

Proven technology – innovative enhancements!
SITRANS F R rotary-piston meters –
unbeatably up-to-date



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SITRANS F R rotary-piston meters – for reliable and exact measurements

Rotary-piston meters by Siemens are bestsellers. Although millions of them have been sold over the past few decades, they still have lost none of their attractiveness. The benefits offered by their conventional mechanical measuring technique include reliability, precision and a robust design.

Rotary-piston meters function reliably and provide exact measurements, even in the most demanding applications and under extreme conditions:

- In aggressive or high-viscosity media, for example
- Also suitable for demanding measurement tasks involving alcohol, hot bitumen, hydrochloric acid, resins, oils, cocoa butter, offset inks, soda lyes or foodstuffs

That's why our rotary-piston meters continue to be indispensable in the chemical, petrochemical, pharmaceutical, energy and food industries to this day.



Simple design, yet highly reliable performance

Compact design and wear-resistant components ensure that device failures are extremely rare, even under the most extreme conditions. We have improved our repair service concept even further, however, just in case the rotary piston or the partition should need replacing after many years of problem-free operation:

- Optimized test stands make it possible to ascertain any change in measuring accuracy after years of use, and the existing adjustment wheels make it possible to compensate for any wear.
- Fixed repair prices allow economic analysis in advance of actual repairs.
- Our spare parts inventory is well-stocked, ensuring suitable expansion modules are available whenever needed, even for older devices.

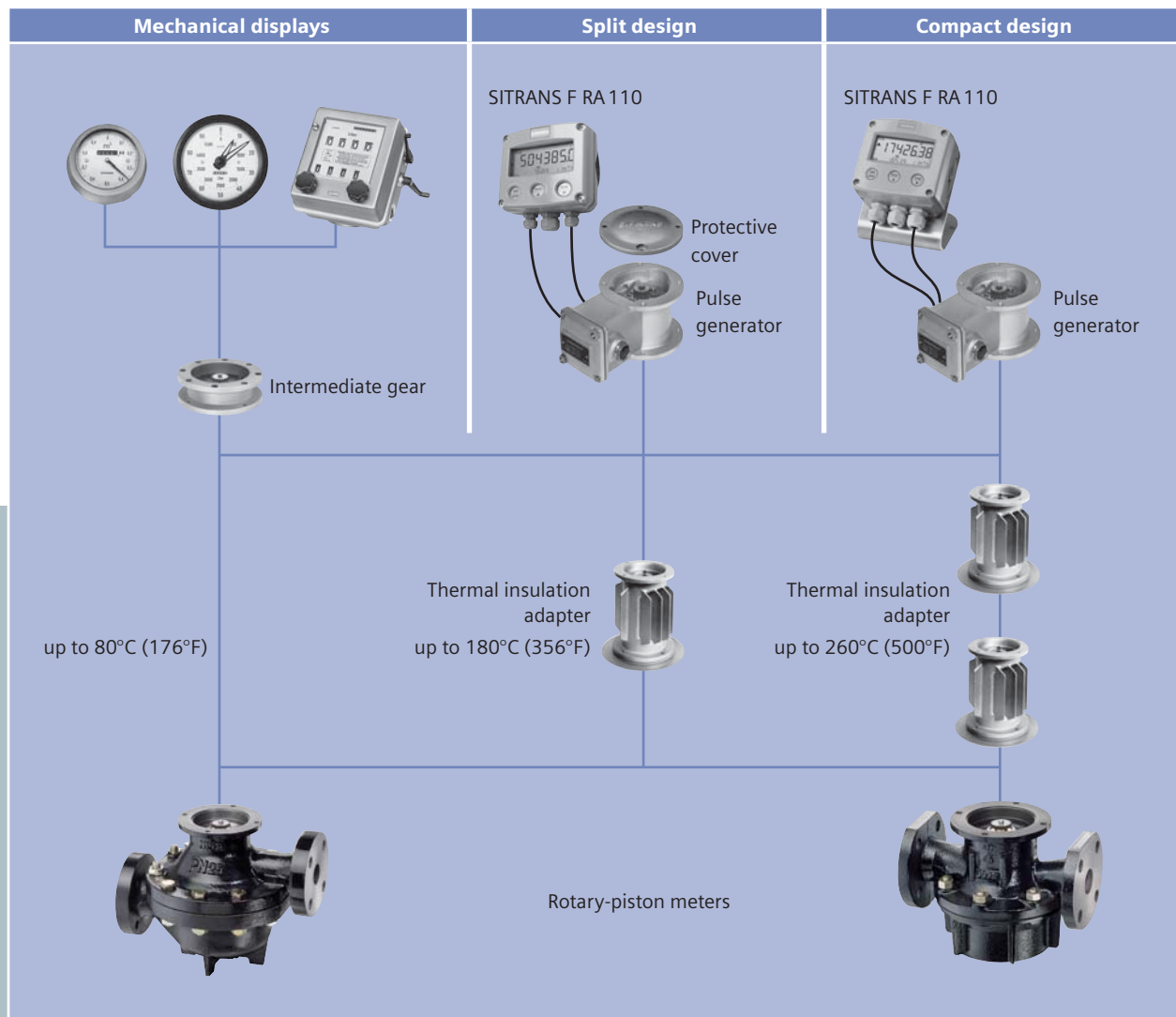
SITRANS F R rotary-piston meters – overview of highlights

- Complete measuring device from one provider – easy operation, wide variety of installation possibilities
- Approved for measurements requiring official calibration (PTB: German national metrology institute)
- Measuring of high-viscosity and low-viscosity fluids (0.3 mPa.s – 350,000 mPa.s)
- Measuring at operating temperatures of up to 300°C (572°F)
- Available with external heating
- Measuring and dosing without auxiliary power
- Suitable for mobile applications, e.g. on vehicles
- Easy installation, no uninterrupted arc-in or arc-out sections required
- Independent of flow profile, conductivity or attenuation
- Modular design – the right solution for any application:
 - Mechanical displays without current/pulse output
 - Digital displays with current and pulse output – split and compact designs
- Only one order number for rotary-piston meter models with pulse generators
- Measurement technique, proven and perfected during decades of use, now coupled with state-of-the-art electronics

Modular design – the right solution for any application

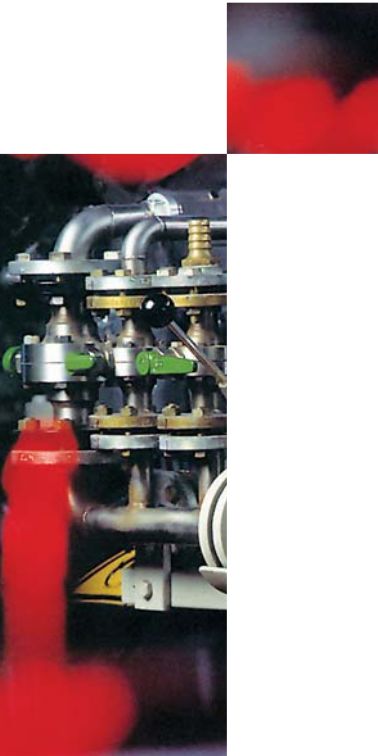
The modular concept of our rotary-piston meter line lets you find the ideal rotary-piston meter for any flow measurement point. For instance, in the case of models with digital display and current/pulse output display, you can now choose between the split design (display installed on the wall, for example) or the compact design (display mounted directly on the pulse generator). A wide range of different mechanical displays and quantity preset counters is available for applications where no auxiliary power is available.

Rotary-piston meters – the modular concept



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