

We do it right...

**Where Custom is Common &
Quality is Assured**

Quality Assurance

As a world-class OEM and Tier I supplier, RB Royal goes to great lengths to ensure quality parts are delivered time after time. As an ISO 9001:2015 Certified company audited every other year we understand total quality management and the importance it plays with your offering to your customers. Supporting the process, we document and verify all ECRs, conduct internal testing/verification and maintain a system of third party verification of all fixtures. Our fully equipped on-site testing lab is able to check virtually every detail from dimensions to cleanliness testing. In addition to offering full PPAP and FAI, we can also coordinate off-site, third party testing and verification as required.



Performance Delivered - the power of collaboration and integration

RB Royal serves as a premier resource for critical fluid transfer component and system designs for OEM and Tier I customers world-wide. Our comprehensive development processes, the Design-uufacturing™ approach, enables us to maximize design performance and remain focused on manufacturing excellence.



RB Royal®

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See our "how we do it" videos on YouTube



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RB Royal®

Custom Fluid Level Indicators

Dipstick Gauges & Tubes



RB Royal



Fond du Lac, Wisconsin Corporate Facility

Beginning operations in 1942, RB Royal has grown to become a premier designer and manufacturer of custom fluid transfer components. The company now operates from a modern 90,000 square foot facility situated on 17 acres in Fond du Lac, Wisconsin. From our beginnings in brass fittings, we have grown into a unique solutions provider for an array of world-class companies in a wide range of markets.

Marine

Off Road

Construction

Agriculture

Government

Automotive

Medical

Motor Sports

Manufacturing

Appliance

Where Custom is Common
At RB Royal, our lean culture and core values of integrity, resourcefulness, and unwavering commitment to partnering with our customers is what distinguishes us.

With over 75 years of experience RB Royal is a recognized leader in custom design and manufacturing of *fluid control and measurement solutions*. Our world-class, in-house capabilities enable us to provide a wide assortment of customized fluid level indicator solutions. Typically referenced as *dipstick and tube*, these assemblies consist of customized tube, cap and indicator which when properly calibrated yield a system capable of providing *consistently accurate fluid level measurement*.

Handles

Handles are molded with a premium impact-modified, glass-reinforced Nylon and are equipped with two black Viton rubber O-rings for a compression-sealed fit.

Both the "T" and Ring handle styles are stocked in four commonly utilized colors: Red, Orange, Black and Yellow with a wide range of additional colors available on a special order basis.



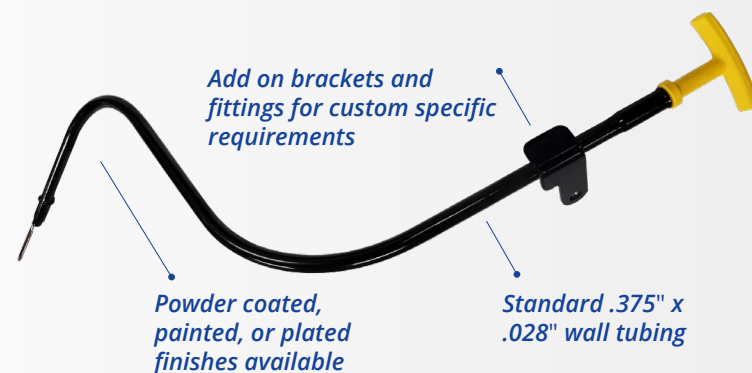
High impact, glass-reinforced Nylon available in T-shaped and Ring

Standard colors:  Additional colors available on a special order basis

Double O-Ring seal is standard

Handles are offered plain or with molded symbols.

Need something unique? Custom symbols or lettering are available on a special order basis. Contact engineering@rbroyal.com for details.



Add on brackets and fittings for custom specific requirements

Powder coated, painted, or plated finishes available

Standard .375" x .028" wall tubing

Blades

RB Royal offers flat blade and round wire as stock blade materials.

Flat Blades are made from .187" x .035" spring steel and available to 65" in length with or without a standard 90° end twist. Mid-twists and wave forms can be provided depending upon tube design.

Round Wire Blades are standard up to 50" long, 0.062" diameter, T302 stainless steel spring wire with a flattened and welded SS tube end. A 1.6" long marking area is available on both sides of the blade. No twists are necessary. We recommend a MIN of a 5" CLR (or greater).



Both types offer standard or modified pin-stamped fluid level measurement markings and are capable of customizations such as cross hatching, part numbers, and brand name. Holes and notching available on flat blades only. Contact engineering@rbroyal.com for details.

Tubes

Available standard in .375" x .028" wall tubing. Tubes are offered powder coated, painted, plated, etc. with brackets and fittings easily added to customize to specific requirements. While offered normally with .375" opening to accept the RBR standard handle configuration, additional options and configurations can be customized to meet your unique application. Contact engineering@rbroyal.com for details.

