOILER MOUNTING FLANGE



Model	H	I	L	M	N
▶ G3 - G3R - G3RK - G5 - G5R - G5K - G5RK	180	130	150	72	75
▶ G7 - G10	189	140	170	83	83
▶ G20 - G20S	213	160	190	99	99

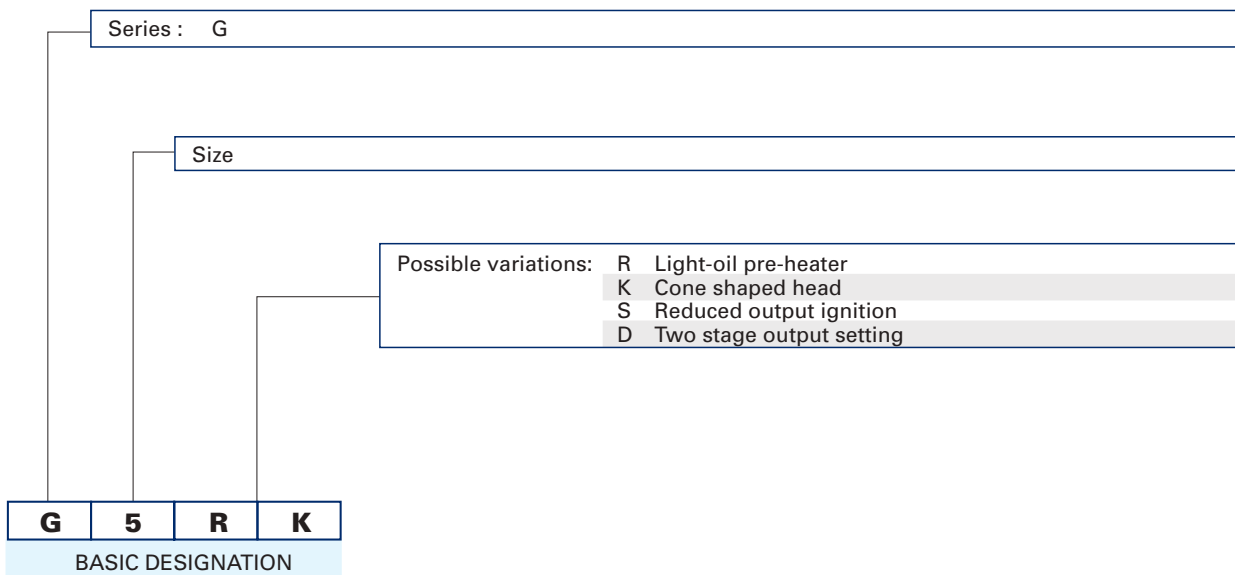
PACKAGING



Model	X	Y	Z	kg
▶ G3	353	285	300	9
▶ G3R	353	285	300	9
▶ G3RK	353	285	300	9
▶ G5	373	305	315	11
▶ G5R	373	305	315	11
▶ G5K	373	305	315	11
▶ G5RK	373	305	315	11
▶ G7	413	338	330	12
▶ G10	413	338	330	12
▶ G20	473	383	367	15
▶ G20S	473	383	367	15

RIELLO 40 G series - SPECIFICATION

DESIGNATION OF SERIES



RIELLO 40 G series - STATE OF SUPPLY

Completely automatic monobloc light oil burners, one stage operation, made up of:

- Fan with forward inclined blades
- Metallic cover lined with sound-deadening material
- Air damper, completely closed in stand by, with adjustment
- Single phase electric motor 230 V, 50 Hz
- Combustion head fitted with:
 - stainless steel head cone, resistant to high temperatures
 - ignition electrodes
 - flame stability disk
- Geared pump for fuel supply, fitted with:
 - filter
 - pressure regulator
 - attachments for fitting a pressure gauge and vacuum meter
 - internal by-pass for preparing for single-pipe installations
- Fuel feed solenoid valve incorporated in the pump
- Photocell for flame detection
- Electronic flame control equipment
- Light oil nozzle
- IP 40 protection level
- Fuel pre-heater (optional)
- Reduced output ignition mechanism (optional).

