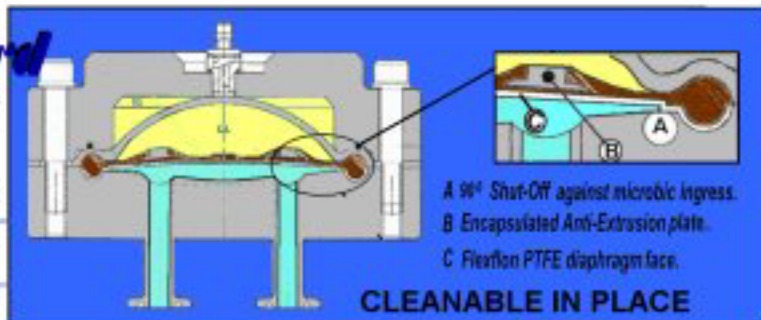


The HPLCguard

C.I.P. - Widely spaced inlet and outlet plus small entrained volume + smooth virgin PTFE ensure full scouring at high velocity.

Use, High Pressure Liquid Chromatography

SIZES: 0.13 to 2.5 Liter , 8 to 150 in3



SURFACE PREPARATIONS : OPTIONS that affect cost and speed of availability

180 GRIT/ BEAD BLAST, 85 micro inch c.l.a. **PASTE HONED** improved to 32 micro-inch - ready for - **ELECTRO POLISH**, 20 micro-inch c.l.a. before -- **SMOOTH** 500 grit 16 micro-inch c.l.a. **POLISHED**, 8 micro-inch c.l.a. **CREVICE FREE** of any indentation greater than 0.0005" deep & less than 0.00075 wide **SUPER PURE**, from 316L special low sulfur material , subject to all prior treatments plus passivation. **ULTRA PURE**, all above plus - from vacuum re-melt sulfur removal with 0.005% max hydrogen flash gold plated acetate wafer finger print electron beam surface test, 30-40 Angstrom chrome oxide layer, 2:1 chrome to iron, "outgassed" & 18 megohm test of deionised water flushant, dried with 99.999% pure hot N2, etc.

IN PLACE CLEANABILITY Your procedures that can determine product type.

FLUSH In PLACE "FIP", **CLEAN In PLACE "CIP"**, **STERILIZABLE In PLACE "SIP"**, **HYGENIC IN PLACE "HIP"** . Please choose the most appropriate, for what you wish to achieve.

Please state for all - flushants, biocides, sterilizing agents, & post sterilizing washes . Their generic names, and the pressure, temperature, flow velocity, & duration.

Please provide a copy of the test procedure, for checking the effectiveness of the above process.

PumpGuard Typical for Suction Systems



With PermaCushion foam fill.

