



EFFECTIVE FUGITIVE EMISSIONS CONTROL

A dependable workhorse of Chemical and Oil & Gas industries, the FluoroSeal[®] Severe Service (FE) sleeved plug valve is designed for tight emission control in demanding applications. Especially intended for applications in processes involving thermal cycling or a high number of mechanical operations, Severe Service valves feature PTFE and flexible graphite bonnet seals, independent shaft seals, and fully encapsulated port openings for in-line tightness.

This compact but robust package is based on the standard FluoroSeal[®] sleeved plug valve design and extensive field experience has demonstrated this valves' ability to perform in a variety of severe applications.

FluoroSeal[®] Severe Service (FE) valves have one of the best fugitive emissions test results on the market, as demonstrated by independent lab testing.

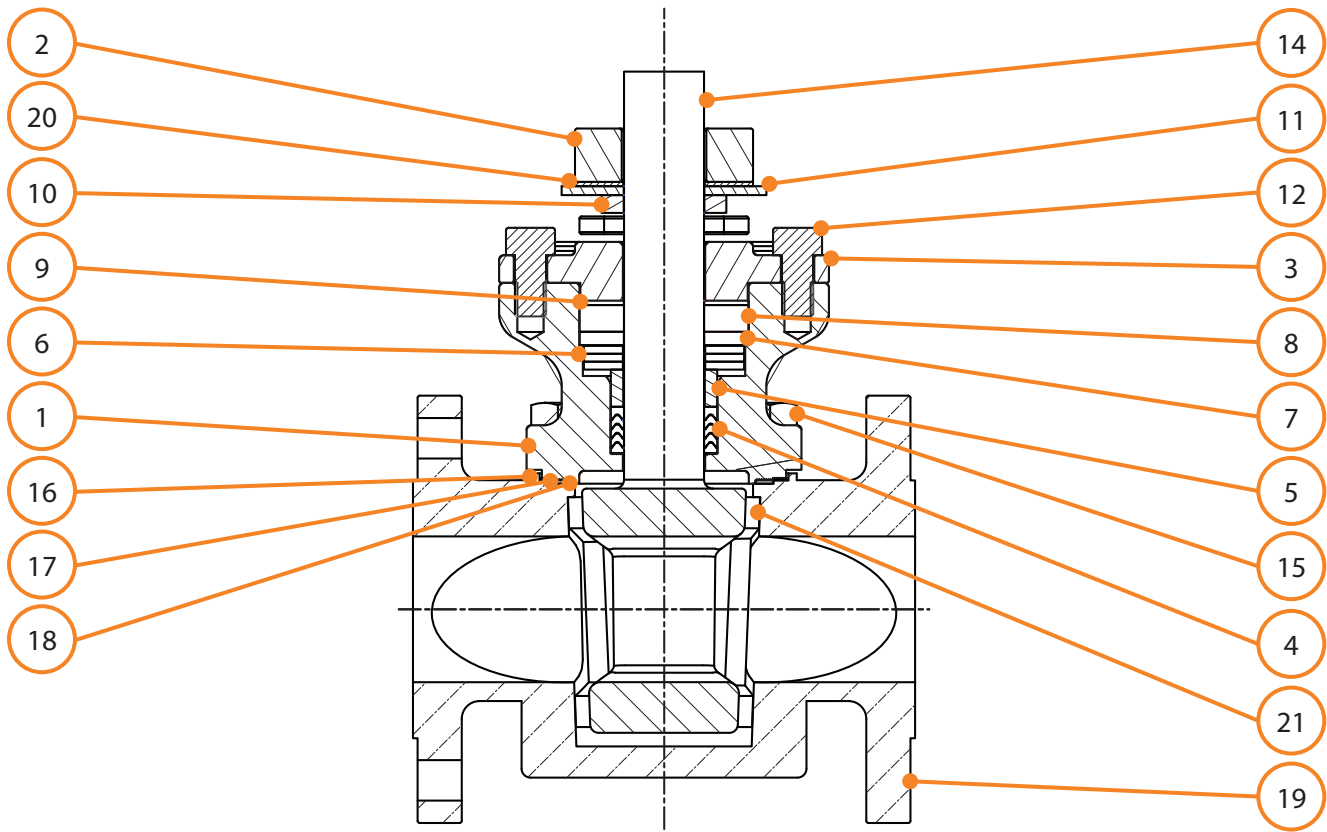
DIN valves are available upon request.

