

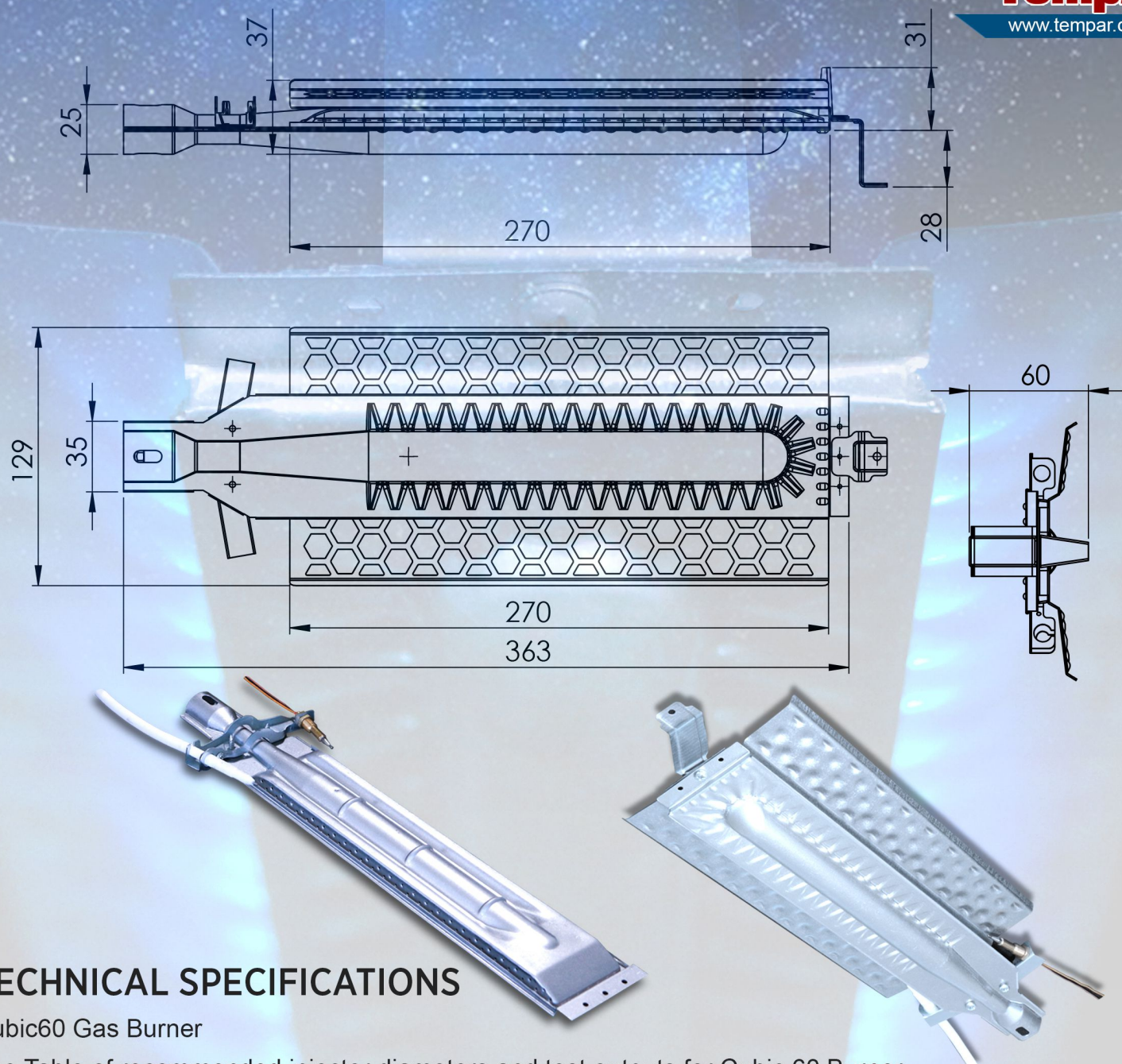
Cubic60 Gas Burner

- Crimped body construction of embossed aluminized iron sheet metal resistant to heat and rust.
- Economical gas burner designed as a thin cubical body for free standing gas cookers and built-in gas ovens.
- Efficient, ideal cooking performance by very low gas consumption for 40-70 Lt cavities.

- Ecological and user friend by very low CO and CO₂ emission of combustion.

- The burner never heats up the front panel of the cavity because of suitable length of body, so the silicone door gasket is never burnt up.

- Easy after sale service intervention owing to easy assembling and disassembling from front side of the cooker.
- The bracket for thermocouple and spark electrode is optional, can be used together or not.
- Aluminized sheet metal deflector.



TECHNICAL SPECIFICATIONS

Cubic60 Gas Burner

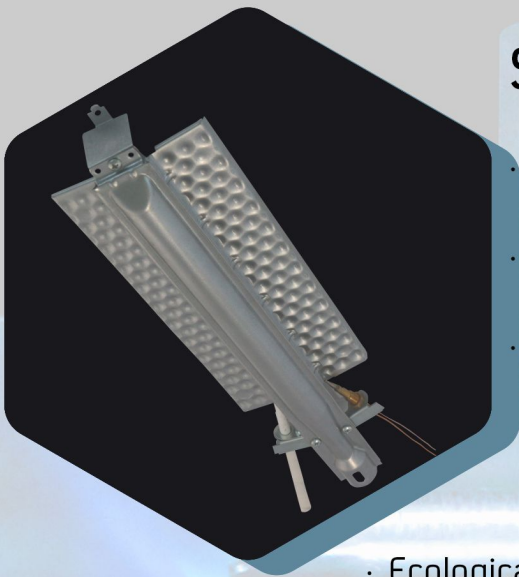
The Table of recommended injector diameters and test outputs for Cubic 60 Burner

Reference gas	G30	G30	G30	G30	G30	G30	G31	G31	G20	G20	G20	G20	G25	G25	G25	G25
Nominal Pressure (mBar)	30	30	37	37	50	50	37	37	20	20	25	25	20	20	25	25
Burner Name	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill
Diameter Injector (mm)	0,75	0,60	0,75	0,60	0,70	0,57	0,75	0,60	1,02	0,92	1,04	0,92	1,07	0,98	1,07	0,98
Gasconsumption (m³/h)	0,06	0,04	0,06	0,04	0,061	0,04	0,071	0,05	0,181	0,12	0,2	0,13	0,197	0,141	0,222	0,154
Press. Burner (mbar)	30	30	37	37	50	50	37	37	20	20	25	25	20	20	25	25
Temp.gas (°C)	18,3	17,7	18,3	18,2	20	19,8	18,9	18,9	25,6	25,1	25,6	25,1	27,1	26,7	27,1	26,7
Heat Input (Kw) —/nett	2,07	1,41	2,30	1,55	2,33	1,48	2,04	1,37	1,98	1,32	2,19	1,44	1,84	1,32	2,08	1,44
Nominal Input (Kw) Hs	2,30	1,60	2,55	1,73	2,55	1,73	2,30	1,48	2,30	1,53	2,55	1,66	2,10	1,53	2,43	1,66
Nominal Input (Kw) Hi	2,07	1,44	2,30	1,55	2,30	1,55	2,07	1,44	2,07	1,38	2,30	1,50	1,90	1,38	2,19	1,50
Difference Hs(%)	0,00	-1,60	0,00	0,00	1,50	-4,44	-1,67	-4,80	4,44	-4,17	-5,00	-3,85	-3,03	-4,17	-4,74	-3,85
CO (ppm)	58	12	43	18	26,00	10,00	14	10	33,00	20,00	24,00	17,00	49,00	29,00	36,00	25,00
CO2 (%)	1,8	1,45	1,95	1,6	2,30	1,90	1,35	1,1	1,65	1,70	1,75	1,80	1,55	1,50	1,65	1,60
CO Content (ppm)	451	116	309	158	158	74	142	125	234,00	138,00	160,00	111,00	364,00	222,00	251,00	180,00

Given technical data and values in this document are just for recommendation purpose.

