



Newsflash RF18-1: 4D-MD LPG Dispenser Meter Enhancements

Date: April 30, 2018

External to: All refined fuels distributors

Internal to: All

From: Curtis Fennell, Marketing Manager



The Neptune 4D-MD meter has long been the standard for accuracy and reliability in LPG dispensing applications. At Red Seal Measurement, we value our customers' suggestions for product improvement. Based on feedback from the field, we've identified several modifications to enhance the performance and durability of the 4D-MD, and after rigorous evaluation, we're pleased to announce their implementation. Some of these changes have already been incorporated, and the remainder are being introduced into production beginning May 1, 2018.

Soft-seat differential valve piston (Beginning May 1)

The new DV piston design will incorporate a Viton overmold to provide a tighter seal to further reduce the possibility of leakage through the valve. The old and new pistons are shown below. The differential valve kit number remains the same (100028-001). There will be no additional charge for the new piston in assembled meters or as service parts.



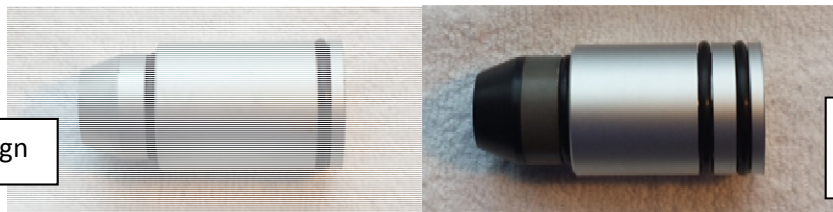
Old Design
601342-001

Soft-seat
100160-005

Improved seal on DV sleeve (Currently in production)

The depth of the O-ring groove on the piston sleeve has been decreased to create a tighter seal. The part number (100027-003) and price for the sleeve remain the same.

Note: Existing inventory has been reworked with a second, shallower groove (see picture on right). When these are used up, we will revert to a single, shallower groove, in the original location.



Old Design

Reworked sleeve with
additional O-ring



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Improved Cotter pin for vapor release float (Currently in production)

The cotter pin on the float assembly has been replaced with a stronger pin.

Improved stem and guide (Currently in production)

The float assembly stem and guide have been redesigned for smoother performance.

Viton maincase gasket (Beginning May 1)

The maincase gasket has been changed from Buna-N to Viton for improved durability. There will be no additional charge for the Viton gasket in assembled meters. It will be available as a service part (601522-001) at a list price of \$22. The Buna gasket (004861-016) will also continue to be available as a service part.

As always, we appreciate your business and thank you for your continued support. Should you have any questions, please contact us at 1-800-833-3357 (Toll Free) 864-223-1212, or support@redsealmeasurement.com.

Please forward this Newsflash to everyone within your organization affected by this update.