

Gas Monoblock Burners EQA 91

EQA 91 are monoblock burners which have been designed to cover a wide variety of applications, mainly boilers and furnaces.

This equipment has technological advantages of versatility and usefulness, similar to international advanced-technology burners, and with highly competitive cost. Parts supply and replacement are guaranteed by EQA S.A.I.C.

IMPORTANT ASPECTS TO HIGHLIGHT

Adjustable combustion head: Built to allow the burner obtain the best combustion values in every stage of the work case, field. This operation can be performed with the burner operating.

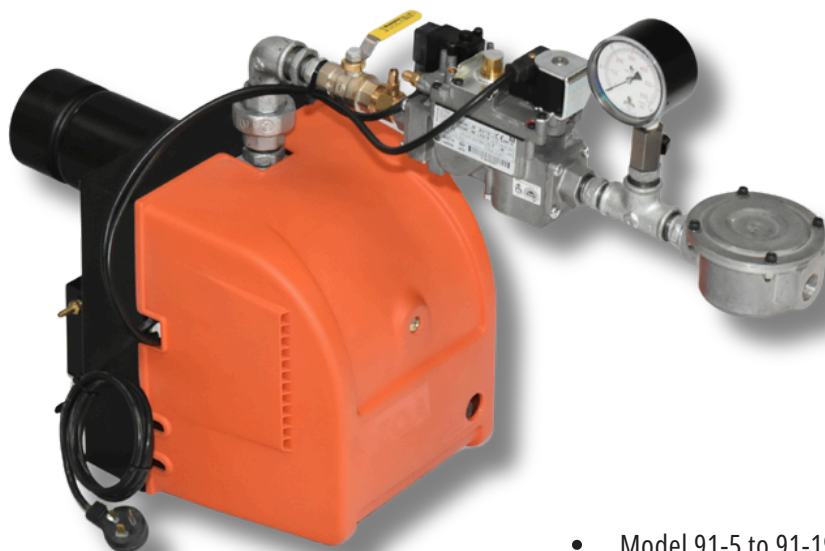
Connecting flange: Sliding on the combustion head operation allowing to find the proper position of the combustion head with respect to the boiler hearth and to obtain a perfect coupling of both elements.

Body: Hinged to facilitate maintenance and cleaning.

Fan: With special structure, of great pressurisation ensuring a safe operation, even when the burner is installed in pressurised or semipressurised boilers.

Control box: Assembled with electronic devices for operation and control of functioning cycle.

Design: It always ensures an easy access to all its components, making cleaning, control and maintenance easier.



- Model 91-5 to 91-19



- Model 91-21 to 91-360



OPERATION

There are four versions:

One Stage:

The burner starts up in one stage, reaching its maximum power on the time period required by the applicable standards, without intermediate stages.

Two Stages:

The burner has the following functions: First-stage ignition with reduced flame and second-stage ignition with maximum power. From this last position, the burner can turn the flame to reduced (by the corresponding pressure regulator or thermostat action).

Two Stages and Air Regulation:

As in the previous case, it can be operated with two different levels of heat rating, going from one to another by the operation of a sensor (thermostat or pressure regulator). With a motor-driven valve and a linkage system, which activate the air register in the burner, the air-gas relation can be regulated in both points of operation (minimum-maximum) with great precision, according to the demands of the boiler or furnace.

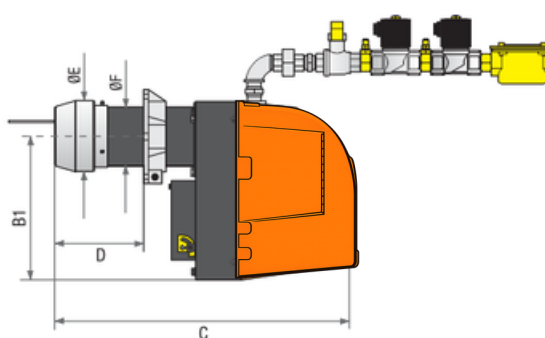
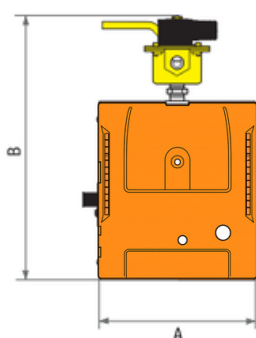
Modulating Mode:

As in the previous case, it has a motordriven valve and a linkage system. In the modulating mode, the actuator responds to a proportional signal; that is to say, it is not limited to two positions. These modulating burners are used when it is necessary to maintain pressure or temperature constant with a great precision, even when the working conditions at the boiler or furnace are variable. In this situation, the control instrument (pressure regulator or pyrometer) should be modulating (P.I.D. = Proportional, Integral, Derivative)