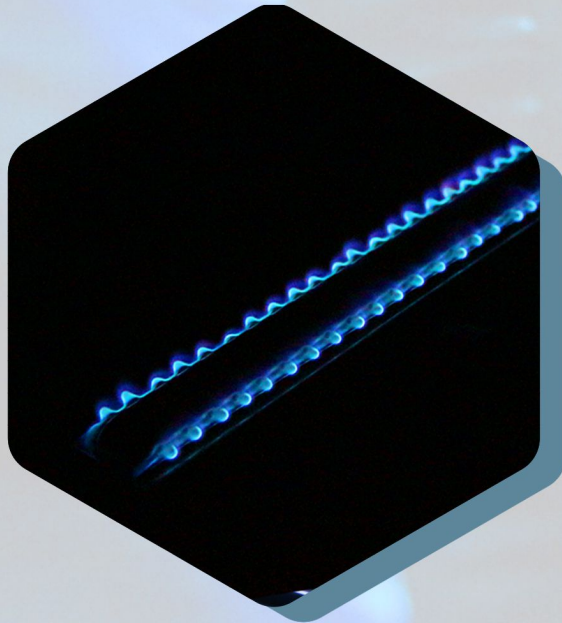
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Slim Gas Burner

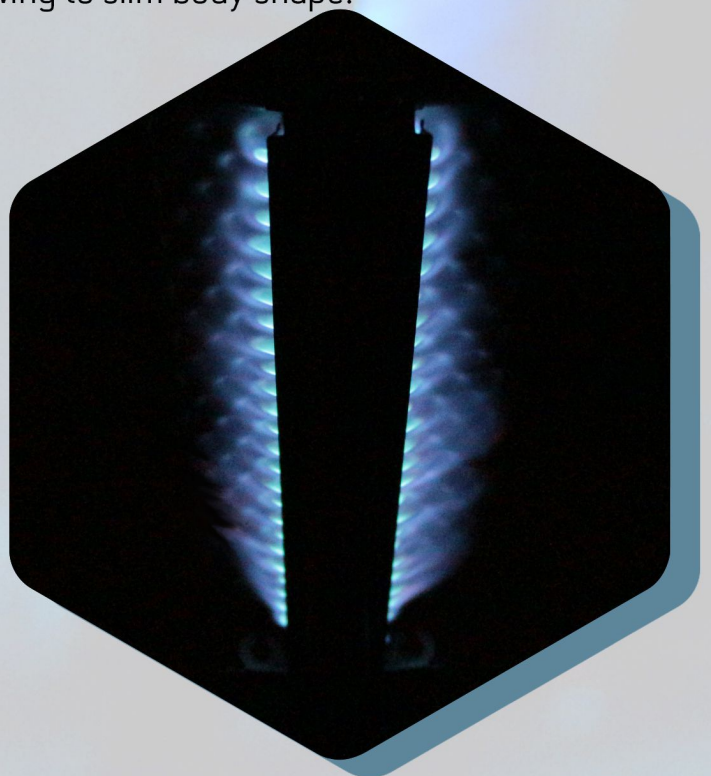


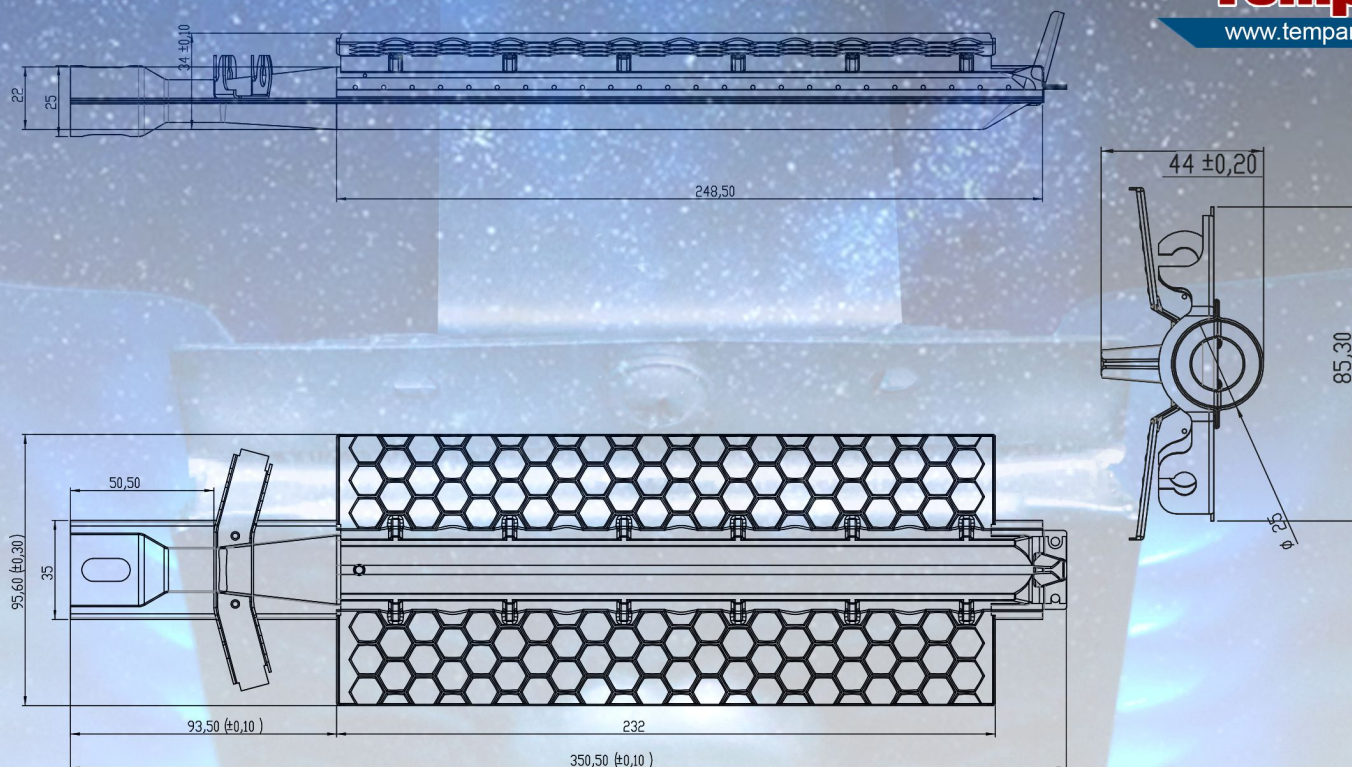
- Crimped body construction of embossed aluminized iron sheet metal resistant to heat and rust.
- Economical gas burner designed as a thin circular body for free standing gas cookers and built-in gas ovens.
- Efficient, ideal cooking performance by very low gas consumption for 40-65 Lt cavities.

- Ecological and user friend by very low CO and CO₂ emission of combustion air.
 - The burner never heats up the front panel of the cavity because of suitable length of body, so the silicone door gasket is never burnt up.



- Easy after sale service intervention owing to easy assembling and disassembling from front side of the cooker.
- The bracket for thermocouple and spark electrode is optional, can be used together or not.
- Aluminized sheet metal deflector.
- The burner can be hidden to top of the cavity owing to slim body shape.





TECHNICAL SPECIFICATIONS

Slim Gas Burner

The Table of recommended injector diameters and test outputs for Slim Burner

Reference gas	G30	G30	G30	G30	G30	G30	G31	G31	G20	G20	G20	G20	G25	G25	G25	G25
Nominal Pressure (mBar)	30	30	37	37	50	50	37	37	20	20	25	25	20	20	25	25
Burner Name	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill
Diameter Injector (mm)	0,75	0,6	0,75	0,6	0,70	0,55	0,75	0,6	1,00	0,9	1,00	0,9	1,05	0,98	1,05	0,98
Gasconsumption (m³/h)	0,055	0,037	0,061	0,041	0,061	0,039	0,071	0,049	0,181	0,12	0,2	0,131	0,197	0,141	0,222	0,154
Press. Burner (mbar)	30	30	37	37	50	50	37	37	20	20	25	25	20	20	25	25
Temp.gas (°C)	18,3	17,7	18,3	18,2	20	19,8	18,9	18,9	25,6	25,1	25,6	25,1	27,1	26,7	27,1	26,7
Heat Input (Kw) —/nett	2,07	1,36	2,30	1,50	2,35	1,39	2,03	1,32	1,83	1,29	2,02	1,40	1,76	1,30	2,00	1,42
Nominal Input (Kw) Hs	2,30	1,54	2,55	1,66	2,57	1,62	2,30	1,43	2,13	1,49	2,36	1,61	2,02	1,51	2,33	1,63
Nominal Input (Kw) Hi	2,07	1,39	2,30	1,50	2,32	1,45	2,07	1,39	1,91	1,35	2,13	1,46	1,82	1,36	2,09	1,48
Difference Hs(%)	0,00	-1,60	0,00	0,00	1,50	-4,44	-1,67	-4,80	4,44	-4,17	-5,00	-3,85	-3,03	-4,17	-4,74	-3,85
CO (ppm)	58	12	43	18	26,00	10,00	14	10	33,00	20,00	24,00	17,00	49,00	29,00	36,00	25,00
CO2 (%)	1,8	1,45	1,95	1,6	2,30	1,90	1,35	1,1	1,65	1,70	1,75	1,80	1,55	1,50	1,65	1,60
CO Content (ppm)	451	116	309	158	158	74	142	125	234,00	138,00	160,00	111,00	364,00	222,00	251,00	180,00

