

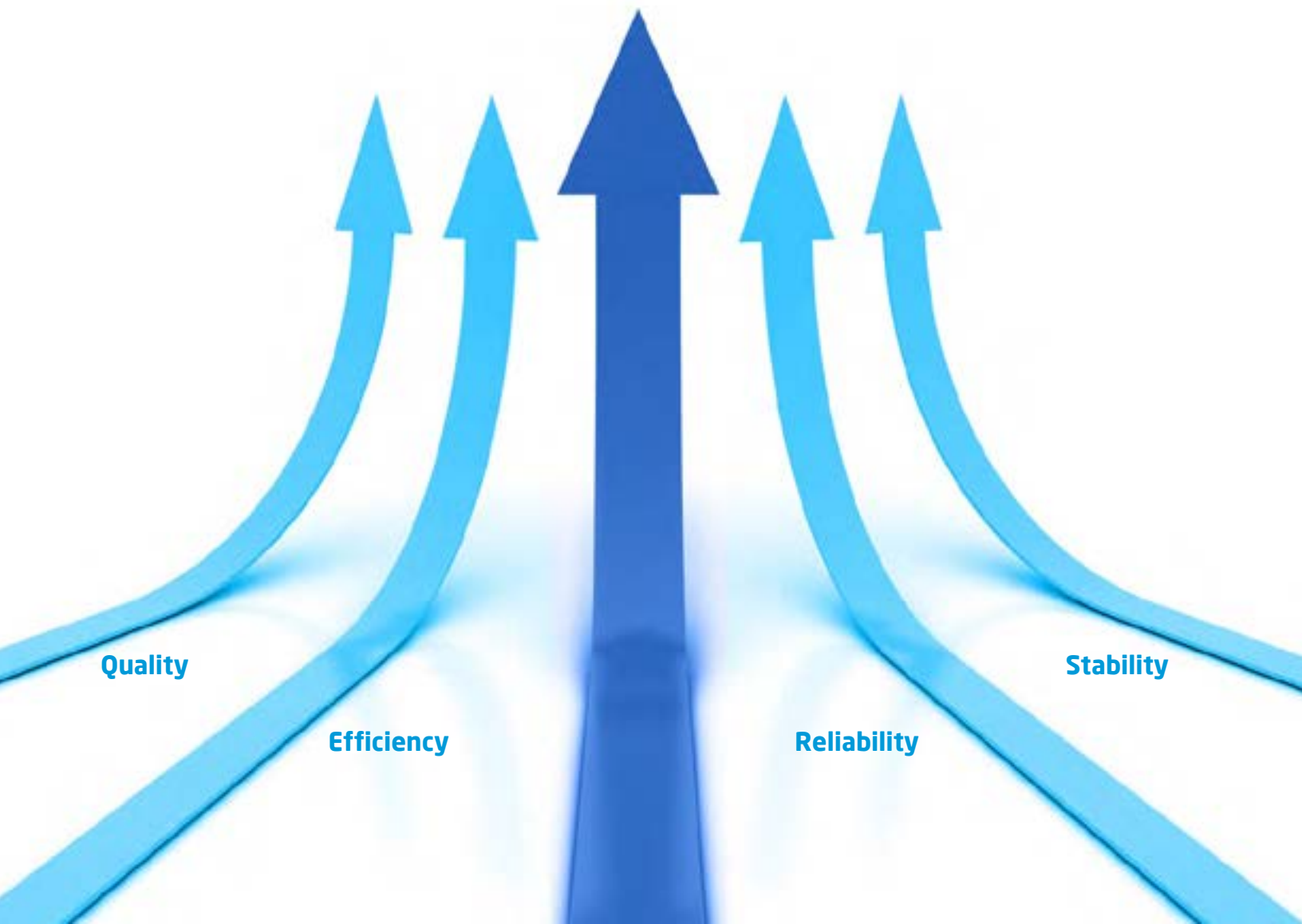


**MULTISORB**  
Filtration Group®

## **Success through Efficiency<sup>SM</sup>**

*Driving your success and quality  
through the optimal use of sorbent technology.*

**Success**



# Leadership. Innovation. Solutions.

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Developing sorbent solutions to optimize your product's shelf life should be easy, and that's how Multisorb wants it to be.

For over 50 years, we have driven our business on our belief in providing customers with end-to-end solutions to package and protect their healthcare products through innovative and reliable solutions that deliver operational and economic results.

