






APPROVALS GUIDE

At Great Plains Industries, we've been building rugged, reliable, liquid flowmeters for over 35 years. The GPI Industrial Meter family includes a full line of Precision and Industrial Turbine meters plus Oval Gear meters in various materials, sizes and fitting options.

We design products to meet the needs of our customers. This includes maintaining appropriate, industry standard approvals. Approvals vary by product line and may be dependent on meter application. For example, Oval Gear Meter approvals are dependent on application as outlined below.

The Approval symbol is listed under product specifications on individual product pages. If no approval mark is found, check the chart below. For details about specific "Approvals" refer to the chart.

<p>3-A</p>	<p>3-A Sanitary Standards, Inc. "Flowmeters for Milk and Milk Products, Number 28-03" for GSCPS Models and L Option Meters.</p>
<p>ATEX</p>	<p>ATEX ANNEX VIII II 3 G Equipment Group II (other than mines); Category 3 (for zone 2); G (for gases, vapors and mist).</p>
<p></p>	<p>Product reviewed for EMC Directive 89/336/EEC or 89/392/EEC. Includes: Euro Norms 50081-1 and 50082-1 on A1 and G2 Series Meters. Note: For Oval Gear Meters, the CE Approval is applied when meter is part of a system.</p>
<p></p>	<p>Underwriters Laboratories - cUL Classified by UL to Canadian Standard C22.2 No. 157-92 and Canadian Electrical Code, Part 1 as Intrinsically Safe for Class I, Groups A, B, C & D; Class II, Groups E, F & G and Class III.</p>
<p></p>	<p>EEx nL IIC T4 U Per Euro Norm 50021.</p>
<p></p>	<p>Factory Mutual Approved Intrinsically Safe for Class I, II, III, Division 1, All Groups. Nonincendive for Class I, II, III, Division 2 Groups A, B, C, D, F, G.</p>
<p></p>	<p>Federal Communication Commission Industry Canada Approval Class B; digital service, part 15 of FCC Rules.</p>
<p>IP44/IP54/IP66</p>	<p>Ingress Protection Code IP44 (Greater than 1 mm and splashed water); IP54 (Dust protected and splashed water); IP66 (Dust-tight and heavy seas).</p>
<p>IP/NEMA</p>	<p>Pulse versions of Oval Gear Meters have enclosure ratings that vary from IP54 / NEMA 13 to IP66 / NEMA 16 depending on the application.</p>
<p>NEMA 4</p>	<p>NEMA Requirements: Enclosure constructed for indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment. Protection against falling dirt, rain, sleet, snow, windblown dust, splashing or hose directed water that will be undamaged by the external formation of ice on the enclosure. <i>GPI products are tested to NEMA requirements.</i></p>