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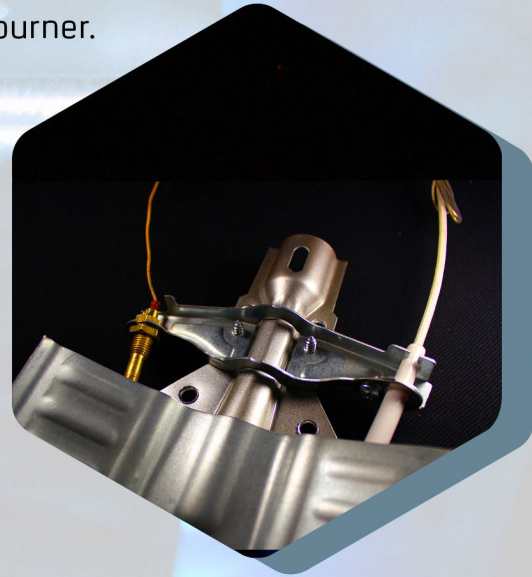
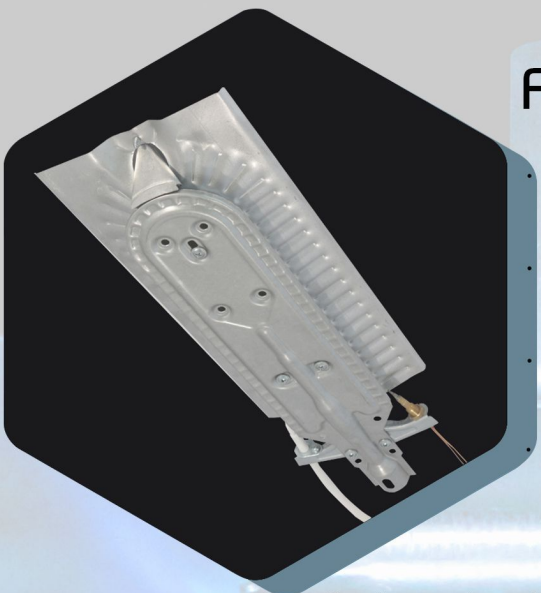
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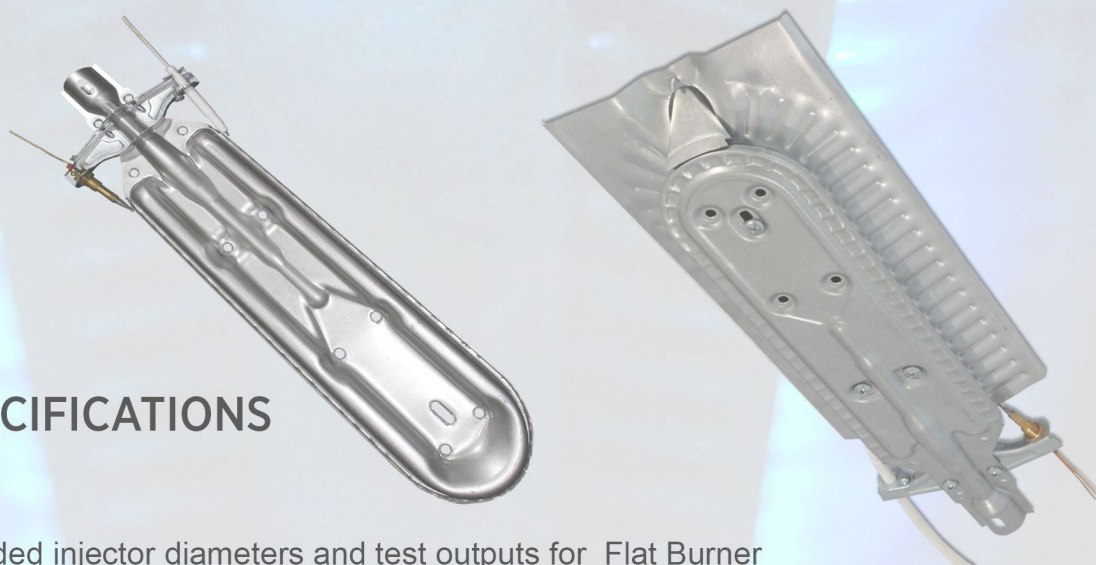
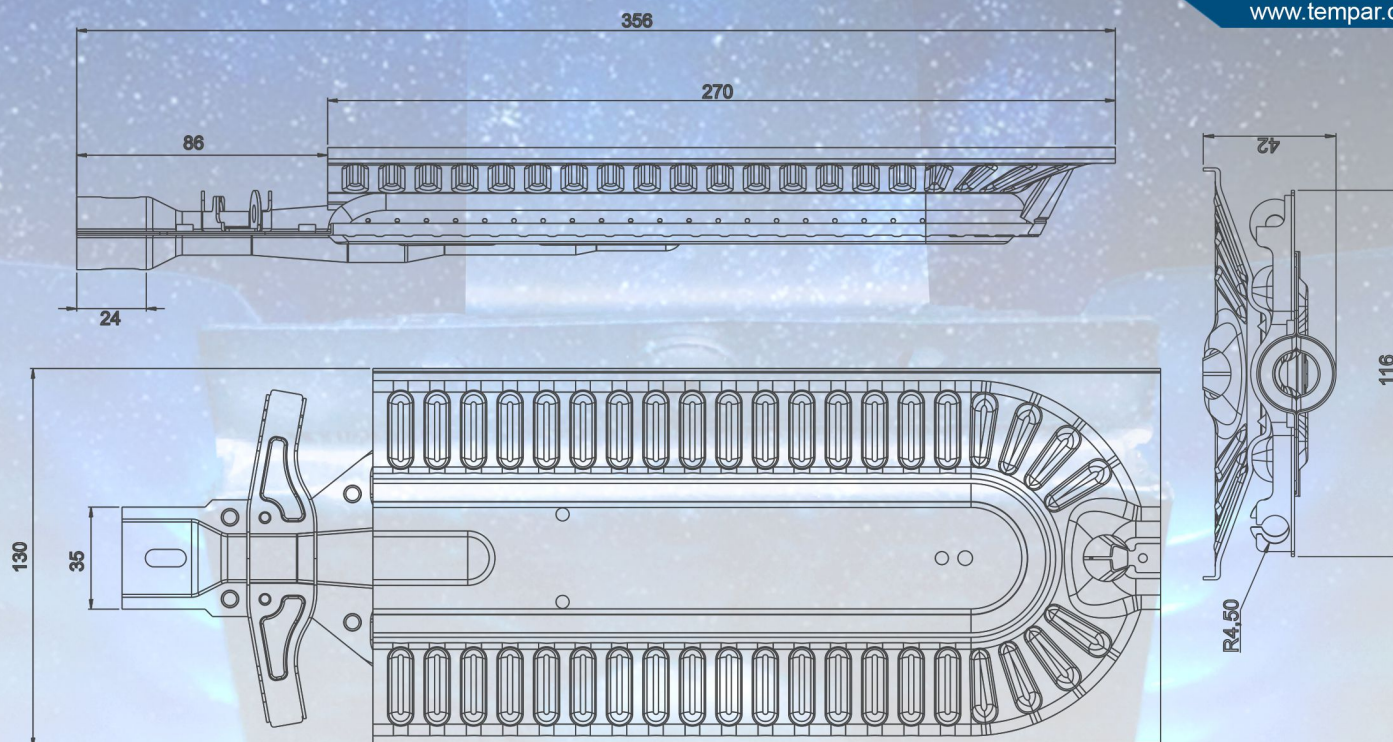
Flat Gas Burner

- Crimped body construction of embossed aluminized iron sheet metal resistant to heat and rust.
- Designed as a flat body for free standing gas cookers and built-in gas ovens.
- Efficient, ideal cooking performance with very low gas consumption for 40-70 Lt cavities.
- Replaceable easily with slim burner.

