

# Discontinuation and Replacement of VariFuel2/2+ sizes 140-80 and 200-120

MOTORTECH is announcing the discontinuation and replacement of the following Air/Gas Mixer of the series VariFuel2 and VariFuel2+ as well as selected flow-body sizes which will be taken out of production by 31.12.2023.

The VariFuel2 and VariFuel2+ series 140-80 and 200-120 are replaced by the new series VariFuel3 140-80 and 200-120. New and improved flowbodies and a stepper motor harness is available as replacement.

## DEADLINES

Last order: October 2023  
Last shipment: December 2023

VariFuel2/2+ repair kits will be available until 2028.



**VariFuel2** MOTORTECH AIR/GAS MIXER    **VariFuel2+** MOTORTECH AIR/GAS MIXER

## BENEFITS OF VARIFUEL3 SERIES

- > Reduced weight up to -30 % due to aluminum casted parts
- > One-piece flowbodies reduce assembly time
- > Improved fuel ring geometry
- > Reduced number of flowbodies
- > New bayonet connector
- > Extended ambient temperature range
- > Full compatibility with VariFuel2/2+ inlet and outlet flanges
- > Compatible with MOTORTECH VariStep and VariStep3



**VariFuel3** MOTORTECH AIR/GAS MIXER

**Note:** If VariFuel2/2+ Air/Gas mixers are replaced in the field, a new AFR-controller mapping may be required due to improved fuel ring design!

The following VariFuel2/2+ flowbodies will be discontinued without direct replacement. These sizes can be replaced by neighbor sizes of the VariFuel2 series if required.

VariFuel2/2+ flowbodies can not be replaced by VariFuel3 flowbodies due to new design.

**Part numbers to be discontinued or replaced:**

| P/N                                | Description                             | Replaced by/availability         |
|------------------------------------|---|----------------------------------|
| 30.45.200-120D /<br>30.45.201-120D | VariFuel2 Air/Gas Mixer, series 200-120 | 30.48.200-120D VariFuel3 200-120 |
| 30.45.140-80D /<br>30.45.141-80D   | VariFuel2 Air/Gas Mixer, series 140-80  | 30.48.140-80D VariFuel3 140-80   |
| 31.01.720-32.5-3                   | D 32.5 mm 2-piece flowbody              | to be discontinued               |
| 31.01.720-37.5-3                   | D 37.5 mm 2-piece flowbody              | to be discontinued               |
| 31.01.720-42.5-3                   | D 42.5 mm 2-piece flowbody              | to be discontinued               |
| 31.01.720-47.5-3                   | D 47.5 mm 2-piece flowbody              | to be discontinued               |
| 31.01.720-57.5-3                   | D 57.5 mm 2-piece flowbody              | to be discontinued               |
| 31.01.720-62.5-3                   | D 62.5 mm 2-piece flowbody              | to be discontinued               |
| 31.01.720-67.5-3                   | D 67.5 mm 2-piece flowbody              | to be discontinued               |
| 31.01.720-72.5-3                   | D 72.5 mm 2-piece flowbody              | to be discontinued               |
| 31.01.720-77.5-3                   | D 77.5 mm 2-piece flowbody              | to be discontinued               |
| 31.01.720-82.5-3                   | D 82.5 mm 2-piece flowbody              | to be discontinued               |
| 31.01.720-87.5-3                   | D 87.5 mm 2-piece flowbody              | to be discontinued               |
| 31.01.720-92.5-3                   | D 92.5 mm 2-piece flowbody              | to be discontinued               |
| 31.01.720-97.5-3                   | D 97.5 mm 2-piece flowbody              | to be discontinued               |
| 31.01.720-102.5-3                  | D 102.5 mm 2-piece flowbody             | to be discontinued               |
| 31.01.720-107.5-3                  | D 107.5 mm 2-piece flowbody             | to be discontinued               |
| 31.01.720-115.0-3                  | D 115.0 mm 2-piece flowbody             | to be discontinued               |
| 31.01.720-125.0-3                  | D 125.0 mm 2-piece flowbody             | to be discontinued               |
| 31.01.720-135.0-3                  | D 135.0 mm 2-piece flowbody             | to be discontinued               |
| 31.01.720-145.0-3                  | D 145.0 mm 2-piece flowbody             | to be discontinued               |

