FluoroSeal® Plug Valve in Zirconiium, ASTM B752 Gr. 702C

A DESIGN IDEAL FOR CHEMICAL APPLICATIONS

FluoroSeal® Sleeved and Lined Plug Valves are ideally suited for chemical applications, no matter how harsh or corrosive the process. We have succesfully installed our products in plants producing, amongst others:

- Fertilizer
- Ammonia Processing
- Cyanide Processing
- Chlorine
- Alkylation Processes
- Vinyl Chloride Monomer
- Polyvinyl Chloride (PVC)
- Ethyl Di-Chloride (EDC)
- Phosphoric Acid
- Polypropylene

In addition to our standard sleeved and lined plug valves we offer specially designed valves, to respond even better to specialized processes and requirements:

- HF Alkylation
- Severe Service (FE)
- Special Cleaning
- Fire Safe
- EZ-SEAL® (patented) Top Seal & Adjustment System
- Partial and Full Jacket
- V-Port and Chatacterized Plugs

More information about these products can be found on our website.

EXOTIC ALLOYS ADVANTAGE

One of the many strengths of FluoroSeal Inc. is its experience with providing solutions for the harshest of applications.

Throughout its history, the company was faced with product requirements that exceeded standard working conditions. FluoroSeal Inc.'s response was to research and invest in exotic alloys – with a proven design, the only limiting factor in the superiority of FluoroSeal® Plug Valves was the selection of materials the valves were made of. Exotic alloys, such as zirconium and titanium, provide superior mechanical strength, oxidation resistance, and chemical durability to that of most industry-used valve component materials.

Working with suppliers to develop successful casting procedures for zirconium and titanium has assisted in placing FluoroSeal Inc. at the forefront of its competition. Today, with its own foundries located in Asia and North America, FluoroSeal Inc. further ensures only top quality castings are used in its products. FluoroSeal® Plug Valves in both zirconium and titanium are used in the most demanding applications throughout the world. With the expansion of the materials offering into exotic alloys, FluoroSeal Inc. has once again proven itself to be an innovator in the flow control industry.

APPLICATIONS — CHEMICAL

FluoroSeal Specialty Valves

DESIGN FEATURES

- No particle accumulation
- Ideal for corrosive and slurry applications
- Bi-directional in-line and multiple external bubble-tight seals independent of line pressure
- Direct mechanical three-point adjustment or a single point frontal EZ-SEAL® (patented) Top Seal & Adjustment System
- Independent travel stops
- Full encapsulation and retention of all leading edges of polymer sleeve and top seal components
- Full lip at port openings protects the polymer sleeve
- Contoured waterway ensures minimum flow turbulence characteristic
- No body cavities to entrap flow media
- Positive flow direction indication
- Lined valves offer additional corrosion resistance through the use of a virgin, unpigmented PFA transfer molded lining

STANDARD COMPLIANCE

FluoroSeal® plug valves conform to the following international standards:

API 598	API 599	ASME B16.5
ASME B16.10	ASME B16.34	ASTM F1545-97
DINEN 558-1	DIN EN 1092-1	DIN EN 12266
ISO/FDI 10497	MSS SP-55	MSS SP-61

A GROWING LIST OF SATISFIED CUSTOMERS

- Astaris
- Bayer
- Cyanco
- Dow
- Fuji
- GE Plastics
- Haarmann & Reimer Co. (Bayer)
- Invista
- NOVA Chemicals
- Pfizer
- Pioneer Chemicals
- PPG Industries Inc.
- RCC Ionics (GE)
- Reichhold Industries Inc.
- Rubicon
- Solutia
- Vertellus Specialties Inc.
- BASF
- Borden Chemicals
- Cytech
- Dupont
- General Chemicals
- Georgia Gulf Lake LLC
- Huntsman Chemicals
- Monsanto AG
- Oxy Chemicals
- PCS Nitrogen Fertilizer L.P.
- Prayon
- Pregnitz Chemie Wittenberge
- REC
- Rohm & Haas
- SABIC
- Solvay Chemicals

Severe Service (FE) Plug Valves

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