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Optimized and New VariFuel2 Air/Fuel Ratio Mixer

VariFuel2
MOTORTECH AIR/FUEL RATIO MIXER

New Series 100-60

The VariFuel2 air/fuel ratio mixers are subject to constant technological development and improvement. Series 100 has been improved and now features a larger inside diameter of 60 mm.

The larger inside diameter of the new series makes a higher maximum air flow rate possible. Therefore, overlapping of the fields of application of the various VariFuel2 series extends. This leads to a higher tolerance when setting up VariFuel2 gas mixers for engines which are being equipped for different kinds of gases, such as biogas and natural gas.



The following table shows the extended range of VariFuel2 gas mixers with series 100 to 250. The replaced type 100-50 is marked in red.

VariFuel2-Series	100-50	100-60	140-80	200-120	250-150
Air requirement m ³ /h	150-350 m ³ /h	100-650 m ³ /h	200-1350 m ³ /h	500-3200 m ³ /h	1800-5200 m ³ /h
100					
200					
300					
400					
500					
750					
1.000					
1.250					
1.500					
2.000					
2.500					
3.000					
3.500					
4.000					
4.500					
5.000					
5.500					

DISTRIBUTION

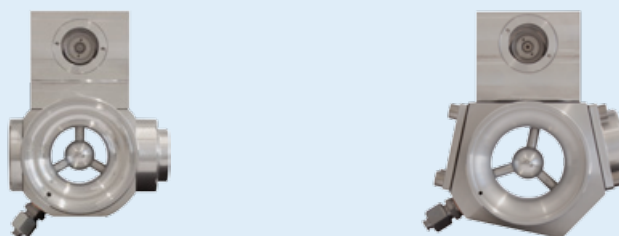
Customers / others	Yes
Representatives and Sales Partners	Yes
OEM partners	Yes
MOTORTECH subsidiaries	Yes

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Please note that the optimization of series 100 has been realized without price changes.

In order to guarantee a trouble-free installation of the optimized air/fuel ratio mixer, MOTORTECH paid attention to maximum mechanical compatibility: The dimensions which are most important for the installation of the air/fuel ratio mixers remain unchanged in order to enable an implementation into an existing engine setup, or in order to use existing outlet flanges. The available gas inlet flanges for the new mixer correspond to the ones used for series 140.



Dimensions	VariFuel2-series 100	
	100-50	100-60
Outside diameter of gas mixer	100 mm/3.94"	100 mm/3.94"
Inside diameter of nozzle	50 mm/1.97"	60 mm/2.36"
Mixer length	107 mm/4.21"	107 mm/4.21"
Maximum length (including stepper motor)	214 mm/8.43"	235 mm/9.25"
Maximum width	124 mm/4.88"	155 mm/6.11"
Maximum height	200 mm/7.87"	206 mm/8.11"

Go to www.motortech.de/datasheets.html to download technical data sheets with additional information on the VariFuel2 air/fuel ratio mixers.

Flow Bodies

Due to the new, larger inside diameter of the air/fuel ratio mixer, larger flow bodies are required for the same air consumption. Contact MOTORTECH or your nearest sales representative for the appropriate dimensioning of new flow bodies.



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