

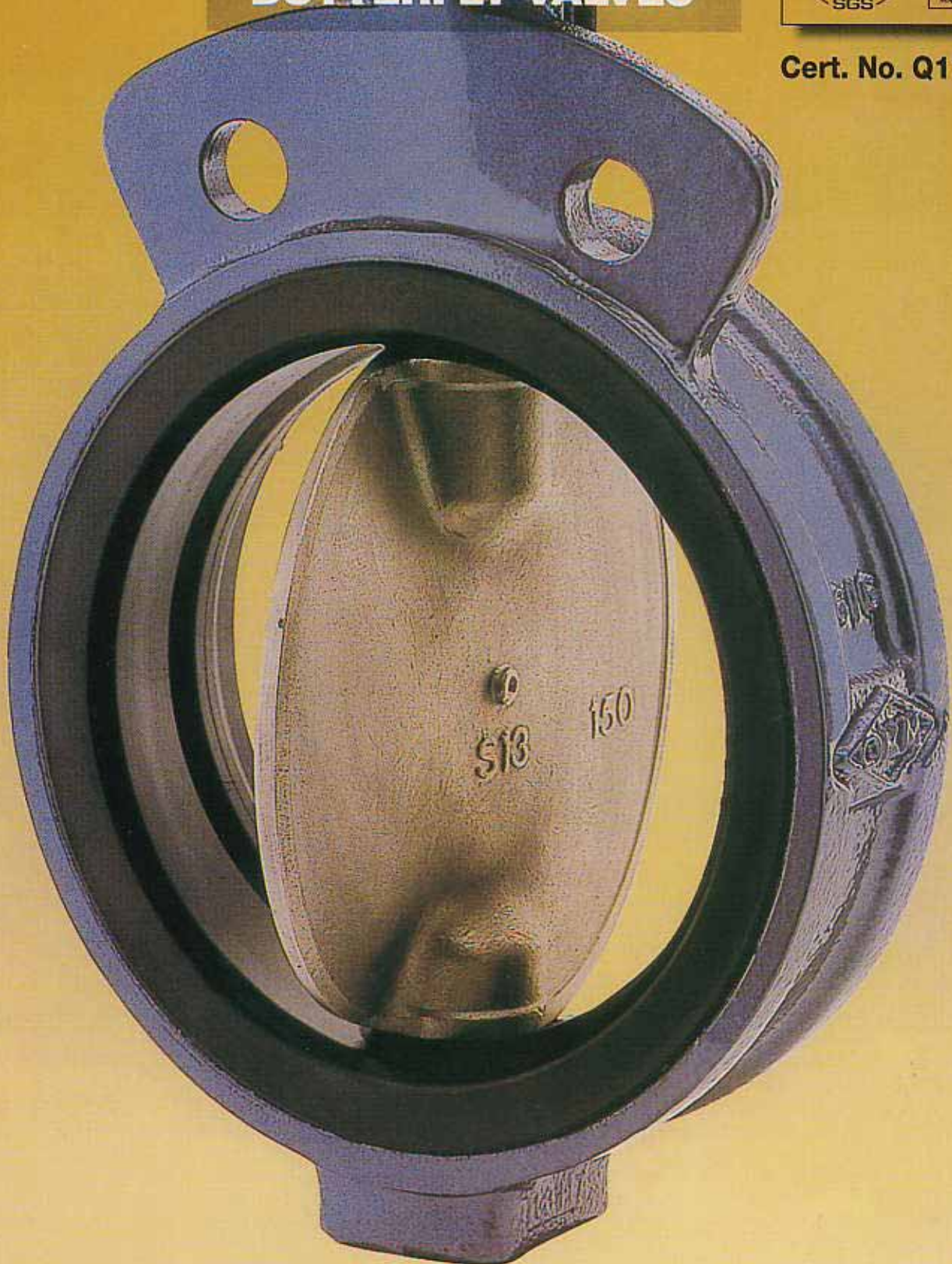
OKUMURA

616

BUTTERFLY VALVES



Cert. No. Q17412



Friction-Free Performance: Tough New Way to Tame Pressures Up to 16 Bar. (232 psi)