Standard equipment:

- Two flexible pipes for connection to the light oil supply line
- Two nipples for connection to the pump
- Flange, screws and nuts for fixing
- Thermal gasket
- 7-pin plug
- Instruction handbook for installation, use and maintenance
- Spare parts catalogue.

RIELLO 40 G series - AVAILABLE BURNER MODELS

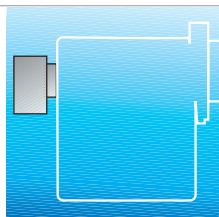
Code	Model		Heat output		Total electrical power (kW)	Certification	Note	Price
			(kW)	(kg/h)				
3743125	G3	1/50/230 ±10%	23,8 – 35,9	2 - 3	0,12	-		
3743831	G3R	1/50/230 ±10%	23,8 – 35,9	2 - 3	0,17	-		
3743412	G3RK	1/50/230 ±10%	15 – 35	1,3 - 3	0,17	CE – 0036 0253/99		
3744512	G5	1/50/230 ±10%	28 – 60	2,3 - 5	0,13	-		
3744612	G5R	1/50/230 ±10%	28 – 60	2,3 - 5	0,19	-		
3745212	G5K	1/50/230 ±10%	29 – 60	2,5 - 5	0,13	CE – 0036 0255/99		
3745312	G5RK	1/50/230 ±10%	12 – 60	1 - 5	0,19	CE – 0036 0256/99		
3745959	G7	1/50/230 ±10%	29 – 69	2,5 - 5,8	0,16	-		
3746412	G10	1/50/230 ±10%	54 – 120	4,5 - 10	0,17	CE – 0036 0257/99		
3747412	G20	1/50/230 ±10%	95 – 213	8 - 18	0,33	-		
3748259	G20S	1/50/230 ±10%	95 – 240	8 - 20	0,33	-		

Net calorific value: 11,8 kWh/kg - 10.200 kcal/kg - Viscosity at 20°C 4÷6 mm²/s (cSt)

The burners of G series are in according to EN 267.

RIELLO 40 G series - BURNER ACCESSORIES

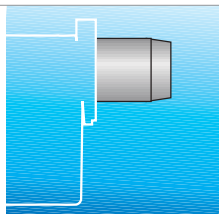
Remote control release kit for the 530-531 control box



The 530-531 control box can be remotely released using an electric command kit. This kit must be installed in conformity with current regulations in force.

Burner	Kit code	Price
All models	3001030	

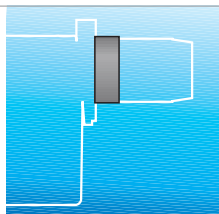
Extended head kit



Kits of extended heads are available.

Burner	Standard head length (mm)	Long head version length (mm)	Kit code	Price
G5, G5R	107	121	3000686	
G5, G5R	107	121 INOX	3000687	
G5, G5R	STANDARD	CONIC HEAD	3000726	
G5K	CONIC	107 CILINDRIC HEAD	3000728	
G10	108	168	3000643	
G10	108	250	3000770	
G20, G20S	118	178	3000644	
G20, G20S	118	260	3000771	

Spacer kit



Using the special accessories, the burner can be pulled back to reduce head penetration into the combustion chamber.

Burner	Accessory	Pulling back (mm)	Kit code	Price
G3, G3R, G3RK, G5, G5K, G5R, G5RK, G7	Spacer	25	3007642	
G10	Spacer	25	3000672	
G20, G20S	Spacer	25	3000673	

Light oil filter

Burner	Kit code	Price
All the models	3000926	

Biodiesel kit

Burner	Kit code	Price
G3, G3R, G3RK, G5, G5K, G5R, G5RK, G7, G10, G20	3000978	
G20S	3000979	