

# VariFuel2-TEM

Air/Gas Mixer for **MWM**® TCG 2016 V08 C, V12 C and V16 C Gas Engines





# ■ Air/Fuel Ratio Control Systems

## VariFuel2-TEM Air/Gas Mixer For **MWM®** TCG 2016 V08 C, V12 C and V16 C Gas Engines

The VariFuel2-TEM air/gas mixer is based on the proven design of the VariFuel2 series and is specially designed for use with MWM® gas engines. Designed as a replacement and plug-and-play solution for the gas mixers used on the TCG 2016 series, the VariFuel2-TEM easily fits into the existing engine structure without any mechanical modifications.

In addition to full compatibility, both mechanically and in connection with existing TEM controllers, the VariFuel2-TEM contributes to an improvement of the starting behavior and mixture control via its variable fuel ring and enables low-maintenance operation over a long period of time.



- Plug-and-play solution for easy replacement of the original gas mixer without mechanical modifications or cabling adjustments
  - 1 Suitable flanges for direct connection to existing intake manifold, suction hose and gas train
  - 2 Stepper motor with connecting cable and mating connector to multifunction rail
  - 3 Position sensor suitable for cabling of the multifunction rail
- Direct control by existing TEM management system
- The variable fuel ring of the VariFuel2-TEM improves the mixture control behaviour and thus enables an optimized starting behaviour and performance, especially in operation with special gases
- Low-maintenance part reduces operating costs by saving expensive repair kits





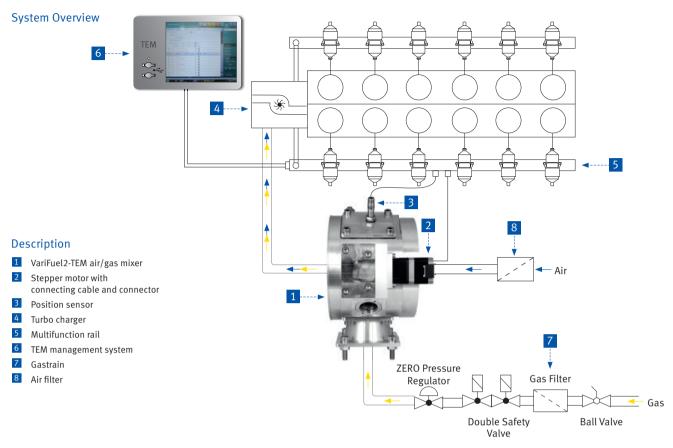






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#### VariFuel2-TEM Air/Gas Mixer for MWM® TCG 2016 V08 C, V12 C and V16 C Gas Engines

P/N	Supersedes	Description	Equivalent to
30.45.200-120DG-XA		VariFuel2-TEM air/gas mixer for MWM® TCG 2016 V08 C, V12 C and V16 C gas engines	

#### VariFuel2 Air/Gas Mixer for MWM® TCG 2016 V08 C, V12 C and V16 C Gas Engines 1)

P/N	Supersedes	Description	Equivalent to
30.45.200-120D-XA		VariFuel2 air/gas mixer for MWM® TCG 2016 V08 C, V12 C and V16 C gas engines	

<sup>1)</sup> Can be used for conversions of MWM® air/gas mixer only when TEM engine management system is also replaced by ALL-IN-ONE system.

#### Flow Bodies for VariFuel2-TEM and VariFuel2 Air/Gas Mixer for MWM® TCG 2016 V08 C, V12 C and V16 C Gas Engines 1)

P/N	Supersedes	Description	Diameter	Application	Fuel	Equivalent to
31.01.720-85.0-3		Flow body	85.0 mm	MWM® TCG 2016 V08 C	Biogas	
31.01.720-70.0-3		Flow body	70.0 mm	MWM <sup>®</sup> TCG 2016 V08 C	Natural Gas	
31.01.720-60.0-3		Flow body	60.0 mm	MWM® TCG 2016 V12 C	Biogas	
31.01.720-30.0-3		Flow body	30.0 mm	MWM® TCG 2016 V12 C	Natural Gas	
31.01.720-65.0-3		Flow body	65.0 mm	MWM® TCG 2016 V16 C	Biogas	
31.01.720-50.0-3		Flow body	50.0 mm	MWM <sup>®</sup> TCG 2016 V16 C	Natural Gas	

 $<sup>^{\</sup>scriptsize 1)}$  Flow body needs to be ordered separately according to application.



Please note that mentioned flow bodies are specified on basis of available engine data and are for reference only. Please consult the factory or your nearest MOTORTECH sales partner to get the correct flow body specified for your engine application.



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P/N 01.55.014-EN | Rev. 09/2019 | VariFuel2-TEM

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