

# 2700 SERIES ROUND BUTTERFLY DAMPER

2700 SERIES WELD-IN - HEAVY DUTY | Rev. 03/04/20

Elite Industrial Controls is an American manufacturer of Industrial Control Valves and Dampers. We offer solutions to Industrial Automation and thermal management solutions serving customers around the world in various industries and across several technological platforms. We are committed to providing customers with service of the highest possible level of quality.



The 2700 series fabricated weld end damper is constructed to be welded in between two duct or pipe sections. Body stiffeners are provided depending on damper size and service conditions. Two types of weld ends are offered. The standard 37 1/2° bevel and the stub end flange for ease of fit-up. Materials of construction are identical to the 2400 series. Damper can be supplied in all weldable materials.

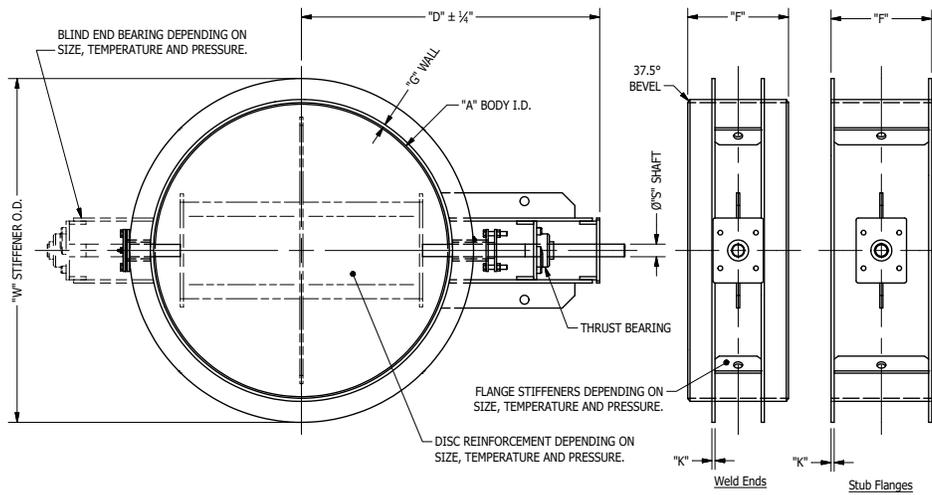
- Sizes up to 144" (Larger and special sizes consult for quote)
- Sizes 4" to 10" have Sch. 40 wall thickness.
- Blind end bearing standard on size 72" and larger.
- Standard shaft is stub type. Through shaft is available as an option.
- Sizes 4" to 10" do not have stiffener rings on weld end (37-1/2 bevel).



### Operating Conditions

<b>Max. Temp.</b>	Standard - 850°F Optional - 2600°F
<b>Max. Static Pressure</b>	Standard - 50 PSIG

# MODEL 2700 SERIES BUTTERFLY CONTROL VALVE



\*Larger sizes available on request.

Nom. Size	Valve Dimensions (In Inches)							Est. Weight (In lbs)
	A	D	F	G	K	S	W	
4	(4.026)	14.75	9	(0.237)	0.375	0.75	6.5	45
5	(5.047)	15	9	(0.258)	0.375	0.75	7.563	50
6	(6.065)	15.875	9	(0.28)	0.375	0.75	8.625	55
8	(7.981)	17.25	9	(0.322)	0.375	1	11.625	65
10	(10.02)	18.875	9	(0.365)	0.375	1	13.75	70
12	12	20.125	9	0.375	0.375	1	15.75	75
14	13.5	21	12	0.375	0.375	1	18.25	80
16	15.5	22.125	12	0.375	0.375	1	20.25	85
18	17.5	23.125	12	0.375	0.375	1	22.25	90
20	19.5	24.25	12	0.375	0.375	1.25	24.25	100
22	21.5	25.25	12	0.375	0.375	1.25	26.25	110
24	23.25	26.25	12	0.375	0.375	1.25	28	140
26	25.25	27.375	12	0.375	0.375	1.25	30	150
28	27.25	28.375	12	0.375	0.375	1.25	32	175
30	29.25	29.5	12	0.375	0.375	1.5	34	190
32	31.25	30.5	12	0.375	0.375	1.5	36	245
34	33.25	31.5	12	0.375	0.375	1.5	38	260
36	35.25	32.5	12	0.375	0.375	1.5	41	280
38	37.25	33.625	12	0.5	0.375	1.5	43.25	300
40	39.25	34.75	12	0.5	0.375	1.5	45.25	365
42	41.25	35.75	12	0.5	0.375	1.5	47.25	475
44	43.25	36.75	12	0.5	0.5	1.75	49.25	515
46	45.25	37.75	12	0.5	0.5	1.75	51.25	550
48	47.25	38.75	12	0.5	0.5	1.75	54.25	585

## VALVE SEAT OPTIONS

\*Leakage based on damper capacity

**CONVENTIONAL SEAT**  
Swing-thru design,  
\*4-5% leakage

**SCISSOR SEAT**  
Swing-thru design,  
approx. \*1-2% leakage

**METAL SEAT**  
Materials same as body -  
approx. \*1% leakage

**TADPOLE SEAT**  
Material furnished varies with service.  
Temp. to 1800°F,  
approx. \*1/4 of 1% leakage