- Ecological and user friend with very low CO and CO₂ emission of combustion.
- Unproblematic performance during long term use in built in gas ovens, because of lower primer oxygen needs.
- Ease of after sale service intervention owing to easy assembling and disassembling from front side of the cooker.

- The burner never heats up the front panel of the cavity because of suitable length of the body, so the silicone door gasket is never burnt up.
- The bracket for thermocouple and spark electrode is optional, can be used together or not.
- Enamel or aluminized sheet metal deflector is optional.
- The burner can be hidden in the top of the cavity owing to flat body shape.





TECHNICAL SPECIFICATIONS

Flat Gas Burner

The Table of recommended injector diameters and test outputs for Flat Burner

Reference gas	G30	G30	G30	G30	G30	G30	G31	G31	G20	G20	G20	G20	G25	G25	G25	G25
Nominal Pressure (mBar)	30	30	37	37	50	50	37	37	20	20	25	25	20	20	25	25
Burner Name	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill
Diameter Injector (mm)	0,70	0,57	0,70	0,57	0,65	0,53	0,70	0,57	0,97	0,85	0,97	0,85	1,00	0,92	1,00	0,92
Gasconsumption (m³/h)	0,055	0,037	0,061	0,04	0,061	0,039	0,071	0,049	0,181	0,12	0,2	0,131	0,197	0,141	0,222	0,154
Press. Burner (mbar)	30	30	37	37	50	50	37	37	20	20	25	25	20	20	25	25
Temp.gas (°C)	18,3	17,7	18,3	18,2	20	19,8	18,9	18,9	25,6	25,1	25,6	25,1	27,1	26,7	27,1	26,7
Heat Input (Kw) —/nett	1,80	1,23	2,00	1,35	2,03	1,29	1,77	1,19	1,72	1,15	1,90	1,25	1,60	1,15	1,81	1,25
Nominal Input (Kw) Hs	2,00	1,39	2,22	1,50	2,22	1,50	2,00	1,29	2,00	1,33	2,22	1,44	1,83	1,33	2,11	1,44
Nominal Input (Kw) Hi	1,80	1,25	2,00	1,35	2,00	1,35	1,80	1,25	1,80	1,20	2,00	1,30	1,65	1,20	1,90	1,30
Difference Hs(%)	0,00	-1,60	0,00	0,00	1,50	-4,44	-1,67	-4,80	4,44	-4,17	-5,00	-3,85	-3,03	-4,17	-4,74	-3,85
CO (ppm)	58	12	43	18	26,00	10,00	14	10	33,00	20,00	24,00	17,00	49,00	29,00	36,00	25,00
CO2 (%)	1,8	1,45	1,95	1,6	2,30	1,90	1,35	1,1	1,65	1,70	1,75	1,80	1,55	1,50	1,65	1,60
CO Content (ppm)	451	116	309	158	158	74	142	125	234,00	138,00	160,00	111,00	364,00	222,00	251,00	180,00

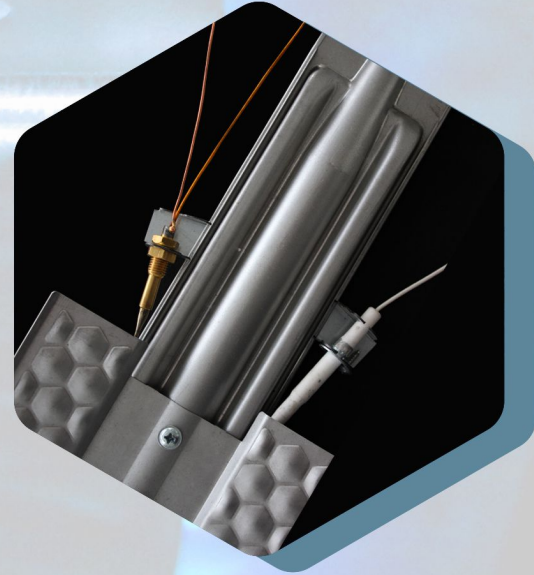
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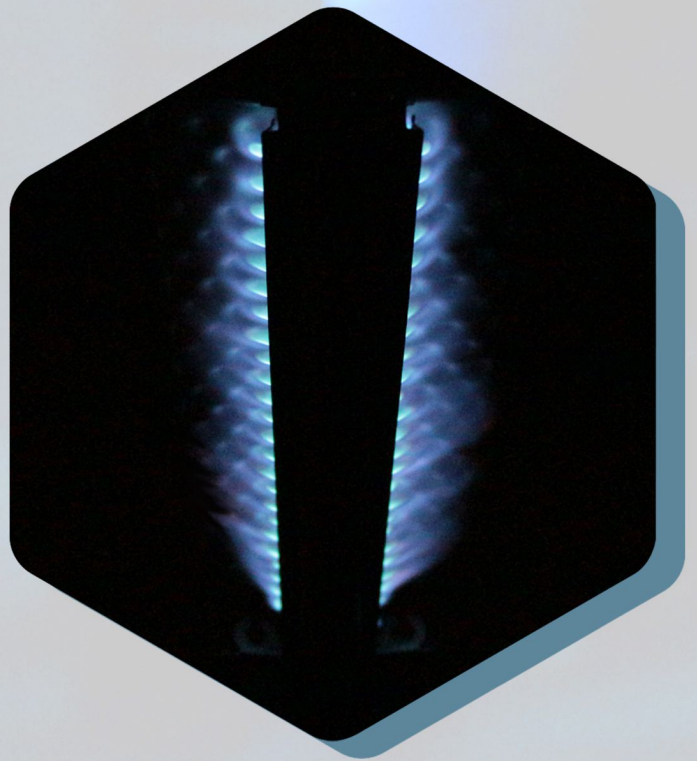
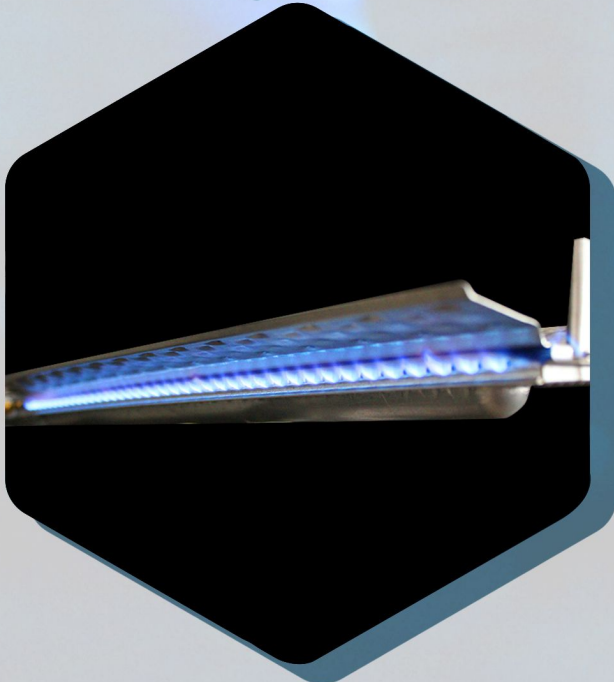
Cubic90 Gas Burner

