

## Adjustment of the Counter Unit for the CBI Mechanical Fuel Blender

### TURNKEY SOLUTIONS

There are many variables to take into account when fitting a blending system and our highly skilled engineers will adapt our system to fit your exact requirements.

### TECHNICAL SUPPORT

We are with you all the way. Before, during and after the installation to secure a flawless integration and operation.

### ZERO DOWNTIME

As a central part of a bunker delivery system; mechanical stability, toughness and durability is an important aspect of the manufacturing and design philosophy.

For more information on these or other of our products or services please visit us on the Web at:

[www.cbi.dk](http://www.cbi.dk)



### General

When replacing or adjusting the mechanical counter on a CBI Mechanical Fuel Blender the following procedures must be followed.

### Procedure

1. Remove the old Counter unit, clean all surfaces and lubricate screws.
2. Mount the new counter in loose position.
3. Turn the hand wheel clock-wise until you reach the end-stop and check if the counter reading is "104.0"
4. Turn the hand wheel counter clock-wise until you reach the end stop and check if the counter reading is "996.0"
5. If there are any deviations, adjust equally between the two figures and then screw the counter to the shaft for fixed position.  
**IF NOT** – then the counter must be adjusted equally between "000.0" and "100.0". The adjustment is correct when the counter show "50.0" (which is 50% of one side of the chamber.

6. **NOTE:** When you turn the handwheel clock-wise the piston moves towards you (and not away). Also note that the nuts must NOT be moved from end-stop. They should remain in the same position as when the unit was supplied.
7. If the "nuts" are moved a little (some times this is necessary to reach 100/100) you have to center the "mixer-shovel" in the upper part of the blender and adjust the counter to reading "50.0" – then you turn the hand wheel clock-wise to reading "104.0" and check if this side is completely closed.
8. Now the entire shaft – in the upper part of the blender – is taken out and the nut must be adjusted in line with the "mixer-shovel" and sealed.
9. The same procedure must be repeated for the other side of the blender. Remember to check that the chamber is completely closed and then take the shaft out again and adjust the Nut towards the mixer-shovel and seal the unit.

If you need further assistance please contact our Technical Services Department.

Before calling please make sure you have the serial no at hand as we can then identify the actual blender supplied.



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