

CHECK VALVES

OPTI-MAX Cartridge Check Valves are the most reliable, high-performance check valve system available. They offer many advantages over OEM check valves, and are better designed and better made than any other check valve product. Every aspect of design and manufacture reflects an unavoidable fact: when it comes to reliable check valve operation, quality and precision make a big difference.

OPTI-MAX enables customers to perform check valve repair much more rapidly and reliably than with OEM rebuild kits. The same **OPTI-MAX** check valve cartridge can function in both inlet and outlet positions. Also, the same cartridge will work in multiple types/brands of HPLC systems, when used with the correct **OPTI-MAX** housing. Most **OPTI-MAX** check valve housings utilize our unique Free-Turn® two-piece swivel design which allows the check valve cartridge to be replaced without having to disconnect tubing from the housing.

consolidation

OPTI-MAX is available for all major analytical HPLC systems.

inventory reduction & simplification

With **OPTI-MAX**, a single cartridge can work in many different HPLC pumps, in either the inlet or outlet position. With only a few spare **OPTI-MAX** cartridges in stock, a customer can be prepared to replace check valves on any system in the lab.

Free-Turn® Housings allow cartridges to be changed with tubing still attached, speeding up repair.

OPTI-MAX housings accept standard and microbore cartridges for better performance at microbore/low flow rates.

A single universal **OPTI-MAX** cartridge fits inlet and outlet valves in multiple pump brands & models.

A choice of cartridge and ball/seat materials guarantees best performance in any mobile phase.

Ball/seat sets are precision-matched for better sealing and longer valve life. Cartridges are clean-room assembled and individually tested for 100% reliability.



speed of repair

Instrument downtime is very costly - with **OPTI-MAX**, check valve replacement can be completed in as little as a minute, keeping downtime to an absolute minimum.

convenience

No need to assemble individual rebuild components, no need to remove tubing while changing check valves, and no need to remove pump head while rebuilding outlet valve.

performance

Specifications for leak rate, ball and seat finish, and ball travel are tightly controlled to maximize performance and lifetime, and minimize pulsation.