PRODUCT FEATURES

- Standard lockout capability and solid position stop
- Primary shaft seal extrusion is controlled with reinforced PTFE end rings, secondary shaft seal utilizes tight gap metallic shaft for full metal containment
- PTFE sleeve provides in-line and primary external seals. Performance is enhanced with full encapsulation at port opening and precise body ribs to focus sealing forces on plug
- In-line seal adjustable independent of shaft seal
- Innovative shaft seal provides self-adjusting, redundant and independent packing available in all PTFE or PTFE and flexible graphite combinations. Configured for optional monitoring or injection port.
- Bonnet is double sealed with fully contained independent PTFE and flexible graphite seal backing up the primary seal at the sleeve
- Precision (investment) cast body provides tight dimensional control to assure concentricity between plug and body. This minimizes induced side loads to the primary seals and shaft seals during operation.

FE-R001-S

SEVERE SERVICE (FE) PLUG VALVES



MATERIALS OF CONSTRUCTION

Item	Description		11	Stop	304 Stainless Steel
1	Bonnet	Customer Specified	12	Packing Bolts	304 Stainless Steel
2	Plug Adjuster	CD4MCu	13	Plug Bolts	304 Stainless Steel
3	Packing Gland	D4MCu	14	Plug	Customer Specified
4	Packing Set	Carbon Filled PTFE & Virgin PTFE	15	Bonnet Bolts	Customer Specified
5	Follower	Customer Specified	16	Body Seal Retainer	Customer Specified
6	Belleville Washers	PH 17-7 or INCONEL®	17	Body Seal	Flexible Graphite
7	Seal Washer	NITRONIC 60®	18	Body Seal	Virgin PTFE
8	Top Packing	Flexible Graphite or PTFE	19	Body	Customer Specified
9	Seal Retainer	NITRONIC 60®	20	Thrust Washer	Carbon RPTFE
10	Shaft Adapter	304 Stainless Steel	21	Sleeve	Virgin PTFE

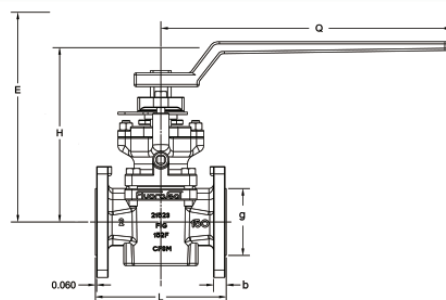
This product is engineered for each application and is available in many alloys as well as custom configurations.

SEVERE SERVICE (FE) ANSI/ASME CLASS 150/300/600 LBS

E = Clearance required for resleeving measured from center line

Larger dimensions available on request. For all other dimensions consult our catalogue for 2-Way ANSI/ASME Class 150 / 300 / 600 Lbs.

SIZE	H		E	
	in	mm	in	mm
1/2"	8.09	205.49	7.80	198.12
3/4"	8.09	206.49	7.80	198.12
1"	8.50	215.90	9.94	252.48
2"	10.25	260.35	12.75	323.85
3"	10.50	266.70	14.38	365.25
4"	12.50	317.50	17.62	447.55
4" EG	13.75	349.25	17.62	447.55
6" EG	20.25	514.35	23.75	603.25
8" EG	23.25	590.55	31.00	787.40
10" EG	24.81	630.17	35.00	889.00
12" EG	23.25	590.55	-	-



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