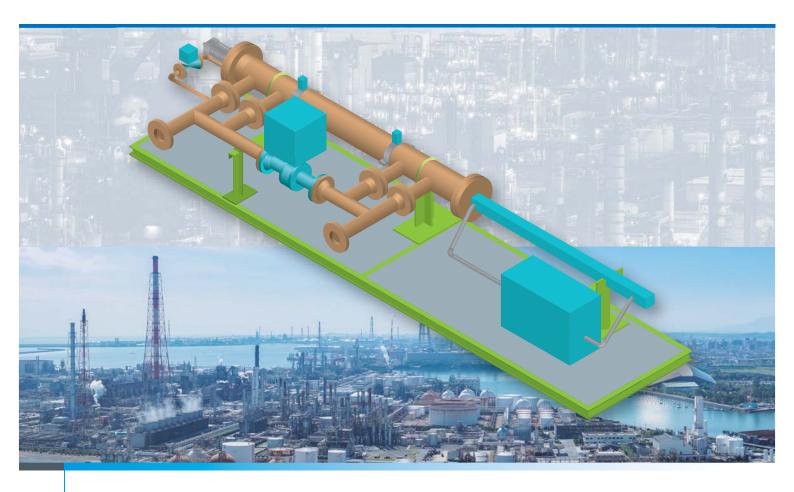


SVP Small Volume Prover

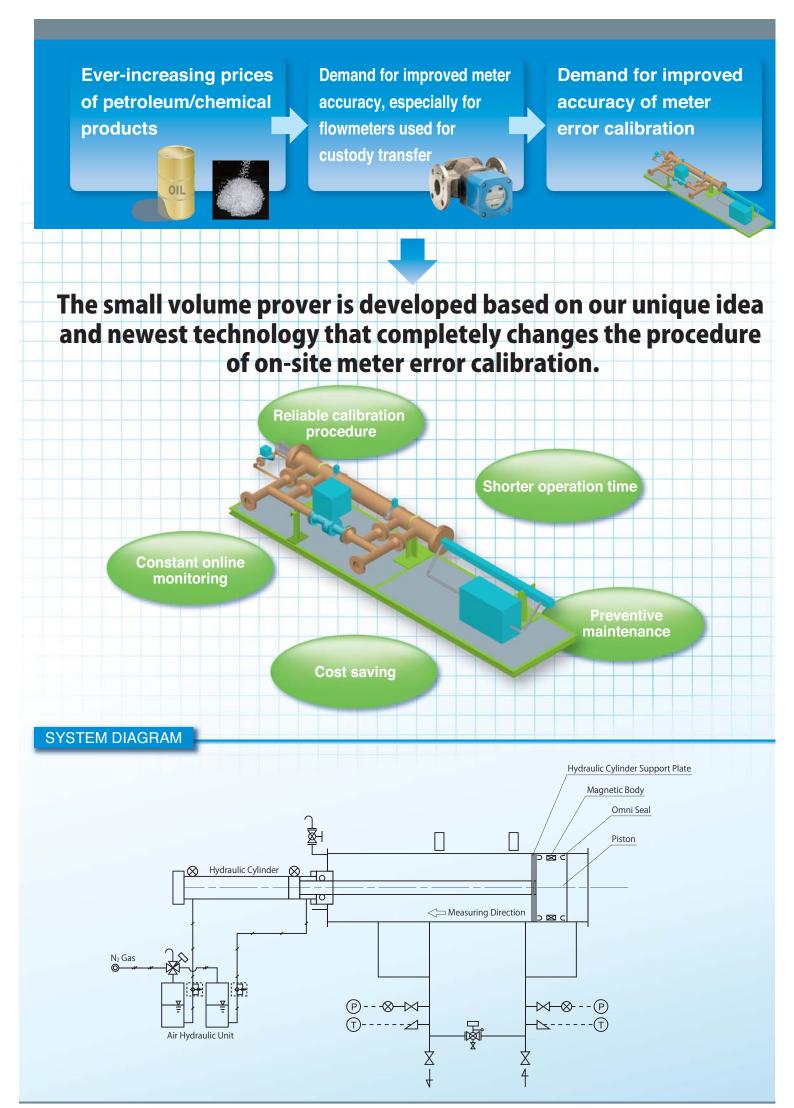


It is important that the original accuracy of a flowmeter is maintained as long as the flowmeter is in operation. To achieve this, periodical meter proving must be conducted. This applies to every other flowmeter, as well as flowmeters that are legally obligated to be proved periodically. We produce various types of meter proving equipment by utilizing our manufacturing technology and know-how obtained by having proving facilities as the production plant.

