

VENTURI MIXERS

MULTIFLO - MIXERS SERIES

FEATURES

- Compact construction: cast iron
- Max. air pressure: 140 mbar
- Max. mixture pressure: 40 mbar
- Wide modulating range

DESCRIPTION

Multiflo mixers are adjustable high efficiency proportional mixers. The energy of the air passing through the jet produces a suction (Venturi effect) to entrain a combustible gas and deliver the mixture to the burners.

A simple hand adjustment changes the air capacity and matches the mixer to the burners. The multiflo mixer uses a zero regulator to regulate the gas flow in correct ratio to air flow. A manual or motorized butterfly air valve in the air lines is used to vary air flow and heat output of the mixer.



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APPLICATIONS

- Adequate to all burners

INSTALLATION

- The air and gas supply piping and mixture manifold should be the same size or larger than the pipe sizes on the multiflo mixer body.
- Heat input can be varied by using only the air control valve.



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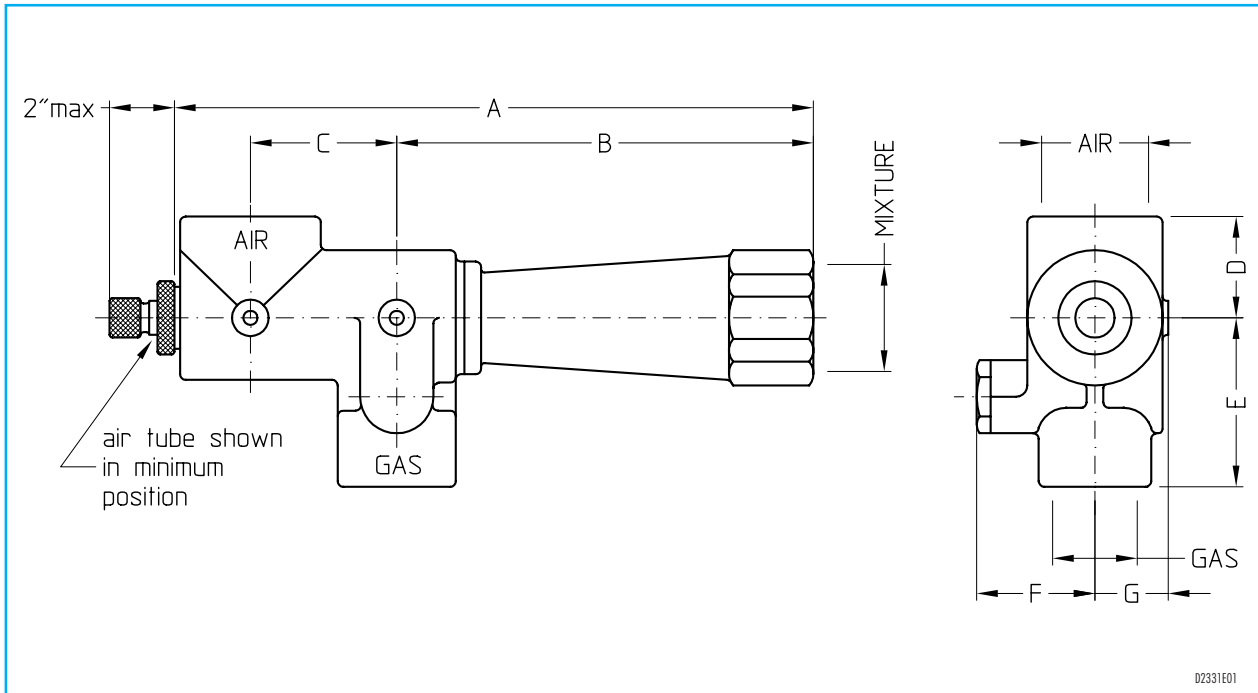
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CAPACITY TABLE

Catalog no.	Mixer pipe size npt	Capacity ranges kW at various air pressures at 100% aeration					
		17.6	35.2	52.8	70.4	105.6	140.8
		Minimum mixture pressures (mbar)					
		5	10	15	20	30	40
8 MF	1"	10	13	16	19	23	26
		23	32	41	47	57	64
12 MF	1.1/2"	21	29	35	41	50	59
		44	62	76	88	107	123
16 MF	2"	38	54	66	76	92	108
		82	117	142	164	201	234
24 MF	3"	73	103	127	147	149	205
		220	271	331	381	464	535

Capacity multiplier table								
Percent aeration (primary air)	50%	60%	70%	80%	90%	100%	110%	120%
Capacity multiplier	2.0	1.67	1.43	1.25	1.10	1.00	0.91	0.83

DIMENSIONS



Catalog no.	Air pipe npt	Gas pipe npt	Mixture pipe npt	A mm	B mm	C mm	D mm	E mm	F mm	G mm
8 MF	1"	3/4"	1"	184	113	44.5	38	57.2	41.3	25.4
12 MF	1.1/2"	1.1/4"	1.1/2"	279	181	63.5	44.5	76.2	50.8	31.8
16 MF	2"	1.1/2"	2"	317	206	70	50.8	82.6	57.2	36.5
24 MF	3"	2"	3"	530	362	111	82.6	127	90	54