

# SERIES 81 BUTTERFLY VALVES RESILIENT SEATED

DN50 - DN450  
(Up to DN1200 available)



NFSs Concentric Resilient Seated Butterfly Valves offer excellent durability and ease of operation in a wide range of water & industrial applications. The one piece body design provides maximum strength with

**Positive On-Off, Bi Directional Sealing**  
Seals at maximum rated pressure with identical flow from either direction.

**Teflon Bushing**  
PTFE bushings reduce operating torque and provide maximum shaft support. The stem is isolated from the valve body, preventing corrosion.

### Pin-less Disc and Stem

Spline connection provides superior orientation of the disc and stem, reduces corrosion, provides bubble tight sealing and prolongs service life.

### Valve Automation

NFS supplies a wide range of pneumatic & electric actuators and control accessories including:

- Solenoid valves
- Switch enclosures
- Electro-magnetic positioners
- Limit stops
- Handwheel over-rides

## FEATURES & BENEFITS

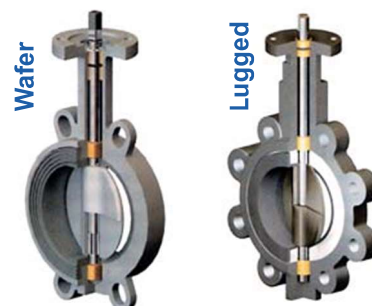
- Bi Directional Sealing
- Teflon Bushing
- Pinless Design

## OPTIONS

- Seat Style
- Body, disc, seat and stem materials
- Extension spindle
- Chain wheel
- Stainless steel bonnet
- Plastic bonnet (DN15-DN50)

## AUTOMATION SYSTEMS

- Pneumatic
- Electric
- Control accessories



## FAST TRACK

In house manufacture and stock holdings allow NFS to deliver quickly, and reliably facilitate fast-track projects. Visit our website for information on the full range of NFS Diaphragm Valves.

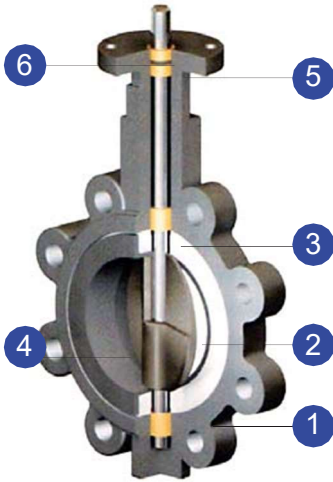
[www.nfsaus.com](http://www.nfsaus.com)

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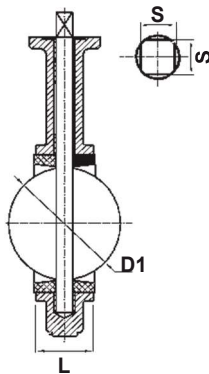
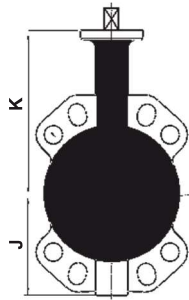
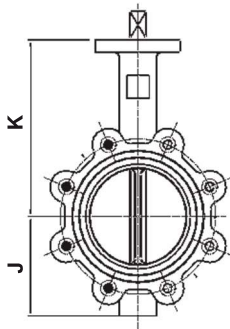
### Materials Of Construction

PART	MATERIAL
1 Body	Cast Iron, Ductile Iron
2 Disc*	Plated Ductile Iron, Stainless Steel
3 Stem	Stainless Steel
4 Seat	NBR (Nitrile), EPDM/Viton (FKM), PTFE cover (NBR), Silicon (Q)
5 Bushing	PTFE
6 O Ring	NBR, Viton

\*PTFE coated disc also available

### Pressure

Size	Pressure
2"-12" (DN50-DN300)	16 bar
14"-18" (DN350-DN450)	10 bar



### Dimensions & Weight

Size	J		K	L	D1	B	G	Ø	B2	Bolt	S	ISO	Torque Nm	G/Box Ratio	Output End hole	Weight	
	INCH	MM														LEVER	GEARBOX
2	50	80	146	43	53	128	226	150	270	M16	9	F05	27	24:1	Ø20	4.5	-
2½	65	76	154	45	65	128	226	150	270	M16	9	F05	33	24:1	Ø20	6.5	-
3	80	99	164	45	79	128	226	150	270	M16	9	F05	48	24:1	Ø20	7.5	13
4	100	110	173	52	104	128	226	300	270	M16	11	F07	56	24:1	Ø20	10	16
5	125	125	190	55	123	128	226	300	270	M16	14	F07	90	24:1	Ø20	12	18
6	150	139	206	56	156	128	226	300	270	M20	14	F07	124	24:1	Ø20	15	21
8	200	172	238	61	203	179	313	300	300	M20	17	F10	233	32:1	Ø28	23	33
10	250	205	268	66	253	179	313	300	300	M20	22	F10	392	32:1	Ø28	30	45
12	300	242	315	77	302	200	307	300	300	M24	22	F10	560	50:1	Ø35	43	59
14	350	267	368	77	333	200	307	300	-	M24	-	F10	736	50:1	Ø35	-	75
16	400	309	400	102	390	255	353	400	-	M24	-	F14	1011	70:1	Ø40	-	130
18	450	328	422	114	441	255	353	400	-	M24	-	F14	1355	70:1	Ø40	-	173

1. Wafer to suit all drilling standards. Lugged to suit T/E & ANSI. 2. Larger sizes available. Contact NFS for details. 3. Dimensions & weights are approximate. Contact NFS for a GA drawing to obtain certified measurements.

