INTRODUCING COMPLETE UHPLC BIOINERT SAMPLE FLOW PATH













We Understand the Challenges Associated with Modern UHPLC Separation

Today's samples are challenging and include bio-molecules, peptides, proteins, nucleic acids, and antibodies. The need to minimize or remove unwanted sample interaction with wetted surfaces has become critical. That is why we have developed the BioVersal™ set of products that create a complete, bioinert flow path for your most challenging samples.





When Used Together, Our Available Suite of Either Standard or Custom Designed Products Offers a Complete Solution for Bioinert UHPLC, from Injector to Detector



INJECTION VALVES

BioVersal[™] Valve

- > Pressure rated to 1,300 bar (130 MPa, 18,855 psi)
-) Metal-free bioinert flow path
- > Utilizes flat-face sealing ports for zero dead-volume connections



SAMPLE LOOPS

BioVersal™ Sample Loops

- > Bioinert PEEK-lined stainless steel
- > Face sealing ensures zero dead volume
- > Finger-tight up to 1,310 bar (131 MPa, 19,000 psi)



CONNECTIONS

MarvelXACT™

-) Bioinert PEEK-lined stainless steel
- > Torque limiting mechanism cannot be overtightened
- > Face sealing ensures zero dead-volume
- Minimizes carryover, peak broadening, and peak tailing



COLUMNS

Bioinert Systems

- PEEK-lined SST column hardware for bioinert applications up to 1,034 bar (103 MPa, 15,000 psi)
- Combines the strength of our stainless steel UHPLC column (IsoBar) with the chemical inertness of PEEK polymer
- Eliminates unwanted surface interactions while allowing for a wide range of pH and solvent conditions
- > Packing pressure rating 1,379 bar (138 MPa, 20,000 psi)



FILM DEGASSERS

HPLC Degassing

-) Reinforced Teflon $^{\!\scriptscriptstyle{\mathrm{M}}}$ AF film, the degassing chamber has a metal-free flow path
-) Universal solvent compatibility, which includes HFIP and Hexane
- Operates at highest possible pressure minimizing solvent loss to the laboratory atmosphere
-) Consistent degassing efficiency for flow rates from $0-10\,\mathrm{mL/min}$
- > Ability to select any given efficiency of degassing for any HPLC system