So whether you are looking for a development partner to help you identify the optimal sorbent solution, speed time to market or realize the lowest cost of manufacturing, Multisorb can help.

We have everything you need to efficiently Identify, Select & Dispense the optimal sorbent solution while meeting your objectives for cost and speed.

***Driving your success and quality  
through the optimal use of sorbent technology.***



## Our Commitment to Quality

Multisorb's 650 employees worldwide are dedicated to providing the highest quality and most innovative sorbent products and related dispensing system to the market. We offer full R&D, engineering, quality, and manufacturing support.

- ISO 9001:2008 and BS EN ISO 14001:2004 Registered
- Compliant to US and European regulatory requirements for pharmaceutical and diagnostic packaging
- All sorbent products fully supported by a Type III Drug Master File (DMF)
- Supply risk mitigation provided via multiple manufacturing sites in US and Europe

"Multisorb's simulation technology allowed us to gain

**first to file**

advantage and primary market access for a pharmaceutical product with a \$1 billion market potential"

As shared by a leading generic pharmaceutical company.



## ① Identify

### ***Simulations to Optimize Sorbent Solutions and Product Stability***

Multisorb's scientists can quickly and efficiently identify the optimal desiccant or sorbent formulation required to meet your product's desired shelf life.

Since 2004, our Quality by Design (QbD) based SimulSorb<sup>SM</sup> and SimulOx<sup>SM</sup> simulation programs have provided sorbent solutions for moisture, oxygen, or volatiles management based on parameters specific to a pharmaceutical product including degradation profile, packaging materials, sorbent type, and required shelf life.

Through the use of standard or customized intelligent sorbent formulations, our simulation programs allow you to:

- ✓ Quickly identify sorbent requirements to predict pharmaceutical stability
- ✓ Eliminate costly sorbent ranging studies
- ✓ Reduce development time
- ✓ **Get to market 6-12 months faster**

Years	Pharmaceutical Presentations Stabilized
10	1000+





Our Multiform CSF® canister saves valuable space in your packaging presentation by delivering 2.0g of functional silica gel desiccant in the same size as a traditional 1.0g size canister.

**2x**   
the adsorption capacity  
of similarly sized canisters

## ② Select

### **Multiple Sorbent Platforms Meet Any Requirements**

Once the required sorbent has been identified, our technical team will help you select the optimal platform for your packaging presentation or device to provide the lowest possible net packaging cost.

With desiccant and sorbent formulations available in multiple standard and customizable Drop-In, Fit-In, and Built-In platforms, we can meet the specific shelf life requirements of all your packaging applications.



**Drop-In**  
Inserted as a separate component into package.



**Fit-In**  
Affixed to packaging presentation.



**Built-In**  
Replaces a mechanical/physical packaging part.







MultiPacket™ System Dispenser

MultiPacket™ System Packets

Cost ↓

With an industry leading **output efficiency of >99.997%**, our systems provide the lowest total cost of ownership for sorbent dispensing applications.

## ③ Dispense

### ***Systems for Cost Effective & Turnkey Operations***

By engineering our sorbent platforms in parallel with our dispensing equipment, we create systems that provide seamless integration of sorbent placement into your product packaging.

Our systems are available to efficiently dispense at speeds up to 300 per minute and are compatible with virtually all packaging lines.

With our optional packet splicing station, your production won't need to pause to reload sorbents. In-process spool splicing can provide continuous operation with no down time. Whether you need desiccants or oxygen absorbers, our dispensers are designed to ensure product effectiveness is never compromised.

Optional dry air or inert gas purge systems can be equipped with on-board monitoring systems to ensure the products are never exposed to conditions that could compromise effectivity in your final packaging. And with a dedicated team of Field Service Technicians, as well as a Preventative Maintenance Program, Multisorb is your long-term partner in sorbent dispensing.

Additional highlights include:

- ✓ Optional packet splicing station for continuous dispensing
- ✓ Optional dry air or inert gas purge to protect sorbent capacity during packaging operations
- ✓ Continuous Reliability Program for optimizing ongoing operations and support

"When we needed to expand operations, Multisorb's dispensing system helped us save costs, increase efficiency and add production line flexibility."

Delivering results to a major pharmaceutical innovator.



[www.multisorb.com](http://www.multisorb.com)

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