FEATURES

- 1. Compact design allows space-saving and transportability.
- 2. The latest electronics technology allows precise time measurement and pulse counting as well as highly accurate and efficient proving which requires less volume and flow pulse compared to conventional provers.
- 3. Computerized control enables complete automation, rationalization, and labor-saving.
- 4. Online central control is available.

We add value to the flow OVAL Corporation



APPLICATIONS

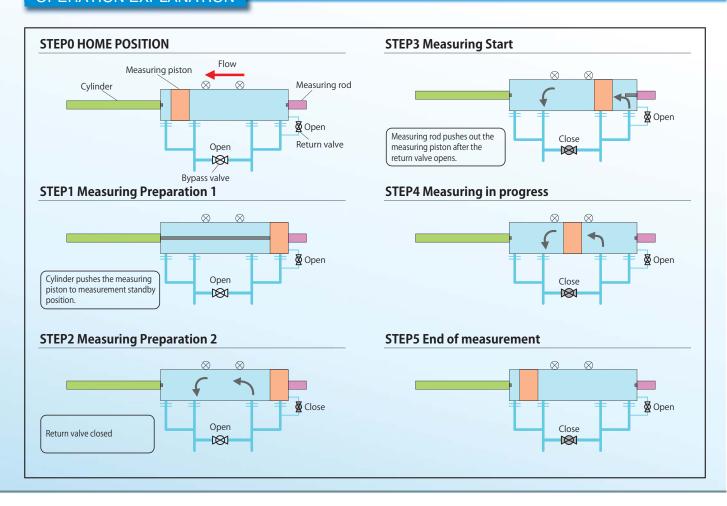
High accuracy with repeatability of 0.02%: suitable for custody transfer at petroleum complexes, etc.



Transportable structure: suitable for use in locations where fixed installation is difficult such as piers.



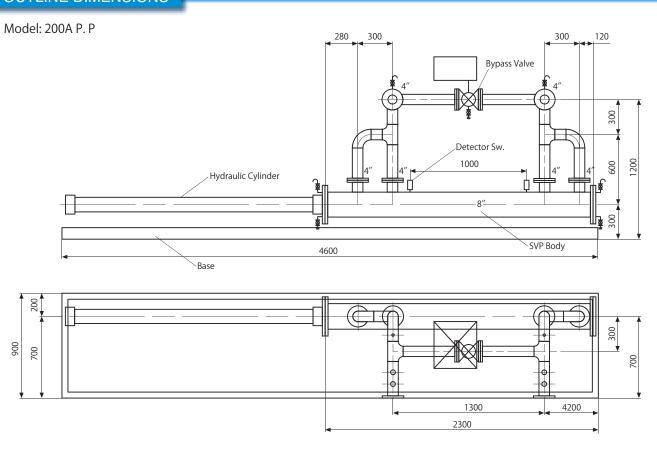
OPERATION EXPLANATION



GENERAL SPECIFICATIONS

| Item | | Description | | | |
|----------------------------------|------------------|------------------------------|---------------|-----------|-----------|
| Model | | 100A P.P. | 200A P.P. | 300A P.P. | 500A P.P. |
| Nominal size (mm) | | 100 | 200 | 300 | 485 |
| Reference volume (Liter) | | 3.9 | 31.4 | 106 | 462 |
| Maximum flow rate (m³/h) | | 40 | 170 | 370 | 1000 |
| Minimum flow rate (m³/h) | | 0.04 | 0.17 | 0.37 | 1 |
| Diameter | Connection | 2"(50A) | 4"(100A) | 8"(200A) | 14"(350A) |
| | Pipe | 2″, S/80 | 4″, S/40 | 8″, S/40 | 14", S/40 |
| Pressure rating | | ANSI 300# | | | |
| Operating temperature range | | −10 to +60°C | | | |
| Press. difference at measurement | | Max. 0.05MPa | | | |
| Detector | | 1 mark, 2 sensors (magnetic) | | | |
| Major parts materials | Body | SUS316 | | | |
| | Bypass | SUS304 or STPG | | | |
| | Measuring piston | Aluminum | | | |
| | Piston seal | Carbon filled Teflon | | | |
| | Return cylinder | SUS304 | | | |
| Cylinder drive | | Hydraulic (air-hydro unit) | | | |
| Repeatability | | Within 0.02% | | | |
| Explosionproof standard | | ATEX II 1G Ex ia II C T6 | | | |
| Approx. dimension (mm) | | * | 4600×900×1500 | * | * |
| Approx. weight (kg) | | * | * | * | * |

OUTLINE DIMENSIONS



The specification as of June, 2015 is stated in this catalog. Specifications and design are subject to change without notice.

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