



VALORAZ

TRUSTED INDUSTRIAL TECHNOLOGY PROVIDER

PRODUCTS



FluoroSeal
Specialty Valves

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FluoroSeal Specialty Valves

CORPORATE PROFILE

For over 30 years, FluoroSeal® has been manufacturing and customizing a wide range of valves, parts, and accessories for various industries such as Oil & Gas, Chemical, Petrochemical, Power, Pharmaceutical, and Mining.

Our client-oriented culture allows us to understand complex industry needs and meet the highest quality standards - that is why our manufacturing processes are ISO 9001:2008, PED 97/23/EC, and API SPEC Q1 certified.

QUALITY ASSURANCE

FluoroSeal® Valves possess all of the best design features presently available on the market.

They are inspected throughout the full manufacturing process from foundry to final assembly and packaging to assure high quality and consistency in every unit.



Headquarters & Foundry - Lachine, QC, Canada



FluoroSeal U.S.A. - Missouri City, TX, USA



API-6D

License No. 6D-1564
Plug Valves and Ball Valves



API Spec Q1

Registration No. Q1-2682
Design and Manufacture Industrial Valves of Pipeline



ISO 9001 : 2008

Certificate Registration No. 74 300 7468
Design and Manufacture of Industrial Valves



PED 97-23-EC

Certificate No. 01 202 USA/Q-10 1738
Design and Manufacture of Industrial Valves



ISO 9001 : 2008

APIQR Registration No. 2798
Design and Manufacture Industrial Valves of Pipeline

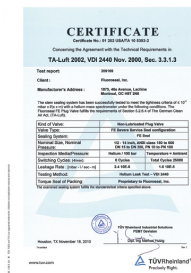


AD 2000-MERKBLATT W0

Certificate No. 01 202 USA/Q-14 6798
Production of Investment Castings

FIRE SAFE & FUGITIVE EMISSIONS TESTING

FluoroSeal® conducts intensive testing on all its designs to achieve the highest standards in Fugitive Emissions (FE) and fire resistance.



A-LUFT : 2002

Certificate No. 01 202 USA/TA 10 5303-2
FE Severe Service Seal Configuration

INDUSTRIES SERVED

- Chemical
- Mining
- Power Generation
- Fertilizers
- Oil & Gas
- Pulp & Paper
- Food Processing
- Pharmaceutical
- Steel Manufacturing

For inquiries please email us at sales@valoraz.com.my



PRODUCT CATEGORY : TYPE OF VALVES

FluoroSeal® Lined Ball Valves

FluoroSeal® lined ball valves have straight-through flow providing positive shutoff with minimal pressure drop and flow turbulence. With the ball independent of the stem, the ball has some freedom to move along the axis of the valve in the closed position, while having no freedom to rotate against the stem. When line pressure is applied to the closed ball, it moves slightly downstream to maintain contact with the downstream seat where primary sealing occurs.

Type Of Ball Valves

- Floating Ball Valves
- Lined Ball Valves
- API 6D Floating Ball Valves
- API 6D 2-Piece Trunnion Mounted Ball Valves
- API 6D 3-Piece Trunnion Mounted Ball Valves



Lined Ball Valves

FluoroSeal® Lined Plug Valves

FluoroSeal® Lined Plug Valves use high precision investment casting method for all major pressure holding components. The standard base model offers:

- Carbon Steel body, plug and cover (ASTM A216 Gr. WCB)
- Low porosity PFA (Perfluoroalkoxy) as standard liner
- All cast parts have an acrylic based coating prior to lining for added protection from corrosion attack due to permeation

Type Of Plug Valves

- Lined Plug Valves
- Sleeved Plug Valves
- HF Alkylation Plug Valves
- Severe Service Plug Valves



Lined Plug Valves

Plug Valves - Options :

EZ-SEAL® TOP SEAL & ADJUSTMENT SYSTEM

This product is available on **FluoroSeal®** Sleeved and Lined Plug Valves in ANSI/ ASME and DIN standards. In fact all DIN valves up to DN 150 come fitted with the **EZ-SEAL®** (patented) as standard.

The **EZ-SEAL®** offers 360° simultaneous and even compression adjustment of the packing and plug, eliminating side loading. Visual indication takes the guess work out of valve adjustment and remaining service life diagnostic.



