

Pneumercator Company, Inc.

LLP-203 Series Pipeline Line Leak Detector with the TMS2000, TMS3000 and TMS4000 Series Consoles for Hourly Testing on Rigid, Flexible and Hybrid Pipelines

AUTOMATIC ELECTRONIC LINE LEAK DETECTOR

- Certification** Leak rate of 3.0 gph @ 10 psi equivalent with PD = 100% and PFA = 0%
- Leak Threshold** 1.8 gph at 10 psi equivalent.
- Applicability** A pipeline system should not be declared tight if the test result indicates a loss that equals or exceeds this threshold.
- Comments** Gasoline, diesel, aviation fuel.
California Code of Regulations require a written statement of compatibility for systems containing products other than petroleum-based fuels (biodiesel blends greater than 20%, ethanol blends greater than 10%, solvents, etc.).
- Specification** System tests pressurized fiberglass, flexible, semi-rigid and rigid pipelines. Tests are conducted at system operating pressure.
- Pipeline Capacity** If the desired Bulk Modulus value does not appear in the table, select the next LOWER value. If the desired Charge (system operating) Pressure value does not appear in the table, select the next HIGHER value.

| LLP203 Piping Volume Limits Table | | | | | | | | | |
|-----------------------------------|-------------------|------|-------|-------|-------|-------|-------|-------|-------|
| Charge Pressure[psi] | Bulk Modulus[psi] | | | | | | | | |
| | 2000 | 5000 | 10000 | 20000 | 30000 | 40000 | 50000 | 60000 | 70000 |
| 30 | 117 | 292 | 584 | 1167 | 1179 | 1179 | 1179 | 1179 | 1179 |
| 40 | 78 | 195 | 389 | 778 | 1167 | 1179 | 1179 | 1179 | 1179 |
| 50 | 58 | 146 | 292 | 584 | 875 | 1167 | 1179 | 1179 | 1179 |
| 60 | 47 | 117 | 233 | 467 | 700 | 934 | 1167 | 1179 | 1179 |
| 70 | 39 | 97 | 195 | 389 | 584 | 778 | 973 | 1167 | 1179 |
| 80 | 33 | 83 | 167 | 333 | 500 | 667 | 834 | 1000 | 1167 |
| 90 | 29 | 73 | 146 | 292 | 438 | 584 | 729 | 875 | 1021 |
| 100 | 26 | 65 | 130 | 259 | 389 | 519 | 648 | 778 | 908 |
| 110 | 23 | 58 | 117 | 233 | 350 | 467 | 584 | 700 | 817 |
| 120 | 21 | 53 | 106 | 212 | 318 | 424 | 530 | 637 | 743 |

- Waiting Time** Waiting times after the delivery of product, after product is circulated through the line or after pumping has stopped are not necessary before valid tests can be conducted.
- Test Period** Response time is dependent on line volume, service pressure, and bulk modulus, and can range from 0 to 13 minutes.
- System Features** Permanent installation on pipeline.
Automatic testing of pipeline.
Pressure decay over time.
Single test to determine if pipeline is leaking.
If leak is declared: Programmable for alarm only, or alarm with system shutdown.
Programmable for test following pump shutdown only, or hourly.
- Calibration** Leak Detection system operation must be verified annually in accordance with manufacturer's instructions.

Pneumercator Company, Inc.
1785 Expressway Drive North
Hauppauge, NY 11788
Tel: (800) 209-7858, (631) 293-8450 x112
E-mail: jlevy@pneumercator.com
URL: www.pneumercator.com

Evaluator: Ken Wilcox Associates
Tel: (816) 443-2494
Date of Evaluation: 04/29/2021, 10/28/2021



| [Home](#) | [Vendors: A - F](#) | [Vendors: G - M](#) | [Vendors: N - S](#) | [Vendors: T - Z](#) | [Method Index](#) | [Glossary](#) |

Appearance on this list is not to be construed as an endorsement by any regulatory agency nor is it any guarantee of the performance of the method or equipment.
Equipment should be installed and operated in accordance with all applicable laws and regulations. For full details, please refer to our expanded "[DISCLAIMER](#)" page.