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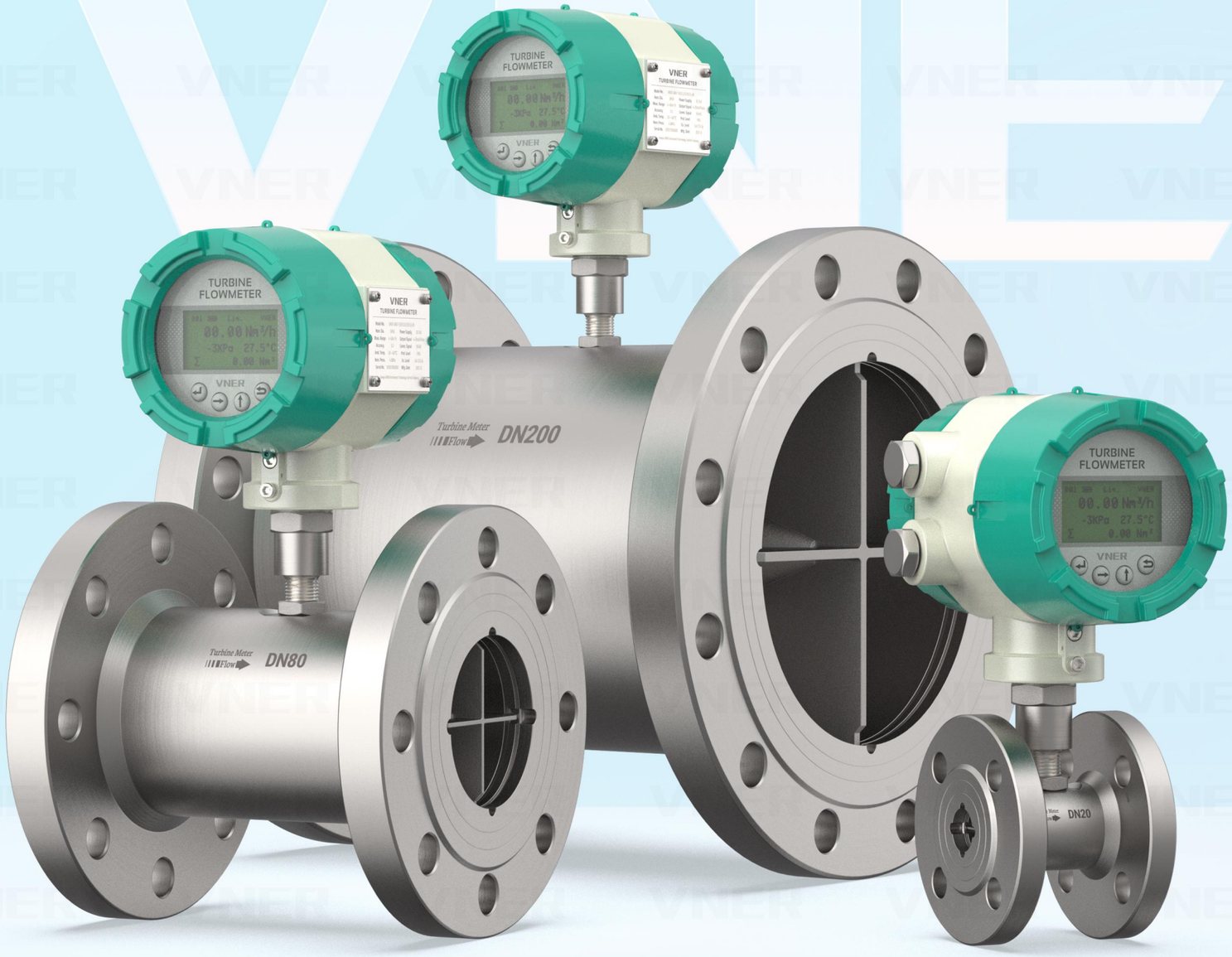

