

New Product	Product Update	Product Information
Technical Information	Price Update	Marketing Information
No. 2014/19	Date August 01, 2014	Page 1/1

Optimized and New VariFuel2 Air/Fuel Ratio Mixers

The VariFuel2 air/fuel ratio mixers are subject to constant technological development and improvement. For an air consumption of more than 2,800 Nm³/h, MOTORTECH is introducing the new series 250. These VariFuel2 gas mixers are made for an air flow rate of up to 5,000 Nm³/h. Series 140 and 200 have been improved and now feature larger inside diameters of 80 mm and 120 mm respectively.

The larger inside diameters of the new series make 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 types 140-65 and 200-100 are marked in red.

VariFuel2
MOTORTECH AIR/FUEL RATIO MIXER



	VariFuel2 series	VariFuel2 series		VariFuel2 series		VariFuel2 series
	100-50	140-65	140-80	200-100	200-120	250-150
Air consumption Nm ³ /h	150-350 Nm ³ /h	350-850 Nm ³ /h	300-1,300 Nm ³ /h	800-2,300 Nm ³ /h	850-3,200 Nm ³ /h	2,500-5,000 Nm 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						

Available in:
Q4 2014

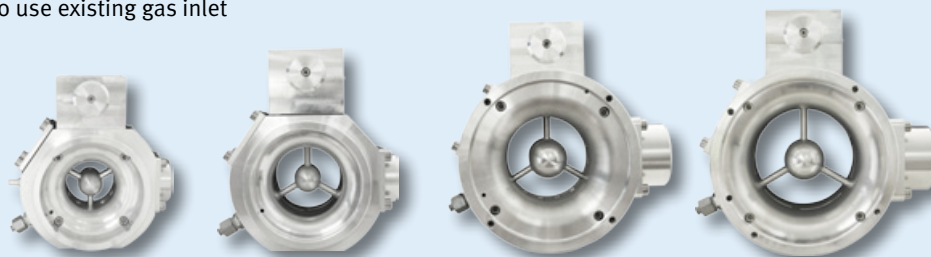
Distribution

Customers / others	Yes	OEM partners	No
Representatives and sales partners	Yes	MOTORTECH subsidiaries	Yes



Please note that the optimization of series 140 and 200 has been realized without price changes.

In order to guarantee a trouble-free installation of the optimized air/fuel ratio mixers, 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 gas inlet and outlet flanges.



Dimensions

	VariFuel2 series 140		VariFuel2 series 200	
	140-65	140-80	200-100	200-120
Outside diameter of gas mixer	140 mm	140 mm	203 mm	203 mm
Inside diameter of nozzle	65 mm	80 mm	100 mm	120 mm
Mixer length	146 mm	146 mm	161 mm	161 mm
Maximum length (including stepper motor)	242 mm	248 mm	237 mm	237 mm
Maximum width	208 mm	204 mm	221 mm	236 mm
Maximum height	222 mm	233 mm	265 mm	271 mm

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

Due to the new, larger inside diameters of the air/fuel ratio mixers, 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.