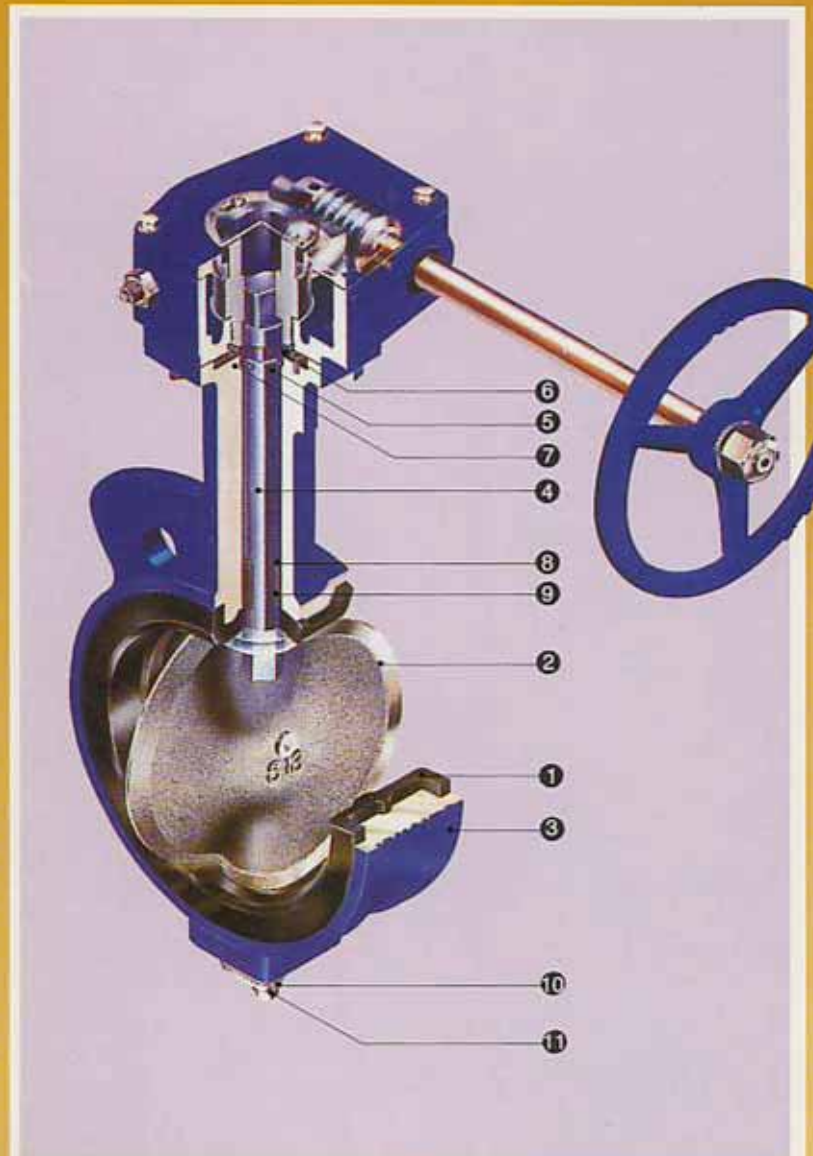
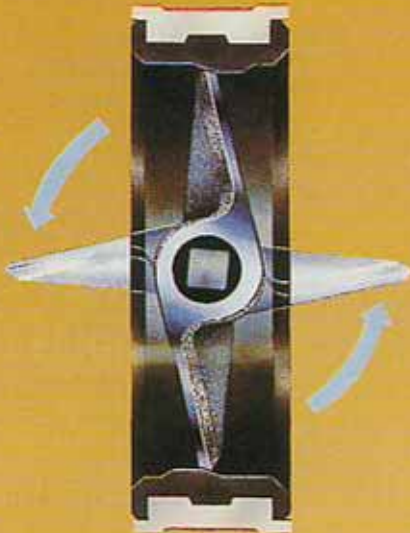
The Okumura 616 Butterfly Valve features a patented "Touch" seat design that works together with an S-shaped disc to provide smooth, dependable bubble-tight shutoff and an extended service. The design accommodates working pressure up to 16 bar. (232 psi) and flanges comply with ISO, ANSI, BS, AS, DIN and JIS.



Fine-Tuned Engineering Concept in Butterfly Valves

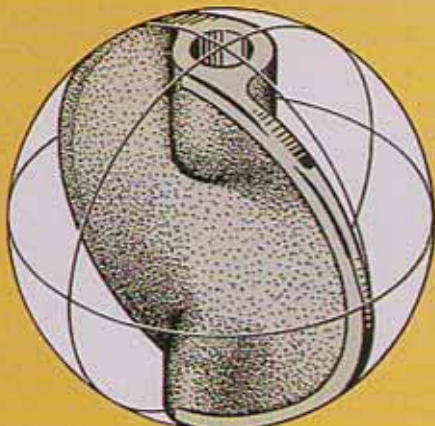
Friction-Free Operation for Low Torque, long Service.