**The following flowbodies will remain available:**


| P/N               | Description                 | Replaced by/availability |
|-------------------|-----------------------------|--------------------------|
| 31.01.720-23.0-3  | D 23.0 mm 2-piece flowbody  | remains available        |
| 31.01.720-27.5-3  | D 27.5 mm 2-piece flowbody  | remains available        |
| 31.01.720-30.0-3  | D 30.0 mm 2-piece flowbody  | remains available        |
| 31.01.720-35.0-3  | D 35.0 mm 2-piece flowbody  | remains available        |
| 31.01.720-40.0-3  | D 40.0 mm 2-piece flowbody  | remains available        |
| 31.01.720-45.0-3  | D 45.0 mm 2-piece flowbody  | remains available        |
| 31.01.720-50.0-3  | D 50.0 mm 2-piece flowbody  | remains available        |
| 31.01.720-52.5-3  | D 52.5 mm 2-piece flowbody  | remains available        |
| 31.01.720-55.0-3  | D 55.0 mm 2-piece flowbody  | remains available        |
| 31.01.720-60.0-3  | D 60.0 mm 2-piece flowbody  | remains available        |
| 31.01.720-65.0-3  | D 65.0 mm 2-piece flowbody  | remains available        |
| 31.01.720-70.0-3  | D 70.0 mm 2-piece flowbody  | remains available        |
| 31.01.720-75.0-3  | D 75.0 mm 2-piece flowbody  | remains available        |
| 31.01.720-80.0-3  | D 80.0 mm 2-piece flowbody  | remains available        |
| 31.01.720-85.0-3  | D 85.0 mm 2-piece flowbody  | remains available        |
| 31.01.720-90.0-3  | D 90.0 mm 2-piece flowbody  | remains available        |
| 31.01.720-95.0-3  | D 95.0 mm 2-piece flowbody  | remains available        |
| 31.01.720-100.0-3 | D 100.0 mm 2-piece flowbody | remains available        |
| 31.01.720-105.0-3 | D 105.0 mm 2-piece flowbody | remains available        |
| 31.01.720-110.0-3 | D 110.0 mm 2-piece flowbody | remains available        |
| 31.01.720-120.0-3 | D 120.0 mm 2-piece flowbody | remains available        |
| 31.01.720-130.0-3 | D 130.0 mm 2-piece flowbody | remains available        |
| 31.01.720-140.0-3 | D 140.0 mm 2-piece flowbody | remains available        |
| 31.01.720-150.0-3 | D 150.0 mm 2-piece flowbody | remains available        |

**The following VariFuel2/2+ part numbers will remain without a change:**

| P/N                                      | Description                         | Replaced by/availability |
|--|-------------------------------------|--------------------------|
| 30.45.100-60D                            | VariFuel2 100-60 Air/Gas mixer      | remains available        |
| 30.45.250-150D                           | VariFuel2 250-150 Air/Gas mixer     | remains available        |
| 30.45.251-150D                           | VariFuel2+ 250-150 Air/Gas mixer    | remains available        |
| 30.45.300-190D                           | VariFuel2 300-190 Air/Gas mixer     | remains available        |
| 30.45.301-190D                           | VariFuel2+ 300-190 Air/Gas mixer    | remains available        |
| 30.45.200-120D-XA,<br>30.45.200-120DG-XA | VariFuel2-TEM 200-120 Air/Gas mixer | remains available        |
| 30.45.250-150DG-XA,<br>30.45.250-150D-XA | VariFuel2-TEM 250-150 Air/Gas mixer | remains available        |

**New part numbers for VariFuel3 140-80 and 200-120:**

| P/N             | Description   |
|-----------------|---|
| 30.48.200-120D  | VariFuel3 200-120 Air/Gas mixer   |
| 30.48.140-80D   | VariFuel3 140-80 Air/Gas mixer  |
| 31.01.972-10000 | Bayonet stepper motor harness   |
| 31.01.715-023.0 | D 23 mm 1-piece flowbody  |
| 31.01.715-030.0 | D 30 mm 1-piece flowbody  |
| 31.01.715-040.0 | D 40 mm 1-piece flowbody  |
| 31.01.715-060.0 | D 60 mm 1-piece flowbody  |
| 31.01.715-070.0 | D 70 mm 1-piece flowbody  |
| 31.01.715-080.0 | D 80 mm 1-piece flowbody  |
| 31.01.715-090.0 | D 90 mm 1-piece flowbody  |
| 31.02.520       | Bayonet adapter (for replacing existing VariFuel2/2+ in the field without changing the existing harness)<br>Note: New AFR mapping required! |

 Do you have any question? Please feel free to call our sales team (phone number: +49 5141 9399-0) or write a request by mail to [sales@motortech.de](mailto:sales@motortech.de).