



Leveraging Controlled Balance



Weber Knapp Company

Introducing Vectis™ by Weber Knapp

Since 1909, Weber Knapp has provided a wide range of custom components and subassemblies to a diverse group of OEMs in industries ranging from home entertainment and home furnishings to appliances and medical. As the leading manufacturer of mechanical motion control solutions, we're proud to introduce Vectis™ - the first Design Your Own (DYO) springloaded counterbalance hinges.

Vectis™ hinges allows you to combine assisted lifting forces, positional stability, and controlled closing forces within an integrated hinge system. Controlling this motion in all positions makes your product more reliable and user-friendly.

Vectis™ utilizes standard parts while taking advantage of computer numerically controlled (CNC) capabilities; providing custom characteristics unique to your application. You design it - we build it.

Vectis™ Custom takes our expertise to the next level. Addressing specific design challenges or incorporating additional features each Vectis™ Custom hinge is a totally unique design. As a result, the related engineering and tooling costs are typically offset by larger production quantities.

For more information on the new Vectis™ line
Visit **vectiscounterbalance.com** or
Call the Vectis™ Help Line at 800.828.9254 x263



 200™



 600™



 1200™



 1800™

Starting with our Vectis™ models, you can design a customized hinge system without prohibitive design and engineering start-up costs and we'll ship to you in a couple of weeks. Our baseline counterbalance hinges have been tested to 100,000 cycles, and are designed for indoor, environmentally-controlled applications.

You Design It. We Build It.

Using our proprietary DYO software, simply plug in your product's critical load parameters - lid weight plus lid center of gravity (CG) to hinge pivot axis dimensions. The slide bar variables will calculate the optimum torque curve to fine tune the open and close feel; making your products more reliable and user friendly.

Select the model and quantity desired. Order one or as many as your project requires without the costly expense of tooling or engineering

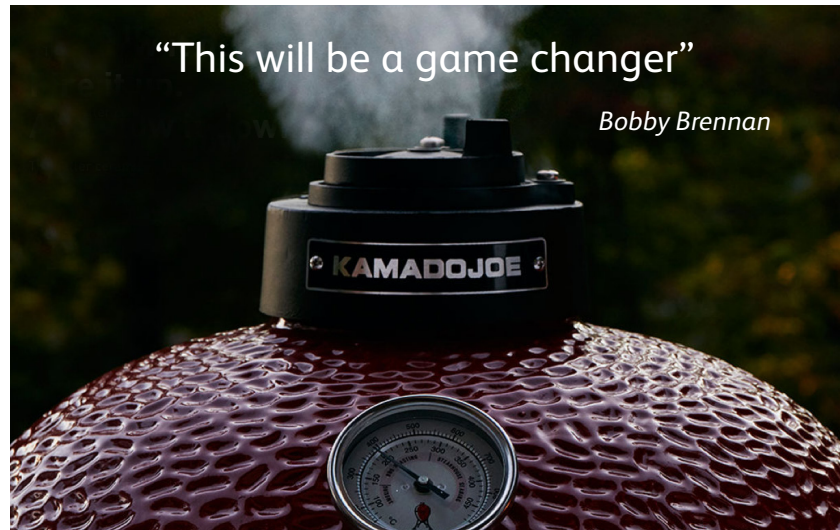


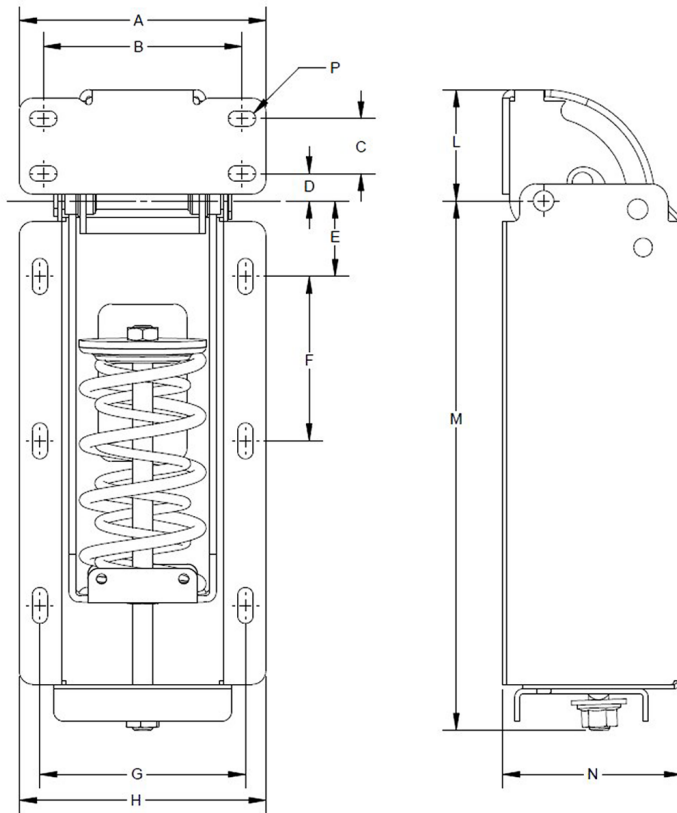
Meet Bobby Brennan and the Kamado Joe® Smoker

A trend setter in the increasingly popular outdoor ceramic smoker cooking industry is Kamado Joe®. Along with the many advantages recognized by converts to the Kamado method of slow-cooked smoking came an unwelcome feature affecting the user experience. The dome shaped ceramic lid design that contributes to the high quality cooking experience results in a heavy (45 -75#) lid often found to be extremely difficult to lift.

“I knew that Weber Knapp had addressed a similar application in the past, and thought they might be able to help us,” Brennan said. “Boy, did they come through. They gave us the wow factor for our customers.”

Through its proprietary software, Weber Knapp was able to design and build a single counterbalance mechanism that provides a feather light feel throughout the opening range of the lid helping it to remain stationary until it is manually moved to another position. The mechanism is designed to apply enough pressure to assure a tight gasket seal, the key to preparing successful, delicious meals in a smoker.





Product Specifications

- For indoor applications
- Steel Construction with Black Textured Powder Coat Finish
- Operating Temperature: 32°F - 110°F (0°C - 43°C)
- Cycle Life - Min. 100,000
- Torque output is field adjustable
- Operating angle 0° to 90°-The full open angle is customizable (at the factory) anywhere between 45° and 90°
- Shipped in the near closed position for ease of installation

Weber Knapp warrants all counterbalances to be free from physical defects in material and workmanship for a period of 1 year from the date of the original purchase. If you discover a defect covered by this warranty, we will repair or replace the product at our option.



Made in the USA

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