

### SEALS

Piston seals from Optimize Technologies are designed to offer reliable performance in a variety of operating conditions. We offer OPTI-SEAL UHMW-polyethylene-based seals for applications where mostly aqueous or buffered-aqueous mobile phases are used, and ITB graphitized PTFE seals when mobile phases are mostly organic or where chemical compatibility is of primary concern.

### PISTONS

Optimize sapphire pistons (also referred to as plungers) are made from the same high-quality material OEMs use for their own components. Our sapphire pistons offer optimal concentricity and resistance to wear. The angle at which sapphire rods are cut in relation to the grain of the crystal lattice has a large effect on the durability and strength of the finished product. This cut angle is tightly controlled during the machining process, resulting in a piston with maximal resistance to breakage and superior wear characteristics.

#### value

Optimize pistons offer OEM-equivalent performance at a much better price.

#### convenience

Consolidate orders with our wide selection of pistons for most HPLC systems.

ITB graphitized-PTFE for high organic mobile phases.



OPTI-SEAL UHMW-polyethylene for aqueous/buffered mobile phases.

#### performance

Selecting the best seal material for the application ensures optimal seal performance and lifetime.

#### reliability

Available Seal Forming/Installation Tool Kits aid in correct seal installation, maximizing seal lifetime.

#### convenience

A wider selection of seals with more system coverage than any other manufacturer enables you to consolidate orders.

OEM quality and performance at a better price.



Optimal concentricity for precise seal-piston alignment.



optimize technologies



**CHROMATOGRAPHIC  
SPECIALTIES INC.**

1-800-267-8103 • [www.chromspec.com](http://www.chromspec.com) • [tech@chromspec.com](mailto:tech@chromspec.com)

