

SANITARY SPLIT CASE PUMP

LIQUID PUMP HEAD MODULE

SPLIT CASE PUMP FEATURES

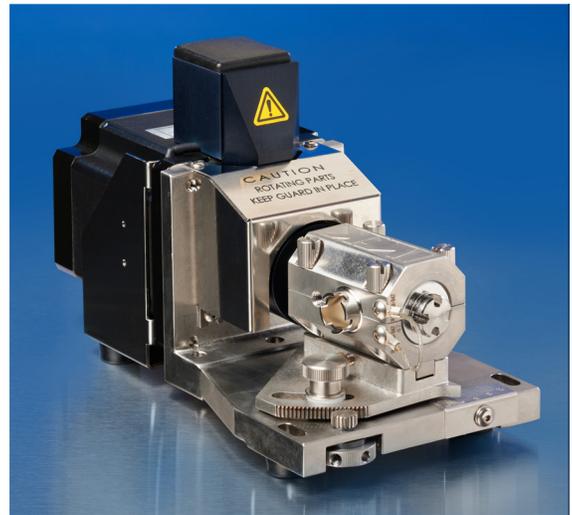
- disassembles in less than 30 seconds
- stroke length calibration is retained after disassembly
- ceramics can be autoclaved independently
- easily replaceable high performance Teflon or custom seals
- easily interchanged
- self-priming
- cleaning commonly accomplished through flushing procedure (CIP)
- heater cartridge ports option for elevated temperature requirements

ADAPTER FITTING SYSTEMS

- efficient flow design – no dead legs
- variety of standard choices
- custom fittings available on request
- easy assembly/disassembly
- standard materials: stainless, polypropylene, Tefzel
- custom materials available including PEEK and Kynar
- adapters to link to all fitting types
- sanitary, chemically resistant design

CERAMIC PUMP MODULE FEATURES

- high purity alumina or zirconia ceramic
- pump sizes: "B" (0-295 μ l), "C" (0-739 μ l), "D" (0-1478 μ l), "16mm" (0-1886 μ l)
- custom modifications available
- laser-etched serial numbers on each part
- parts matched to +/- 20 millionths per inch



assembled split case pump module on HD motor/base
11.8cm x 19.8cm x 14.5cm



assembled split case pump module on
Dual-End HD motor/base



pump module, top half of case removes



ISO 9001 CERTIFIED
ISO 13485 CERTIFIED



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SANITARY SPLIT CASE PUMP

LIQUID PUMP HEAD MODULE

IVEK's Sanitary Split Case pump module is unique among positive displacement rotary and reciprocating piston pumps. It is designed to allow the quick disassembly of all the pump module components and/or the removal and return of the entire pump module from the motor/base group without recalibration. The simple break down of all the wetted components enhances cleaning and the module can be autoclaved. An optional gauge can be used to calibrate this pump module without running fluid. This eliminates possible contamination or the loss of expensive or controlled fluid. All aspects of a 'user friendly' design and customer suggestions were considered during the pump module's development in order to allow fluid to flow freely, unobstructed through the wetted components without exposure to dead volume areas such as cracks, crevices, or threads. Constructed from cast 316 stainless steel, this heavy-duty pump module is extremely durable and stable, and will maintain calibration and accuracy during even the most difficult applications.



variety of
inlet and outlet
fittings available

CERAMIC PUMP MODULES

Sapphire-hard 99.8% Alumina (AL₂O₃) or highly polished YTZP Zirconia piston/cylinder sets.

PISTON SIZE	MAX STROKE CAPACITY
B	295µl
C	739µl
D	1478µl
16mm	1886µl

IVEK's ceramic piston/cylinder modules are extremely hard and resist abrasion, resulting in a system that exhibits little to no wear even after hundreds of millions of cycles. In addition, the ceramics are compatible with most acids and bases. The natural crystalline structure of the ceramics displays zero porosity, which insures zero retention and carry-over of one biological fluid to the next.



disassembled split case



piston/cylinder sets

PRECISION ENGINEERED FLUIDIC SOLUTIONS SINCE 1979

IVEK Corporation is committed to quality and customer support. Our product has always been relied upon for critical applications and our policy states customer satisfaction as the number one priority. As our customer you will experience exceptional performance and reliability for your most demanding applications. IVEK Corporation is ISO 9001 and ISO 13485 certified.



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