LIQUID TURBINE FLOWMETER

LWGY SERIES

JIANGSU VNER ELECTRONIC TECHNOLOGY LTD

WWW.VNER.COM.CN

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PRODUCT FEATURES

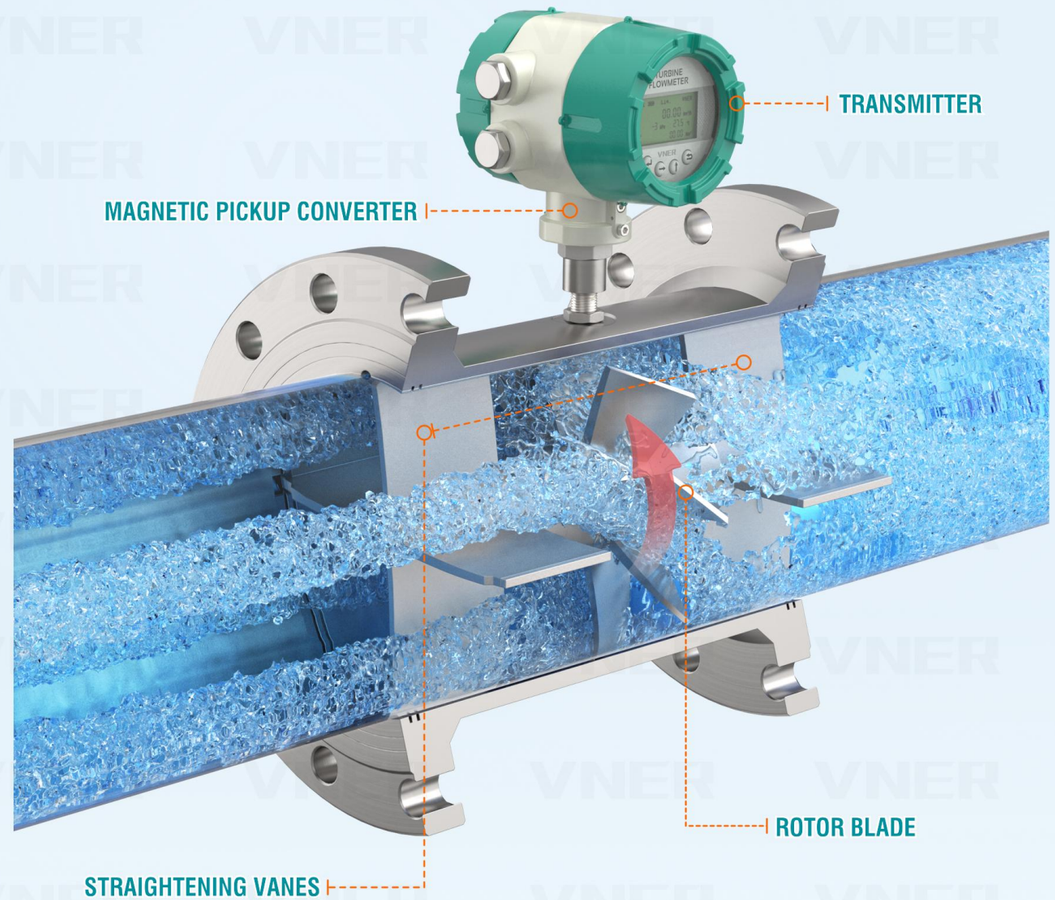
1. **Pulse Frequency Output**
   The flowmeter generates a stable pulse frequency signal, making it ideal for total volume measurement and integration with computer systems. It offers excellent anti-interference capability and no zero drift, ensuring reliable performance in industrial environments.
2. **High Signal Resolution**
   Capable of generating a high-frequency output (3–4 kHz), the flowmeter provides precise measurement with excellent signal resolution, ensuring accurate flow rate readings even in fluctuating flow conditions.
3. **Wide Measurement Range**
   With a wide turndown ratio, this flowmeter supports flow measurement for medium to large diameters (up to 1:20 range) and smaller diameters (up to 1:10 range), providing flexibility across a variety of applications.
4. **Compact & Lightweight Design**
   The compact design of the flowmeter ensures easy installation and maintenance. Despite its small size, it offers high flow capacity, making it suitable for a variety of applications where space and weight are considerations.
5. **High-Pressure Compatibility**
   The liquid turbine flowmeter can be used for high-pressure applications without the need for modifications like drilling holes in the instrument body. This design allows for the easy production of high-pressure flowmeters.
6. **Custom Sensor Designs**
   A wide range of specialized sensors are available, which can be tailored to meet specific user needs, including low-temperature, bidirectional, downhole, and sand-mixing applications, ensuring versatility in challenging environments.

TECHNICAL CHARACTERISTICS

- Nominal Diameter (DN): 4–200 mm
- Measuring Medium: Clean, low-viscosity, non-corrosive liquid
  Medium Temperature Range: -20°C to +80°C
- Flow Measurement Accuracy:
- - Standard: ±1% of Reading
  - High Accuracy (Special Order): ±0.5% of Reading, ±0.2% of Reading
- Repeatability: 0.05% to 0.2% of Reading
- Outputs:
  - Pulse signal
  - 4–20 mA current signal
  - RS485 communication
  - HART protocol (optional)

APPLICATIONS

- Petroleum & Chemical Industries
- Metallurgical & Manufacturing Plants
- Scientific Research
- Pharmaceutical & Food Processing
- Water Treatment & Environmental Monitoring



We adapt to local regulations, we strive to deliver quality solutions and we are constantly trying to reduce our environmental impact.

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