

INIMITABLE ELSTER GAS
METERING DEVICES

Small is more

Turbine gas meters are well-known for being highly accurate mechanical metering devices. For the EU approvals the normal flow range is 1:20, i.e. the minimum flow rate Q_{min} in a meter is 20 times lower than the maximum flow rate Q_{max} .

To replace the G100 DN 80 turbine meter, which has a DN 50 measuring cartridge, we now have the G100 DN 80 with a DN 80 cartridge and a flow range of 1:20 (Fig. 1). When compared to the existing versions, this new meter has a much lower pressure loss at Q_{max} , namely 2 mbar with natural gas. It is available with either self-lubricating or oil-lubricated bearings and can be supplied either with (TRZ-IFS) or without (TRZ) a built-in flow straightener. With the G160 DN 80 model the flow range has now been increased to 1:30 (national approval).



Fig. 1: TRZ-IFS G100 DN 80 with a flow range of 1:20

Uniform design



Fig. 2: Whether they're big or small, it's without doubt the same family

The QA/QAe family (Fig. 2) has now been extended to include smaller devices with diameters of DN 40 and DN 50 which have the same modern housing design as the bigger meters. The QA Quantometers have a successful track record when it comes to calibrated internal measurements, i.e. measurements which are not used for billing purposes. The new devices, starting from DN 40, also come with the unmistakable Elster seal of quality.