

## Z6 INDEX:

# A new face for the diaphragm meter

Since 1993, the Z3 index has been the well-known face of all of the ELSTER-KROMSCHRÖDER diaphragm meters, from the BK-G2.5 up to the G100. Just like its direct predecessor, the Z1, the Z3 has, however, only been granted a 10-year product life cycle on our diaphragm meters. Starting in 2004, the Z6 will be ready to take the place of the Z3 and will prove to be a more than competent replacement.

Within the first half of 2004, the BK-G2.5 (V1.2) with a one-pipe connection will be the first meter to be converted to the new index. In this phase, the production capacity of the new index will be limited so only a few BK-G4 (V2) meters will be manufactured with the Z6. That will change towards the end of the third quarter when the capacity will have greatly increased and all of the BK-G4s will have been converted. The larger meters, from BK-G6 up to G100, will then follow starting at the beginning of 2005. The approval for the new Z6 was arranged through the PTB in the form of an appendix to the already existing EU approval for the Z3 index. This means that meters with the Z6 have the same certification number as the previous devices and there is, therefore, no difference when it comes to the statistical recalibration.

The Z3 index first appeared on the market in 1992 when the BK-G6 was introduced. In the course of 1993, it was carried over to the entire series of meters up to the G100. With the integration of the pulse magnets, which were a standard feature, it became possible for the first time in the history of gas metering to retrofit a pulser without infringing the calibration seal.

Faster, higher, further. Every product nowadays must live up to this motto. So, where are the improvements in the Z6 index? Naturally enough, it also has an in-built pulse magnet. By separating the frame from the cover, the index can now be mounted onto a non-moving meter making it possible, and without a great deal of difficulty, to check whether the change gears are running smoothly. With the Z3, where the assembly was hidden, this always involved a certain amount of feeling and good faith. Nevertheless, the Z3 never let us down. The index plate on the Z6 can be changed without the need for a special device. These improvements are of particular importance to you or your service organisation when it comes to recalibration. For every operator the readability



Z6 (left) and Z3: similar, but completely different!

is the highest priority. Here we have also improved the Z6 in comparison with its predecessor. The distance between the number rolls and the index plate has been greatly reduced.

The most important improvement can be found in a completely new option, which turns the ELSTER-KROMSCHRÖDER devices from simple 'gas meters' into 'billing meters' – the two-digit control number known as CHEKKER®. You will find more information on that in the next issue of Profiles. And should you be very curious about what is behind CHEKKER®, you are welcome to contact me directly: tel. +49 (541) 12 14-272

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