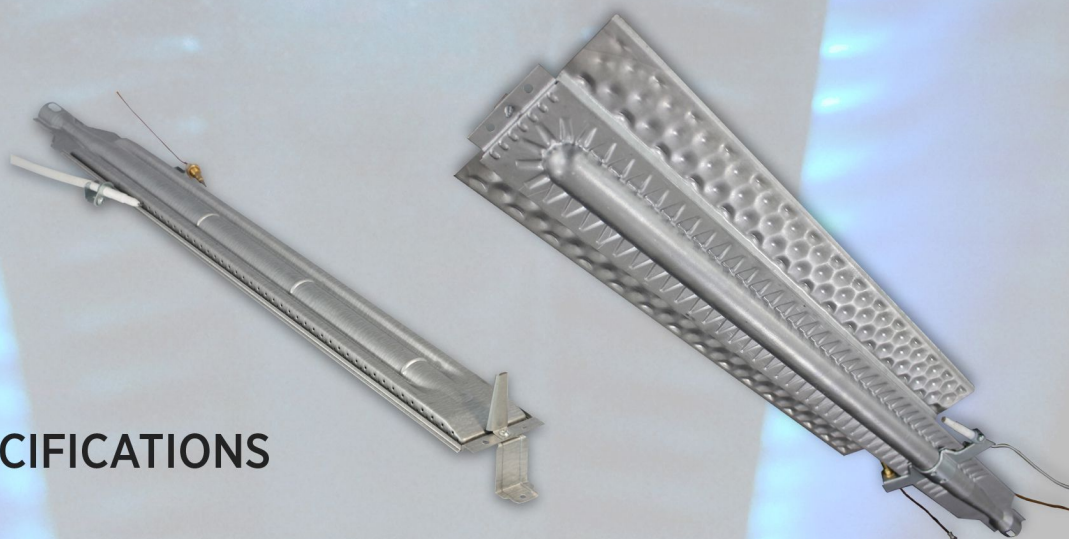
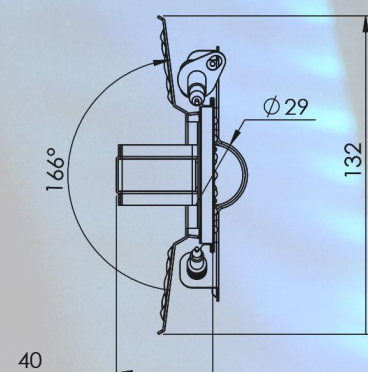
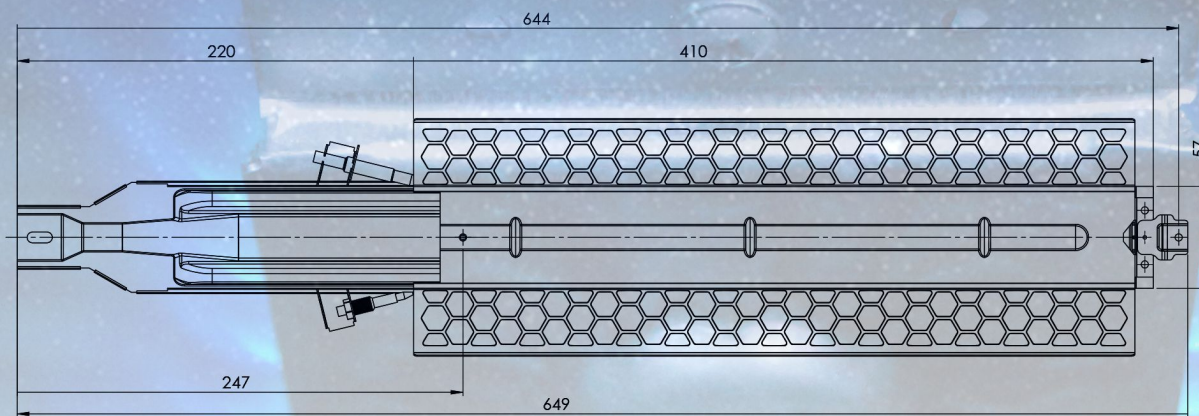
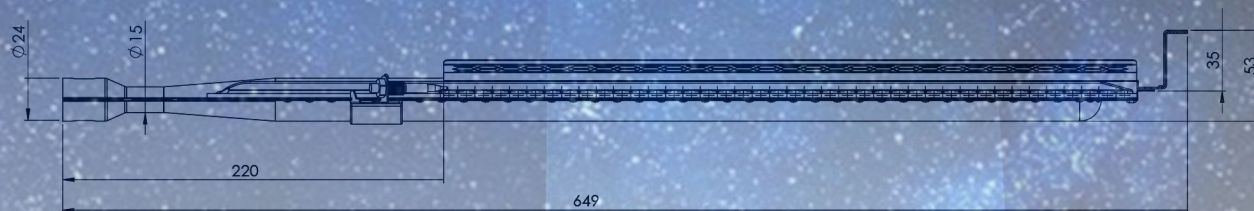
- Crimped body construction of embossed aluminized iron sheet metal resistant to heat and rust.
- Efficient; ideal cooking performance with very low gas consumption for 80-120 Lt oven or cooker cavities.

- Ecological and user friend with very low CO and CO₂ emission of combustion.
- Easy of after sale service intervention owing to easy assembling and disassembling from front side of the cooker.



- The bracket for thermocouple and spark electrode is optional, can be used together or not.
- Aluminized sheet metal deflector.
- Designed as a flat body for free standing gas range cookers, built-in gas ovens and professional and semi-professional





TECHNICAL SPECIFICATIONS

Cubic90 Gas Burner

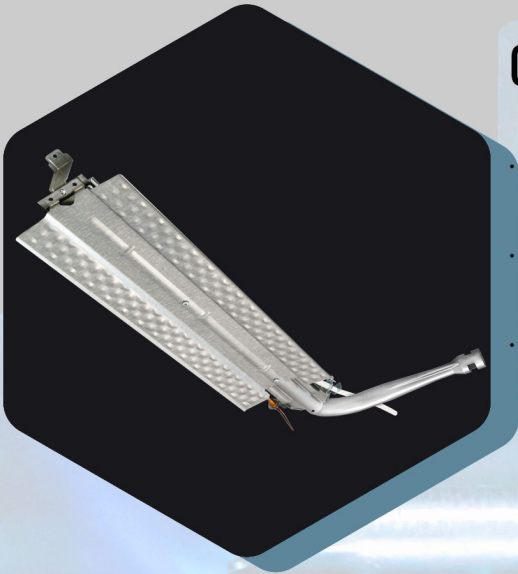
The Table of recommended injector diameters and test outputs for Cubic 90 Burner

Reference gas	G 30	G 30	G 30	G 30	G 30	G 30	G 31	G 31	G 20	G 20	G 20	G 20	G 25	G 25	G 25	G 25
Nominal Pressure (mBar)	30	30	37	37	50	50	37	37	20	20	25	25	20	20	25	25
Burner Name	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill
Diameter Injector (mm)	1,00	0,80	1,00	0,75	0,97	0,75	1,00	0,75	1,45	1,15	1,40	1,15	1,45	1,30	1,47	1,30
Gasconsumption (m³/h)	0,107	0,083	0,118	0,092	0,136	0,105	0,137	0,099	0,374	0,233	0,416	0,259	0,344	0,22	0,386	0,245
Press. Burner (mbar)	30	30	37	37	50	50	37	37	20	20	25	25	20	20	25	25
Temp.gas (°C)	15,2	15,2	15,2	15,2	15,4	15,4	15,4	15,6	15,6	15,6	15,6	15,6	15,8	15,8	15,8	15,8
Heat Input (Kw) —/nett	4	3,04	4,42	3,35	5,03	3,91	3,81	2,76	4	2,49	4,45	2,78	3,17	2,03	3,56	2,26
Nominal Input (Kw) Hs	3,6	2,61	3,87	2,77	3,6	3,1	3,6	2,61	3,6	2,5	4	2,7	3,1	2,7	3,5	3,1
Nominal Input (Kw) Hi	4	2,9	4,3	3	4,65	3,5	4	2,9	4	2,8	4,4	3,4	3,3	2,1	4	3,6
Difference Hs(%)	0	4,8	2,7	1,52	4,7	2,8	-4,75	-4,83	0	-4,2	3,4	-0,71	-3,94	-3,33	-1,11	-1,74
CO (ppm)	23	80	87	41	117,00	21,00	36	15	92,00	17,00	45,00	16,00	21,00	17,00	18,00	16,00
CO2 (%)	1,69	1,56	1,95	1,27	2,15	2,35	2,05	1,85	1,90	1,65	2,10	1,85	1,40	1,20	1,54	1,45
CO Content (ppm)	491	718	625	452	762	125	341	111	259,00	121,00	351,00	101,00	372,00	163,00	434,00	124,00