The patented "Touch" seat design permits the disc to close with virtually no frictional contact between the disc and the valve seat. And so, there is virtually no wear and tear on the valve's internal structure. The construction ensures a low torque-to-size ratio and improved in-service performance over a conventional design.



S-Shaped Disc Enhances Flow Control.

The S-shaped disc enhances the Cv rating and promotes flow control without turbulence. The valve can be operated at the lowest possible operating torque with bubble-tight shutoff at the maximum operating pressure.

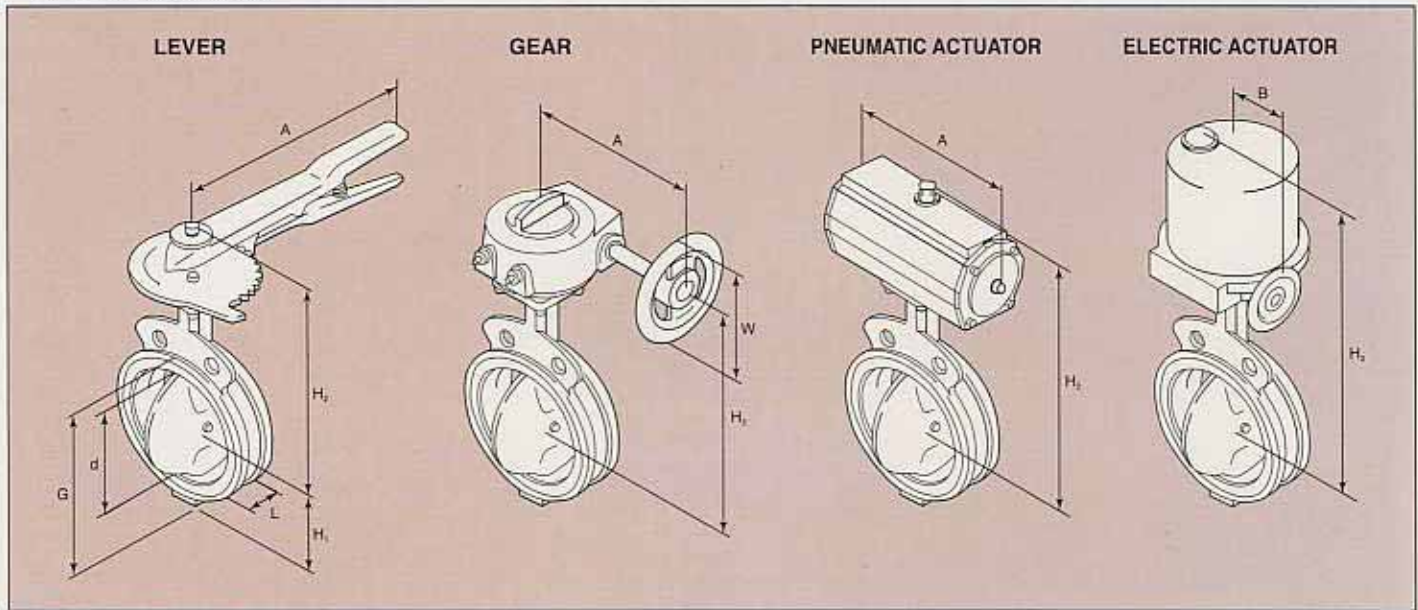


	Standard		Semi-Standard	
	JIS	ASTM	JIS	ASTM
① Seat Ring	EPDM	EPDM	NBR	NBR
② Disc	SCS13	A351 CF8	Aluminium Bronze	(ASTM B148 C95200)
③ Body	FCD45	A536 65-45-12	FCD45	A351 CF8M
④ Spindle(Stem)	SUS420J2	A276 403		A536 65-45-12
⑤ O-ring	NBR			
⑥ O-ring	NBR			
⑦ Bush	Plastic			
⑧ Ring	SUS 304			
⑨ Bush	Plastic			
⑩ Gasket	Asbestos-free			
⑪ Bottom Cover	Mild steel			

