

635N

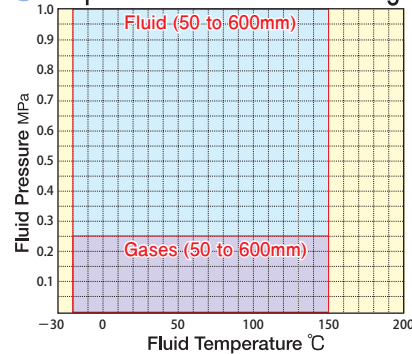
Teflon® (PTFE) BUTTERFLY VALVES

High Corrosion Resistance and Durability

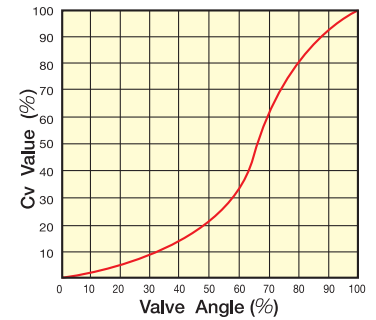
No other materials have better performance than Teflon®(PTFE) resin in keeping high corrosion resistance and preventing the adhesion of fluid. This resin is ideal for acids, gases, and food in the form of fluid. Furthermore, the unique internal structure prevents residual fluid, thus maintaining its durability and cleanliness far better than conventional valves.

Valves connected to pipes used for pharmaceutical, food, and industrial applications that handle acid and alkali solvents are required to have more corrosion resistance, chemical resistance, and sealing performance than other valves. The entire surface of OKM's Teflon butterfly valve, which comes in contact with fluid, uses a tetrafluoroethylene perfluoroalkoxy (PTFE) resin. This valve demonstrates stable performance in a wide variety of fields, for pure water equipment as well as pharmaceutical, food, and chemical applications.

Temperature and Pressure Ratings



Flow Characteristics



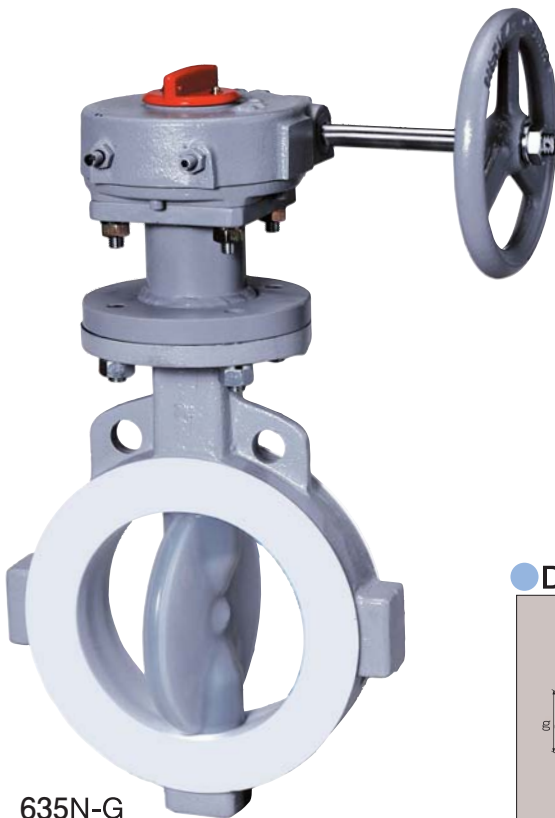
Standard Materials and Specifications

Model	635N
Applicable Flange Std.	JIS10K ASME 125Lb/150Lb
Max. Service Pressure	Fluid 1.0MPa / Gases 0.25MPa
Actuators	Lever-Operated, Worm-Gear, Pneumatic-Cylinder, Electric-Motor
Max. Service Temperature	-20°C to 150°C
Face To Face	JIS B2002 46 · 47 Series
Coating	Epoxy Coating
Hydrostatic Shell Test	Fluid 1.1MPa / Gases 0.3MPa
Hydrostatic Seat Test	1.5MPa

Part Name	Material
Body	SCPH2
Disc	PFA+SCPH2 PFA+SS
Seat Ring	PTFE
Stem	S45C
O-ring	FKM
Seal ring	PTFE

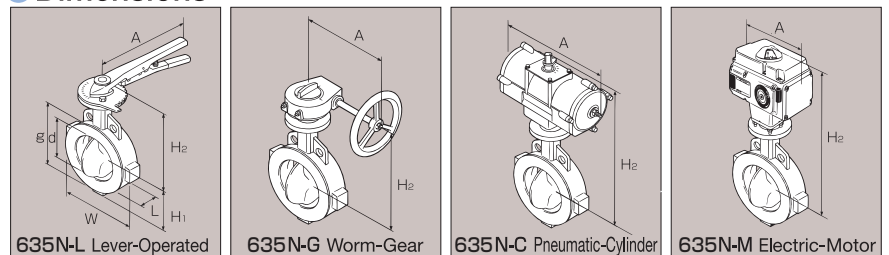
Cv Values with Valve Fully Open

Size (mm)	Cv Value
50	120
65	120
80	280
100	450
125	750
150	1250
200	2250
250	3600
300	5000
350	9200
400	14500
450	20100
500	22000
600	31000



635N-G

Dimensions



Nominal Size		L	d	g	H ₁	W	635N-L Lever-Operated			635N-G Worm-Gear			635N-C Pneumatic-Cylinder			635N-M Electric-Motor		
inch	mm						H ₂	A	Weight	H ₂	A	Weight	H ₂	A	Weight	H ₂	A	Weight
2	50	43	59	100	60	142	192	160	4.1	186	141	5.7	257	179	4.9	328	180	7.9
2 1/2	65	43	59	100	60	142	192	160	4.1	186	141	5.7	257	179	4.9	328	180	7.9
3	80	46	79	135	86	150	234	200	6.2	225	141	7.7	312	223	7.9	418	277	16.4
4	100	52	99	160	112	174	254	260	8.9	236	182	11.1	322	223	10.2	428	277	18.7
5	125	56	124	185	130	202	278	360	11.8	251	182	12.7	370	271	14.1	443	277	21
6	150	56	149	213	145	231	315	360	15.9	289	211	18.7	403	271	17.5	480	277	25
8	200	60	196	265	175	280	—	—	—	317	211	26	459	355	29	529	301	34
10	250	68	249	322	215	344	—	—	—	388	255	41	552	445	44	590	301	44
12	300	78	299	370	251	392	—	—	—	423	255	50	587	445	54	634	345	64
14	350	78	348	415	292	480	—	—	—	502	320	95	792	664	142	858	621	171
16	400	102	396	475	320	550	—	—	—	527	320	145	817	664	188	883	621	222
18	450	114	447	530	361	605	—	—	—	587	331	183	888	755	220	922	621	243
20	500	127	490	585	383	660	—	—	—	608	331	243	994	1060	338	943	621	303
24	600	154	589	690	453	770	—	—	—	678	392	339	1064	1060	428	1023	623	398

*Please contact us for sizes of 350 mm or more.

(Size : mm , Weight : kg)