PRESSURE REGULATORS EQA “CERO”

The Model 7218 “ZERO” Proportional Regulator is designed to ensure the air-gas ratio in forced-air gas combustion equipment, maintaining this ratio constant across its entire capacity range.

To vary the burner capacity, simply activate the air valve and the Cero Regulator will maintain a proportional gas flow.

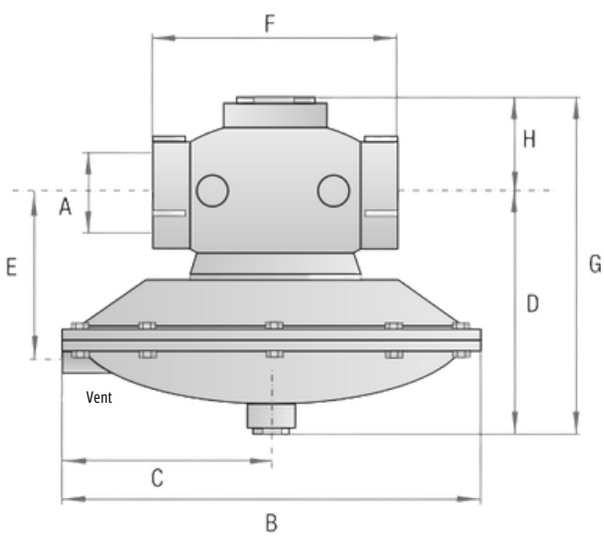
It is designed to withstand maximum pressures of 150 mbar, but can resist pressure increases of up to 300 mbar. It can be installed in a variety of ways to meet the different requirements of the industry.

The super-sensitive “CERO” Regulator (model 7218RT) is manufactured for combustion equipment where high sensitivity is required, as it fully meets the most critical needs.

Its construction is similar to that of model 7218, but it is positioned with the diaphragm case facing upwards and has an extra housing for the spring, which works under tension and is longer.

DIMENSIONS in mm

Ø Connection	A	B	C	D	E	F	G	H
3/4"	19	195	97.5	127	86.5	133	190	63
1"	25	195	97.5	127	86.5	133	190	63
1 1/4"	32	260	130	145	98	145	212	67
1 1/2"	38	260	130	145	98	145	212	67
2"	51	343	171.5	192	115	168	282	90
3"	76	420	210	213	122	240	325	112
4"	102	470	235	330	185	370	470	140

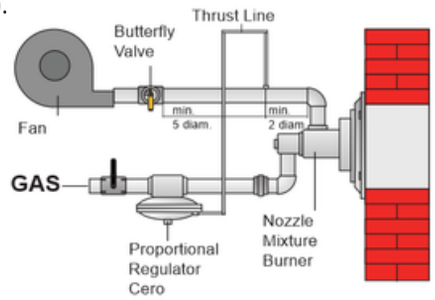


APPLICATION EXAMPLES

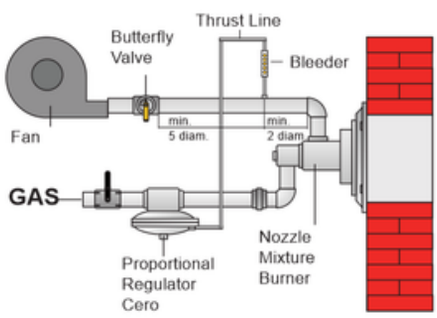
Nozzle mix burners:

In any nozzle mix burner or non-suction type burner, two cases may occur:

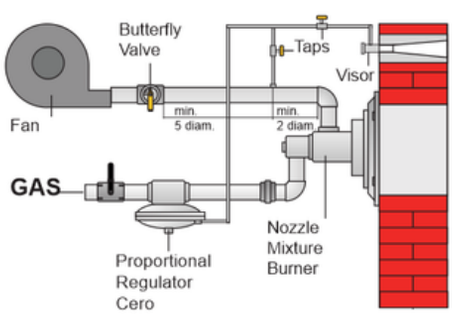
a) The gas pressure is **higher** than the air pressure: in this condition, the vent hole of the CERO regulator is connected to the air line, downstream of the control valve (without taking into account the internal pressure of the furnace).



b) Gas pressure is **lower** than air pressure: In this case, a connection is made as above, but with a bleeder inserted between the CERO regulator and the air line, which allows any percentage between 5% and 85% of the available air pressure to be obtained. This type of connection is only used when the pressure in the combustion chamber is atmospheric.

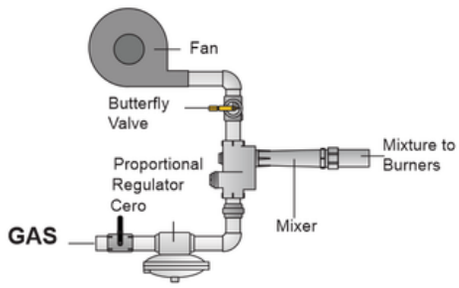


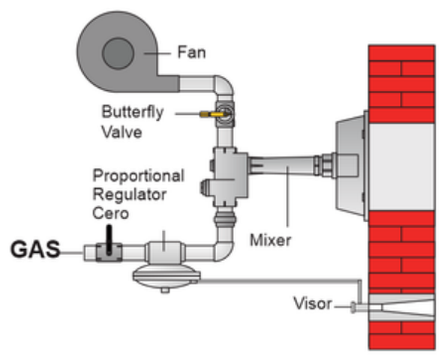
c) In the case of furnace pressures different from atmospheric pressure, the two-valve (or tap) air purge system is used for the impulse line.



Premix burners (EQA-76):

In burners of this type, it is placed directly in the gas line before the premixer, and no additional connections are necessary. Except in cases of furnaces with pressures very different from atmospheric pressure, in which case the vent hole of the CERO regulator must be connected to the combustion chamber of said furnace.





CAPACITY TABLE in Nm3/hour | Density 0,6

MODEL "CERO"

Measure	Pressure drop in mm.CA.					
	45	**90**	**110**	**130**	**175**	**265**
3/4"	5	7	8	9	10	12
1"	8	11	13	14	16	20
1 1/4"	16	23	25	28	32	40
1 1/2"	24	34	38	42	48	59
2"	48	68	76	83	96	118
3"	120	170	189	208	241	295
4"	214	313	348	382	443	542

At EQA, we strive to minimize our environmental impact through sustainable and responsible practices. Therefore, we encourage you to join our commitment and, at the end of the product's lifecycle, adhere to the current Municipal, Provincial, and National regulations regarding the classification, recycling, destruction, or disposal of the product, spare parts, non-reusable parts, and packaging. By doing so, we prevent environmental damage and promote reuse and recycling whenever possible. Thank you for your commitment and efforts in joining these actions.

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