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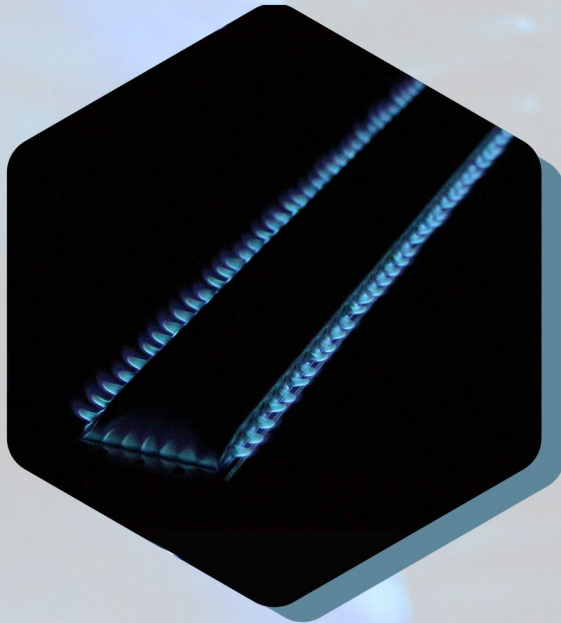
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Cubic90 L Gas Burner



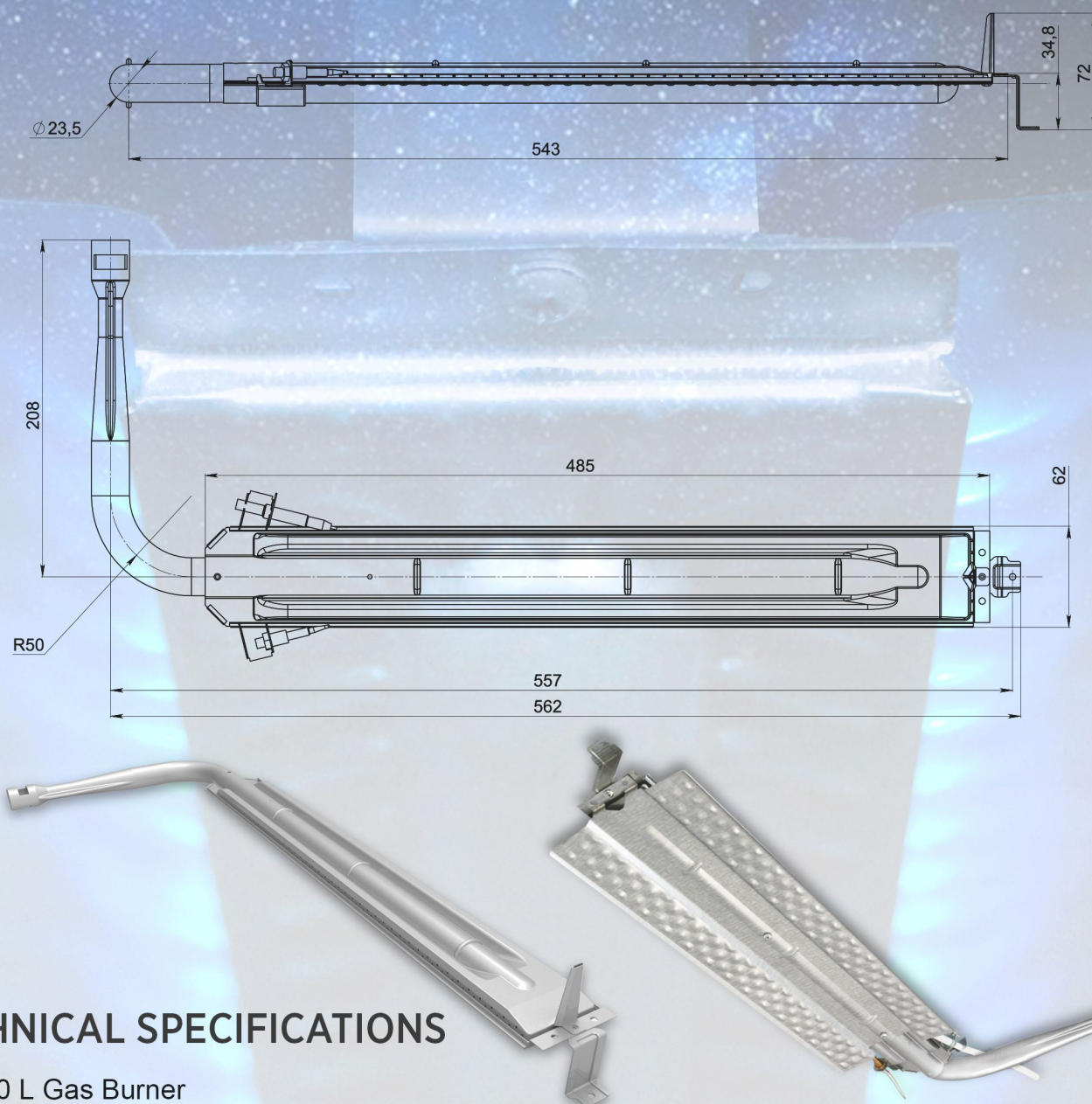
- Crimped body construction of embossed aluminized iron sheet metal resistant to heat and rust.
- Economical gas burner designed as a thin cubical body for free standing gas cookers and built-in gas ovens.
- Efficient, ideal cooking performance by very low gas consumption for 40-70 Lt cavities.

- Ecological and user friend by very low CO and CO₂ emission of combustion.
- Due to L shape gas inlet the burner, can be connected to rear side of the cavity



- Easy after sale service intervention owing to easy assembling and disassembling from front side of the cooker.
- The bracket for thermocouple and spark electrode is optional, can be used together or not.
- Aluminized sheet metal deflector.





TECHNICAL SPECIFICATIONS

Cubic90 L Gas Burner

The Table of recommended injector diameters and test outputs for Cubic 90 L Burner

Reference gas	G 30	G 30	G 30	G 30	G 30	G 30	G 31	G 31	G 20	G 20	G 20	G 20	G 25	G 25	G 25	G 25
Nominal Pressure (mBar)	30	30	37	37	50	50	37	37	20	20	25	25	20	20	25	25
Burner Name	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill	Oven	Grill
Diameter Injector (mm)	1,00	0,80	1,00	0,75	0,97	0,75	1,00	0,75	1,45	1,15	1,40	1,15	1,45	1,30	1,47	1,30
Gasconsumption (m³/h)	0,107	0,083	0,118	0,092	0,136	0,105	0,137	0,099	0,374	0,233	0,416	0,259	0,344	0,22	0,386	0,245
Press. Burner (mbar)	30	30	37	37	50	50	37	37	20	20	25	25	20	20	25	25
Temp.gas (°C)	15,2	15,2	15,2	15,2	15,4	15,4	15,4	15,6	15,6	15,6	15,6	15,6	15,8	15,8	15,8	15,8
Heat Input (Kw) —/nett	4	3,04	4,42	3,35	5,03	3,91	3,81	2,76	4	2,49	4,45	2,78	3,17	2,03	3,56	2,26
Nominal Input (Kw) Hs	3,6	2,61	3,87	2,77	3,6	3,1	3,6	2,61	3,6	2,5	4	2,7	3,1	2,7	3,5	3,1
Nominal Input (Kw) Hi	4	2,9	4,3	3	4,65	3,5	4	2,9	4	2,8	4,4	3,4	3,3	2,1	4	3,6
Difference Hs(%)	0	4,8	2,7	1,52	4,7	2,8	-4,75	-4,83	0	-4,2	3,4	-0,71	-3,94	-3,33	-1,11	-1,74
CO (ppm)	23	80	87	41	117,00	21,00	36	15	92,00	17,00	45,00	16,00	21,00	17,00	18,00	16,00
CO2 (%)	1,69	1,56	1,95	1,27	2,15	2,35	2,05	1,85	1,90	1,65	2,10	1,85	1,40	1,20	1,54	1,45
CO Content (ppm)	491	718	625	452	762	125	341	111	259,00	121,00	351,00	101,00	372,00	163,00	434,00	124,00

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ACCESSORIES

INJECTOR HOLDER

- It has both male and female gas inlet threads as M12 and M13
- Made from aluminium material by die casting
- Designed according to our burners inlet and under patent protection.