ANSI/ASME Class 300 Lbs
FluoroSeal® Sleeved Plug Valve
with **EZ-SEAL®** (Patented) Cover

FluoroSeal® High Performance Butterfly Valves

FluoroSeal® High Performance Butterfly Valves (HPBV) offer outstanding performance in a wide variety of applications in chemical processing, refining, pulp and paper, ethanol, gas separation, desalination, mining, utility, and many other industries. Because of their cost effectiveness, yet robust design **FluoroSeal®** High Performance Butterfly Valves often out-perform other valves by offering long term positive bi-directional shut-off in both control as well as on-off applications.

Type Of Butterfly Valves

- Lined Concentric Butterfly Valves
- High Performance Butterfly Valves



High Performance
Butterfly Valves

DESIGN FEATURES

NON LUBRICATED PLUG VALVES

FluoroSeal®, Non-Lubricated, Sleeved Plug Valves incorporate state-of-the-art PTFE fluorocarbon seat design. With little required maintenance and trouble-free operation, a high integrity bubble-tight seal is provided both in-line and to atmosphere. The engineered design features contributing to the superiority of our product are described as a function of their specific purpose to ensure a trouble-free extended life.

LEAK-FREE PERFORMANCE

PTFE fluorocarbon, utilized in the **FluoroSeal®** sleeve and top seal components, is universally resistant to corrosive media, being inert to all but a few rarely encountered chemicals.

It is a thermoplastic that can be used at a continuous service temperature of 400°F (204°C) and much higher temperatures can be satisfactorily sustained for shorter periods.

EFFORTLESS EFFICIENCY

Offered as an option on all ANSI/ASME **FluoroSeal®** valves, and standard on all DIN valves up to DN 150, is the **EZ-SEAL®** (patented) Top Seal and Adjustment System.

Featuring a single point adjustment it eliminates the possibility of plug side loading. The **EZ-SEAL®** also introduces a new industry standard by the incorporation of Min / Max gauge on the cover, giving a visual indication of the remaining service life of a valve and easing the process of maintenance planning.

PLEDGE OF QUALITY

All major pressure bearing and/or boundary components (body, plug and cover) of **FluoroSeal®** valves are fully traceable to mill test certificates ensuring material authenticity.

Quality levels are maintained through continuous inspection and manufacturing surveillance of these and all other components.

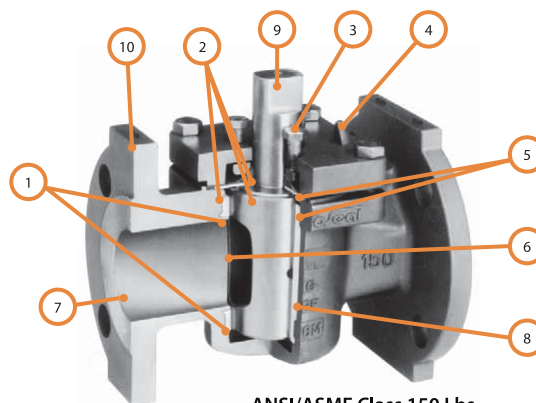
A concerted effort is made to conform to all regulatory authority requirements where and when invoked, in keeping with **FluoroSeal®** Inc.'s pledge of quality first.

FluoroSeal® Plug Valves comply with the following standards:

API 598	API 599	ASME B16.5
ASME B16.10	ASME B16.25	ASME B16.34
ASME B16.42	ASTM F1545-97	DIN EN 558-1
DIN EN 1092-1	DIN EN 12266	MSS SP-55
MSS SP-61	ISO/FDI 10497	



ANSI/ASME Class 600 Lbs
FluoroSeal® Plug Valve



ANSI/ASME Class 150 Lbs
FluoroSeal® Plug Valve Cut-Away

1. Bidirectional in-line bubble-tight seal independent of line pressure
2. Multiple external bubble-tight seals independent of line pressure
3. Direct mechanical three-point adjustment independent of line pressure
4. Independent travel stops
5. Full encapsulation and retention of all leading edges of PTFE sleeve and top seal components
6. Full lip at port openings protects PTFE sleeve
7. Contoured waterway ensures minimum flow turbulence characteristic
8. No body cavities to entrap flow media
9. Positive flow direction indication
10. Drilled and tapped flange actuation-mounting pads independent of cover and top seal assembly. This feature is optional on lever-operated valves (1/2" thru 4") in HASTELLOY®, INCONEL®, Titanium, and Zirconium alloys.

FluoroSeal Inc. is ISO 9001:2008 and PED 97/23/EC certified and conforms to a variety of international manufacturing standards.

FluoroSeal® Plug Valves are also approved by international corporations such as Bayer, DUPONT, Exxon/Mobil, Monsanto, Oxy Chemicals, and UOP among many others.

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