New Packaging Options to Manage Gas and More

**Activ-Vial™** portfolio, commonly used by leaders in the pharmaceutical and diagnostics industries, consists of the one-piece, flip-top desiccated vials, and desiccated bottles across a range of sizes. Both formats provide manufacturers various options to satisfy packaging requirements and deliver unparalleled protection that ensures product stability and maximizes product shelf life.

**Activ-Polymer™** technology has been used to protect products against moisture, oxygen, VOCs and odors in sensitive packaging environments. Aptar CSP Technologies three-phase polymer is comprised of a network of interconnected transmitting channels to facilitate the diffusion of gasses into the polymer matrix. This channel structure enables us to engineer formulations to absorb or release gasses from polymers.

**Activ-Film™** materials enhance product stability in ways that are invisible to consumers and more efficient for manufacturers. Activ-Film™ materials adsorb moisture to ensure product stability and extend shelf life. They are suitable for use with blister packs, stick packs, and foil pouches.

Aptar CSP Technologies has taken product and consumer protection to the next level with the launch of two new products: **Activ-Seal™** induction-sealed, tamper-evident screw cap containers with built-in desiccant technology and the **Pharmapuck™** drop-in scavenging system. These benchmark innovations will set a new industry standard by providing pharmaceutical manufacturers a foolproof solution to protect their products and prevent misuse by consumers.

Designed for use with Oral Solid Dose (OSD) tablets or capsules in the pharmaceutical industry, the **Pharmapuck™** drop-in scavenging devices can be integrated into a bottle top to sterilize with very low particulates, to control levels of scavenging or release of odors and scents. Options include custom engraving and color options to enhance brand recognition.

Aptar CSP Technologies strives to engage early in the design and development process to provide turnkey services from concept straight through to commercialization. This one-stop-shop approach allows customers to achieve the most effective component and system design.

**Not if Aptar CSP Technologies is your partner.**

For over 30 years, Aptar CSP Technologies has been the global leader in delivering innovative desiccant and other gas scavenging solutions to enhance product stability, extend shelf life, and enable new packaging options for pharmaceutical manufacturers. Aptar CSP Technologies is a responsive, flexible partner committed to offering customers a single, reliable source for custom product design, development, and manufacturing.
About **Aptar CSP Technologies**

Aptar CSP Technologies is a leader in delivering innovative, high-quality product and packaging solutions that give customers a competitive edge and consumers a better product experience.

**Bottles and Closures**

Integrated desiccant options

**Benefits**

- Expertise in Child Resistant CR, tamper-evident safe design
- Customization, ability to mold bottles and closures

**Products**

- Pharmapuck™ scavenging devices
- Activ-Seal™ closures
- Activ-Film™ materials
- Activ-Vial™ portfolio
- Molded components