

<u>Product Family</u>	<u>Flowmeter Test Requirements</u>
<u>Normal Liquids</u>	<p><u>Magnetic Flowmeters – Use Test F for Fuels, Lubricants, Industrial and Food Grade Liquid Oils, Solvents General, Solvents Chlorinated, Pure Alcohols & Glycols, Water (De-mineralized & De-ionized), Heated Products (above 50 C) ;</u></p> <p><u>Magnetic Flowmeters – Use Test D for Water (Tap, Potable & Non-potable), Water Mixes of Alcohols & Glycols, Juices, Beverages, Clear Liquid Fertilizers, Crop Chemicals, Suspensions Fertilizers, Liquid Feeds, Chemicals</u></p> <p><u>Mass Flowmeters – Use Test B</u></p> <p><u>Positive Displacement Flowmeters – Use Test C</u></p> <p><u>Turbine Flowmeters - Use Test E</u></p> <p><u>Other Flowmeter Types – Use Test A</u></p>
<u>Heated Products (above 50 °C)</u>	<p><u>Magnetic Flowmeters – Use Test F</u></p> <p><u>Mass Flowmeters – Use Test D</u></p> <p><u>Positive Displacement Flowmeters – Use Test D</u></p> <p><u>Other Flowmeter Types – Use Test A</u></p>
<u>Compressed Liquids</u>	<p><u>Mass Flowmeters – Use Test D</u></p> <p><u>Positive Displacement Flowmeters – Use Test D</u></p> <p><u>Turbine flowmeters – Use Test E</u></p> <p><u>Other Flowmeter Types – Use Test A</u></p>
<u>Cryogenic Liquids and Liquefied Natural Gas</u>	<p><u>Mass Flowmeters – Use Test D</u></p> <p><u>Turbine flowmeters – Use Test D</u></p> <p><u>Other Flowmeter Types – Use Test A</u></p>
<u>Compressed Gases</u>	<p><u>Mass Flowmeters – Use Test D</u></p> <p><u>Other Flowmeter Types – Use Test A</u></p> <p><u>Note: CNG is only included in Section 3.37 Mass Flow Meters of Handbook 44</u></p>

Tests to be Conducted

Test A –Products must be individually tested and noted on the Certificate of Conformance.

Test B - To obtain coverage for a range of products within a family: Test with one product having a low specific gravity; test with a second product having a high specific gravity. The Certificate of Conformance will cover all products in the family within the specific gravity range tested.

Test C - To obtain coverage for a range of products within a family: Test with one product having a low viscosity; test with a second product having a high viscosity. The Certificate of Conformance will cover all products in the family within the viscosity range tested.

Test D –To obtain coverage for a product family: Test with one product in the product family. The Certificate of Conformance will cover all products in the family.

Test E –To obtain coverage for a range of products within a family: Test with one product having a low kinematic viscosity; test with a second product having a high kinematic viscosity. The Certificate of Conformance will cover all products in the family within the kinematic viscosity range tested.

Test F – To obtain coverage for a range of products within a family: Test with one product having a specified conductivity. The Certificate of Conformance will cover all products in the family with conductivity equal to or above the conductivity of the tested liquid.