

## Overview Drawings

For VariFuel3 Series 200-120



**1** Mounting plate **2** Mandrel

## VariFuel3 Adjustment Tool for Belt Tension



### Gas! Danger to life! Explosion hazard!

Leaking gas may cause death or severe health damages if inhaled, and there is a risk of explosion. Upon completion of all assembly works, always check the system's tightness.

All works involving gas-carrying parts must be executed by trained personnel only.

### Functional Description

The VariFuel3 adjustment tool for belt tension is used to accurately adjust the drive belt tension of a VariFuel3 air/fuel ratio mixer from the 200-120 series.

### Scope of Supply

VariFuel3 adjustment tool for belt tension, screwdriver TX30, hex key SW6, hex screw M8x20 (2x), instructions for use, plastic box

### Application

The belt tension must be adjusted in the following situations:

- every time the drive belt is exchanged
- after every action that affects the drive belt tension

The tool must only be used by personnel with professional knowledge in the installation of air/fuel ratio mixers.

### Preparations

Typically, you adjust the belt tension when the VariFuel3 is not mounted on the engine.

If the VariFuel3 is mounted on the engine, make sure that the following conditions are met for adjusting the belt tension:

- The engine must be switched off.
- The air and fuel supply to the VariFuel3 must be closed.
- The stepper motor of the VariFuel3 must not be supplied with power.

## Adjusting the Belt Tension

First, note the information in section *Preparations* on page 1. Then proceed as follows:

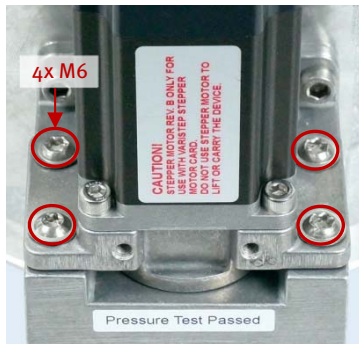
1. The belt tension is adjusted via the gas inlet which is left in the direction of the air flow.



2. Open this gas inlet by removing the cover or the flange.



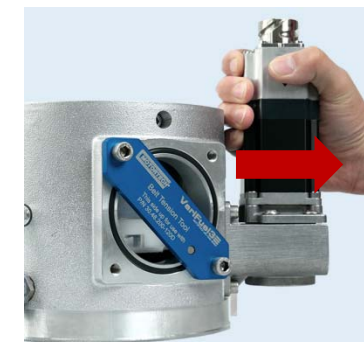
3. Relax the belt by loosening the screws of the adapter plate so that the screws remain screwed in, but you can move the adapter plate.



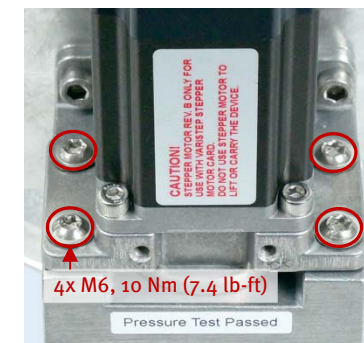
4. Mount the adjustment tool onto the opened gas inlet with the imprint upside. Use the supplied hex screws M8x20 for this step. The mandrel must exert pressure onto the drive belt as displayed below.



5. Tighten the drive belt by pulling up the adapter plate as far as possible and holding it.



6. While holding the adapter plate in this position, tighten the screws of the adapter plate with a torque of 10 Nm (7.4 lb-ft).



7. Remove the adjustment tool.
  - The drive belt now has the right tension.