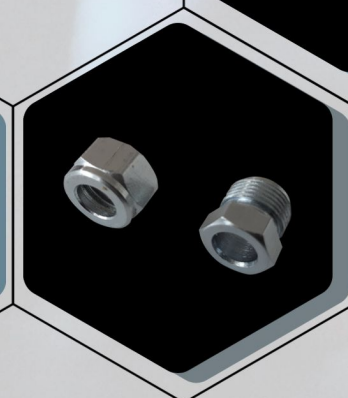
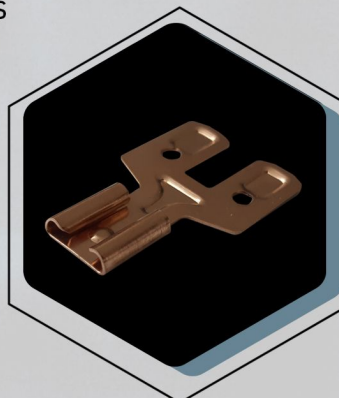
- It is convenient to all of our burners as a common accessory

THERMOCOUPLES

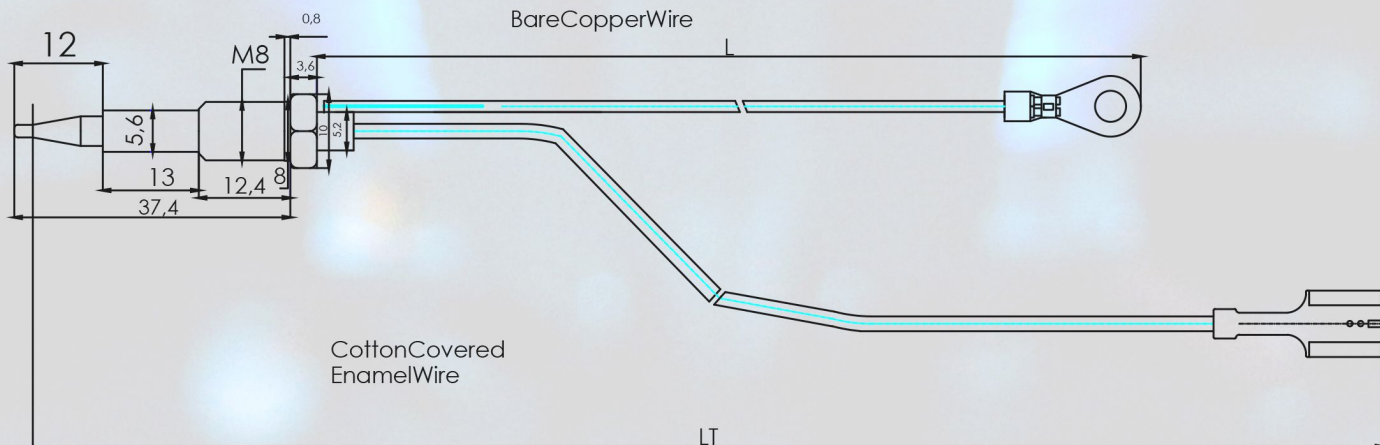
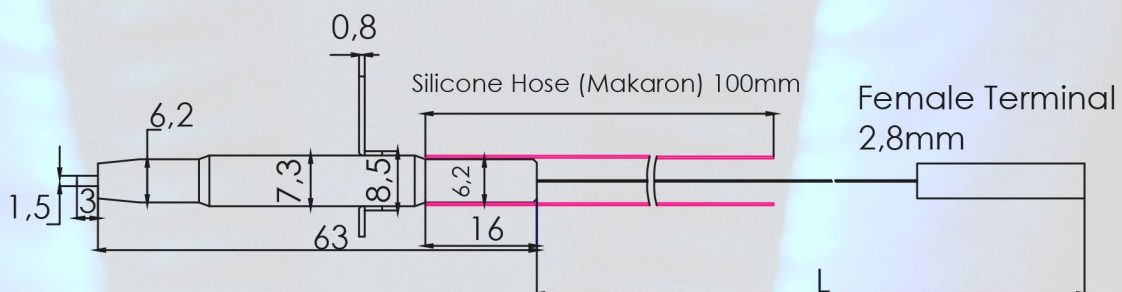
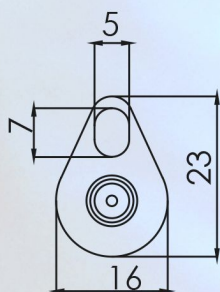
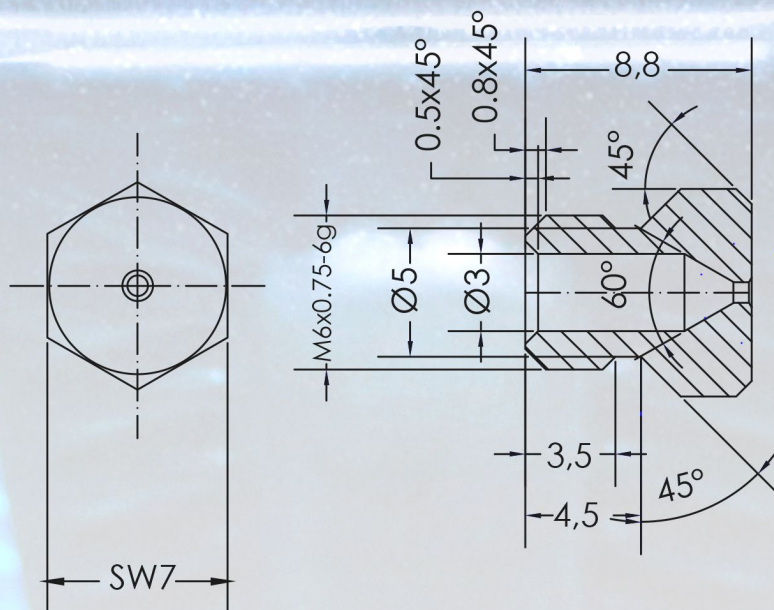
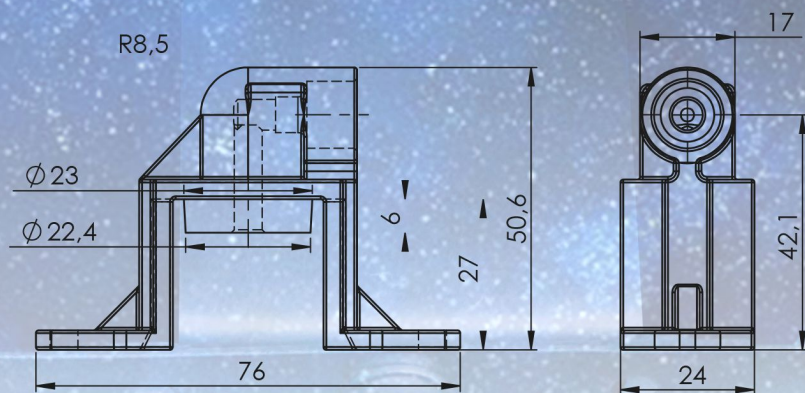
- Designed to our own burners as a common accessory.
- The technical performance is over the standard requirements.
- Fasten, screwed or coaxial terminal and the cable length is variable.
- Can be connected easily during assembling line to make "double thermocouple" with our patented special terminal. Can be connected easily during assembling line to make "double thermocouple" with our patented special terminal.