STANDARD SPECIFICATIONS

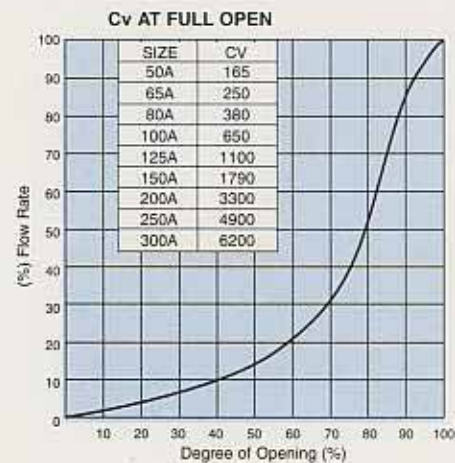
Nominal Diameter Range	50 to 300 mm (2 to 12 inches)
Applicable Flange Standard	JIS: 10 k, 16 k ANSI: 125 Lb, 150 Lb PN: 10, 16 And Others
Service Pressure	16 bar. / 232 psi / 16 kgf / cm ² , 8" lever 10 Bar only
Hydrostatic Seat Test	17.6 bar. / 257 psi / 18 kgf / cm ²
Hydrostatic Shell Test	24 bar. / 342 psi / 24 kgf / cm ²
Service Temperature Range	EPDM Seat Ring: - 20 to 120°C NBR Seat Ring: - 10 to 80°C
Actuators	Lever, Gear, Pneumatic Act., Electric Act.
Face to Face Dimensions	Conforms to ISO STANDARD (Short)
Actuator Mounting Flange	Conforms to ISO STANDARD
Standard Coating	Polyurethane/PU 1400-9700 Valve Blue M
Service Media	Water, Oil, etc.

DIMENSIONS



Nominal Bore		LEVER		GEAR		PNEUMATIC ACTUATOR	ELECTRIC ACTUATOR							
inch	mm	L	d	G	H ₁	H ₂	A	H ₂	A	W	H ₂	A	H ₂	B
2	50	43	55	90	86	179	200	171	192	100	246	133	400	180
2½	65	46	66	108	85	192	200	181	192	100	256	133	410	180
3	80	46	84	124	93	202	200	191	192	100	266	133	455	230
4	100	52	100	146	99	217	200	206	192	100	297	161	470	230
5	125	56	130	179	116	253	360	228	241	140	353	185	492	216
6	150	56	154	204	131	268	360	243	241	140	368	185	507	216
8	200	60	200	256	168	303	360	277	328	200	422	236	552.5	261
10	250	68	246	313	203	-	-	312	328	200	495	270	598	305
12	300	78	295	364	253	-	-	342	328	200	568	282	666	305

PERFORMANCE DATA



Nominal Bore		JIS 10K		JIS 16K		ANSI 125Lb/150Lb	
inch	mm	Qty.	Hexagonal Bolt & Nut	Qty.	Hexagonal Bolt & Nut	Qty.	Hexagonal Bolt & Nut
2	50	4	M16 x 100 x 38	8	M16 x 100 x 38	4	5/8-11UNC x 100 x 38
2½	65	4	M16 x 110 x 38	8	M16 x 110 x 38	4	5/8-11UNC x 115 x 38
3	80	8	M16 x 110 x 38	8	M20 x 120 x 46	4	5/8-11UNC x 115 x 38
4	100	8	M16 x 110 x 38	8	M20 x 130 x 52	8	5/8-11UNC x 130 x 38
5	125	8	M20 x 120 x 46	8	M22 x 130 x 56	8	3/4-10UNC x 130 x 46
6	150	8	M20 x 130 x 52	12	M22 x 140 x 56	8	3/4-10UNC x 140 x 46
8	200	12	M20 x 130 x 52	12	M22 x 150 x 56	8	3/4-10UNC x 140 x 46
10	250	12	M22 x 150 x 56	12	M24 x 160 x 60	12	7/8-9UNC x 165 x 56
12	300	16	M22 x 160 x 56	16	M24 x 170 x 60	12	7/8-9UNC x 175 x 56

Specification and design are subject to change without notice.

OKM VALVE (M) SDN. BHD.
OKUMURA ENGINEERING corp. (Co. No. 173768-V)

FACTORY:

Lot No. 12, Jalan 26/1, Section 26, Kawasan Perindustrian Hicom, 40000 Shah Alam, Selangor Darul Ehsan, Malaysia.
Phone: 60-3-5191 1411 / 5191 1422 / 5191 1733 / 5192 0734/5
Fax: 60-3-5191 1366

OKUMURA ENGINEERING CORP.

HEAD OFFICE:

446-1 Ohtani, Hino-cho, Gamo-gun, Shiga 529-16, Japan.
Phone: 81-748-52-2131 Fax: 81-748-52-5025

OSAKA OVERSEAS DEPT:

Komia Bldg 6F., 1-7-18, Utsubo-Honmachi, Nishi-Ku, Osaka 550-0004, Japan.
Phone: 816-644-50501 Fax: 816-644-51333