

# New Static Air/Gas Mixers (P/N 30.49.xxx.xx)

## Replacement for Static Air/Gas Mixers (P/N 30.46.xxx.xx)

The MOTORTECH static venturi air/gas mixers (P/N 30.49.xxx.xx) are the newest variants of the existing air/gas mixer product series (P/N 30.46.xxx.xx). They have been designed to replace all variants of P/N 30.46.xxx.xx with immediate effect.

The new air/gas mixers are available in series 100-60, 140-80 and 200-120 and can be easily adapted to their respective application by using different sized flow bodies.

In addition to the flow bodies, a variety of accessories including gas adjustment screws and inlet and outlet flanges are available. This allows users to create mixing systems suitable for multiple installation environments.



### FEATURES & ADVANTAGES

- > Use for a wide range of gas types: natural gas, landfill gas, sewage gas, biogas, mining gas, wood gas...
- > Reduced number of parts delivers a 30% weight reduction over the previous version.
- > One-piece flow bodies reduce cost and installation time
- > Two gauge ports for gas pressure measurement and impulse line connection
- > Full compatibility with VariFuel2/2+ and VariFuel3 inlet and outlet flanges
- > Casted housing and inlet parts
- > Premium quality materials

### TECHNICAL DATA

Air flow range:	
> Series 100-60	100 to 650 m <sup>3</sup> /h
> Series 140-80	200 to 1.300 m <sup>3</sup> /h
> Series 200-120	500 to 3.600 m <sup>3</sup> /h
Ambient temperature range	-20 to 80 °C
Maximum medium temperature	50 °C

**ORDERING INFORMATION**

P/N	Description	Supersedes
30.49.100-60	Static air/gas mixer, series 100-60	30.46.100-60
30.49.140-80	Static air/gas mixer, series 140-80	30.46.140-80
30.49.200-120	Static air/gas mixer, series 200-120	30.46.200-120
31.01.715-023.0	Flow body, D 23 mm, one-piece	
31.01.715-030.0	Flow body, D 30 mm, one-piece	
31.01.715-040.0	Flow body, D 40 mm, one-piece	
31.01.715-060.0	Flow body, D 60 mm, one-piece	
31.01.715-070.0	Flow body, D 70 mm, one-piece	
31.01.715-080.0	Flow body, D 80 mm, one-piece	
31.01.715-090.0	Flow body, D 90 mm, one-piece	

**ADDITIONAL (OPTIONAL) ITEMS**

P/N	Description	For use with
30.20.003	Main adjustment screw, 1 in	series 100-60 and 140-80
30.30.102	Gas inlet flange, 1 in	series 100-60 and 140-80
30.20.004	Main adjustment screw, 1 ¼ in	series 100-60 and 140-80
30.30.103	Gas inlet flange, 1 ¼ in	series 100-60 and 140-80
30.20.005	Main adjustment screw, 1 ½ in	series 100-60 and 140-80
30.30.104	Gas inlet flange, 1 ½ in	series 100-60 and 140-80
30.30.106	Gas inlet flange, 1 ½ in	series 200-120
30.20.006	Main adjustment screw, 2 in	series 200-120
30.30.107	Gas inlet flange, 2 in	series 200-120
30.20.007	Main adjustment screw, 2 ½ in	series 200-120
30.30.108	Gas inlet flange, 2 ½ in	series 200-120

⚠ The assignment of the main adjustment screws to the air/gas mixer size may vary depending on the gas type, gas quantity and application and should therefore be regarded as a recommendation.