First, What is a V-Ring?

The function of a V-Ring seal, or V-Ring, is to act as a centrifugal seal acting against the bearing face, pushing dirt and contaminants away from the bearing area. V-Rings are not designed to seal against fluids or pressure differentials. However, as stated above, they are excellent at excluding all sorts of contaminants. They provide effective protection against loss and maintenance, reduce wear, increase the life of the retainer and bearings, and also work well in dry running applications.

V-Ring Applications

The most innovative V-Ring on the market: The Zava Seal with a quick-lock mechanism.

V-Rings are suitable for a whole range of sealing applications as well as rotary shaft applications such as electric motors, pumps, and agricultural machinery. This type of seal has proved to be reliable and effective against penetrating impurities such as dirt, sand, dust, greases, and splashes of water & oil in a variety of industries:

- Pulp and paper
- Steel mills
- Cement mills
- Mining
- Rolling mills
- Power generation
How Do V-Rings Work?

V-Rings are flexible rubber seals that work by stretching and fitting onto a shaft and then rotating with the shaft against a counter face. They are designed to give the lips an automatic sealing action. They help to increase the sealing area by providing secondary sealing as pressure acting on the platform ring.

The Split V-Ring with ZAVA Quick-Lock

The V-Ring from ZAVA® Seal has a unique patented quick-lock that can be assembled quickly and easily, and in some cases can be installed without shutting down the filter. Because it’s mounted without vulcanizing, machinery downtime is significantly reduced. When “snapped in place,” the locking technology makes it impossible to detach. The quick-lock mechanism is made of acid-proof steel (SS 2343). The split V-Ring from Zava can be made in many different lengths and cross sections and also in several different types of materials, specifications, and profiles.

Advantages of the Split V-Ring With ZAVA Quick-Lock

1. Split and lockable
2. Fast and easy to assemble
3. Unique and patented quick-lock
4. Elastic and workable
5. Reduction in fiber loss
6. Maximum leakage reduction
7. No wear of the shaft
8. A variety of different sizes

How Does the Quick-Lock Work?

For more information about the Zava Seal and to see if it might be the right fit for your application, contact Gallagher’s Engineering Department today.

Gallagher Fluid Seals is an authorized distributor of Zava Seal.