EQA 91 WITH PROTECTION CASE

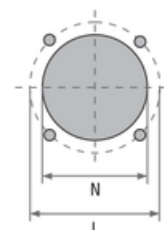
Modelos | Types

91-5
91-10
91-12
91-18
91-19
91-19T



Agujeros de fijación del quemador

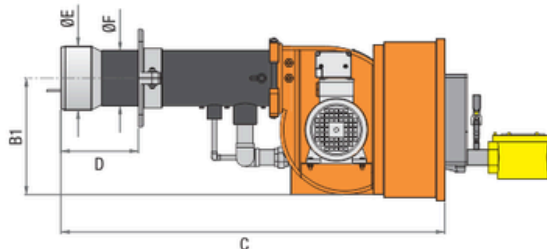
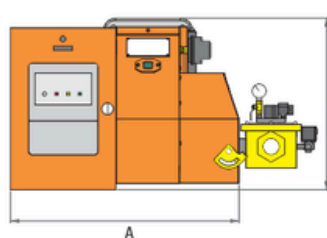
Drillings for burner mounting



EQA 91 WITHOUT PROTECTION CASE

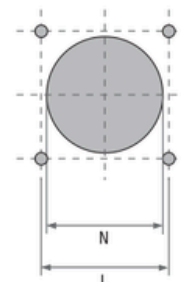
Modelos | Types

91-21
91-21T
91-22*
91-25
91-28
91-45
91-55
91-75
91-95
91-125
91-180
91-210
91-240
91-280
91-360



Agujeros de fijación del quemador

Drillings for burner mounting



NOTA : Las entradas de gas siempre son opuestas al lado de ubicación del motor (ver tabla abajo), excepto solicitud del cliente.

NOTE: Gas inlet always in opposite position to motor (see chart below), except under customer request.



DIMENSIONS (in mm) AND CAPACITIES

Type	A	B	B1	C	D min	D max	E	F	L min	L max	N	Max. Capacity	Pressurisation	Motor Pos.	Motor Power	
91-5	238	403	219	387	50	105	-----	90	130	155	95	50.000 Kcal/h	5...20 mmCA	A	130W	SINGLE PHASE
91-10	238	390	219	387	50	105	-----	90	130	155	95	100.000 Kcal/h	5...30 mmCA	A	130W	
91-12	238	390	219	387	50	105	-----	90	130	155	95	120.000 Kcal/h	5...30 mmCA	A	130W	
91-18	238	530	219	450	80	172	108	90	130	155	113	180.000 Kcal/h	5...30 mmCA	A	130W	
91-19	334	581	225	521	50	85	-----	90	130	155	95	100.000 Kcal/h	5...50 mmCA	A	130W	
91-19T	334	581	225	510	80	172	108	90	130	155	113	220.000 Kcal/h	5...50 mmCA	B	130W	
91-21	278	563	208	360	50	105	-----	90	130	155	95	100.000 Kcal/h	5...50 mmCA	B	130W	
91-21T	278	563	208	421	80	172	108	90	130	155	113	220.000 Kcal/h	5...50 mmCA	B	130W	
91-22*	424	641	284	575	80	172	114	-----	-----	-----	-----	200.000 Kcal/h	10...50 mmCA	C	0.5HP	
91-25	439	368	283	742	153	250	127	95	-----	132	-----	250.000 Kcal/h	10...50 mmCA	C	0.5HP	
91-28	482	377	280	839	150	310	154	133	135	167	159	300.000 Kcal/h	10...50 mmCA	C	0.5HP	
91-45	550	390	280	921	150	310	154	133	135	167	159	400.000 Kcal/h	10...60 mmCA	C	1HP	THREE PHASE
91-55	550	392	280	924	148	250	154	133	135	167	159	500.000 Kcal/h	20...60 mmCA	C	1HP	
91-75	550	445	305	965	263	162	170	133	135	167	159	650.000 Kcal/h	20...60 mmCA	C	1,5HP	
91-95	550	445	305	1122	252	324	230	156	159	192	232	800.000 Kcal/h	30...80 mmCA	C	2HP	
91-125	550	450	345	1122	252	324	230	156	159	192	232	1.100.000 Kcal/h	30...100 mmCA	C	3HP	
91-180	570	460	265	1260	246	357	270	191	195	235	275	1.500.000 Kcal/h	30...100 mmCA	C	4HP	
91-210	700	560	385	1350	246	357	270	191	195	235	275	1.500.000 Kcal/h	30...130 mmCA	B	5,5HP	
91-240	864	774	581	1350	325	433	320	217	229	282	325	2.000.000 Kcal/h	30...140 mmCA	B	5,5HP	
91-300	864	774	581	1670	325	433	320	217	229	282	325	2.500.000 Kcal/h	50...140 mmCA	B	7,5HP	
91-360	898	774	584	1710	309	367	356	272	276	329	361	3.500.000 Kcal/h	50...150 mmCA	B	10HP	

(*) Special Production (Consult us)

References:

A: FRONTAL B: RIGHT C: LEFT



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