SPARK PLUGS

- Especially designed for thermocouples according to all our burners as a common accessory.
- It is convenient to standard requirements.
- Injectors: Designed or different gas types
- Y Terminal: specialised for thermocouples



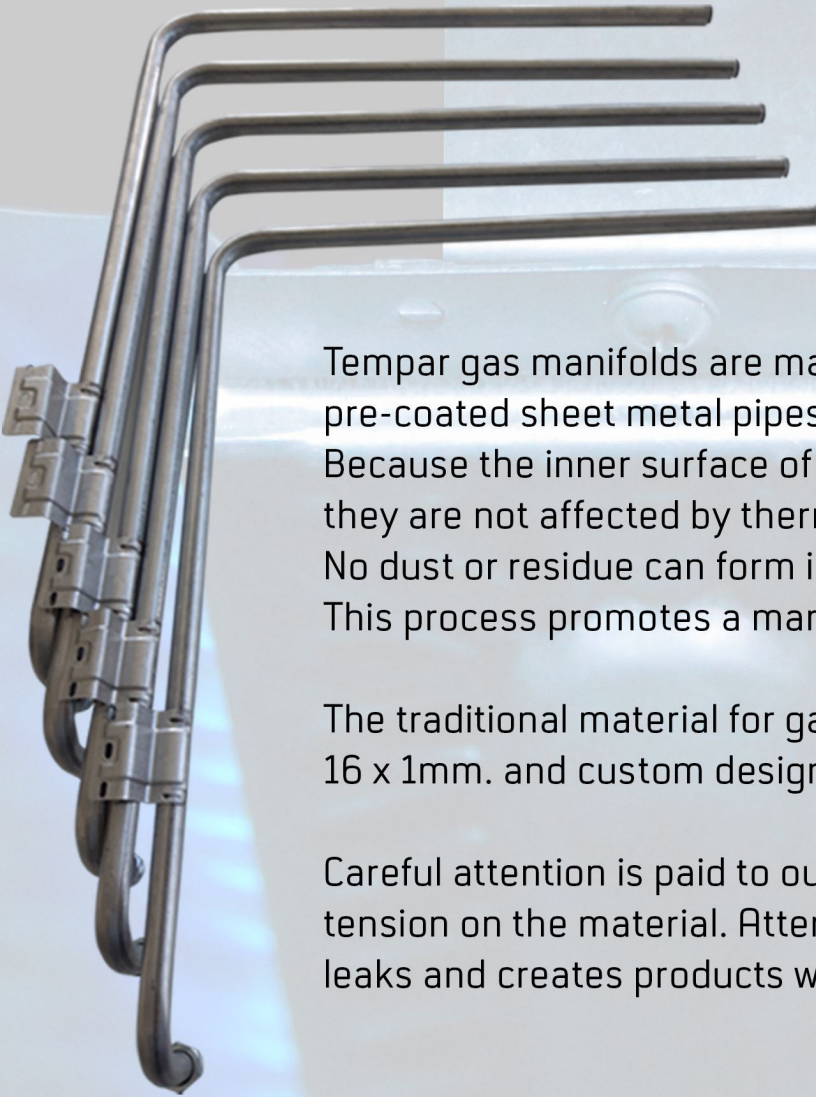
- Connection Nuts:



Tempar Gas Manifolds

TempAr

www.tempar.com.tr

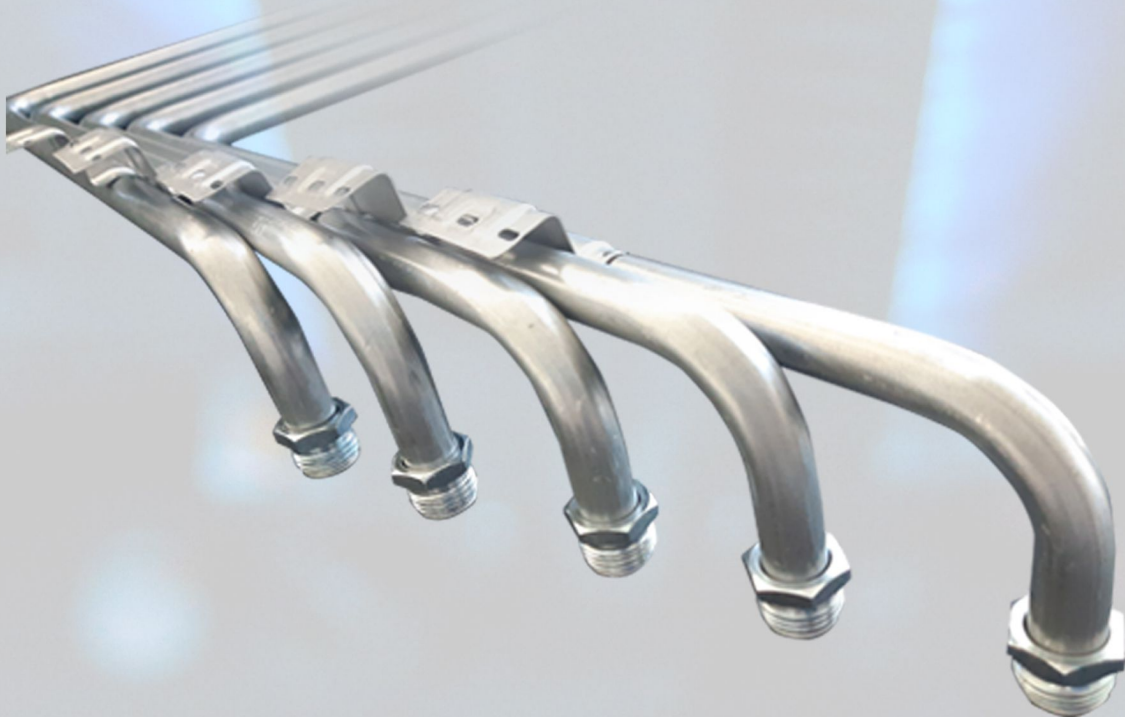


Tempar gas manifolds are made from pre-coated sheet metal pipes coated with aluminum. Because the inner surface of the pipes are also coated, they are not affected by thermal or corrosive conditions. No dust or residue can form inside the inner chamber. This process promotes a manifold that doesn't leak.

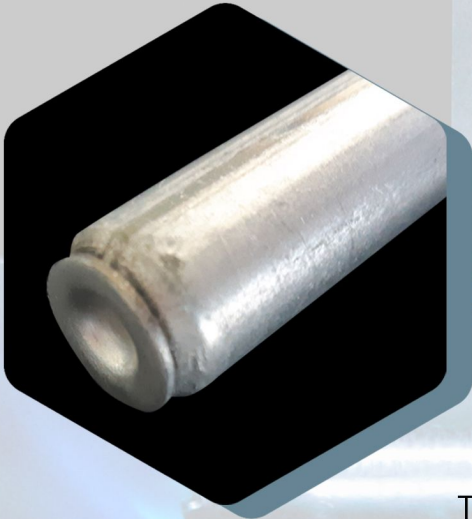
The traditional material for gas ovens and furnaces is 16 x 1mm. and custom designs are available.

Careful attention is paid to our bending process without any tension on the material. Attention to detail eliminates leaks and creates products with a long life cycle

Pipes are bent to a radius allowed by pipe bending standards. In this context, manifolds are bent and formed according to our customer's requirements.



Tempar Gas Manifolds



Pipes are welded shut, then 100% tested for gas leakage. Pipe usage is extremely efficient due to no deformation on the end of the pipe.

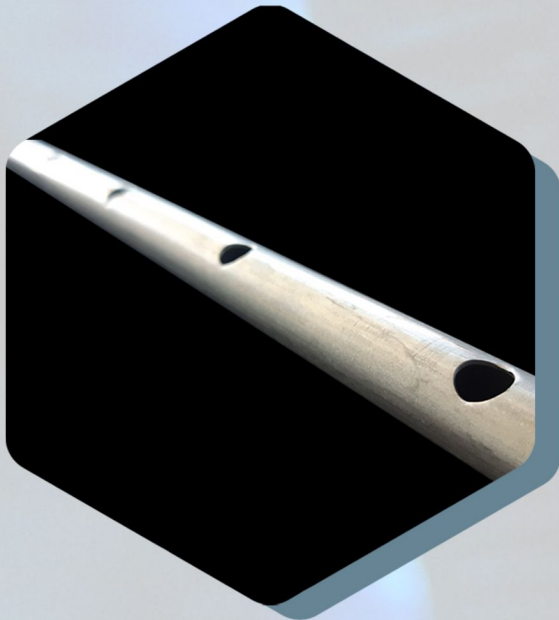
The inlet of the pipe is made via a two-step pressing process. This method ensures that the inlet shape has been properly formed and results in perfect sealing contact of the surface. The pipe's inlet form allows testing of quick coupling in mass production line. The nut can be provided in a variety of sizes per requirement.



Holes are precision punched so there is no scrap or powder inside of pipe. That's why inside of the pipe is always clear and nothing can interfere with the flow of the gas.

A variety of thread types and hole sizes can be provided on the pipe.

Distance between holes is determined according to our customer's design.



Aluminized sheet metal is used for brackets. One or more fixing brackets can be welded onto the pipe as needed.

