

Catalogue

OKM Butterfly Valve
Model 620



OKUMURA

620

BUTTERFLY VALVES



Cert. No. Q17412



Friction-Free Performance: Tough New Way to Tame Pressures Up to 20 Bar. (290 psi)

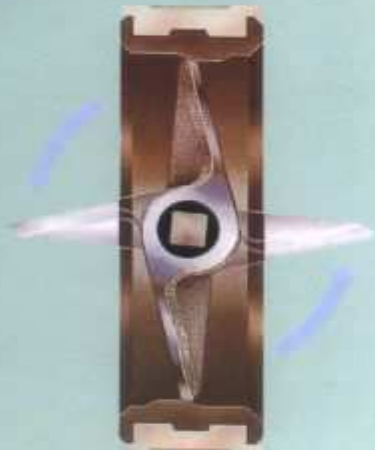
The Okumura 620 Butterfly Valve features a patented "Touch" seat design that works together with an S-shaped disc to provide smooth, dependable bubble-tight shutoff and an extended service. The design accommodates working pressure up to 20 bar. (290 psi) and flanges comply with ISO, ANSI, BS, AS, DIN and JIS.



Fine-Tuned Engineering Concept in Butterfly Valves

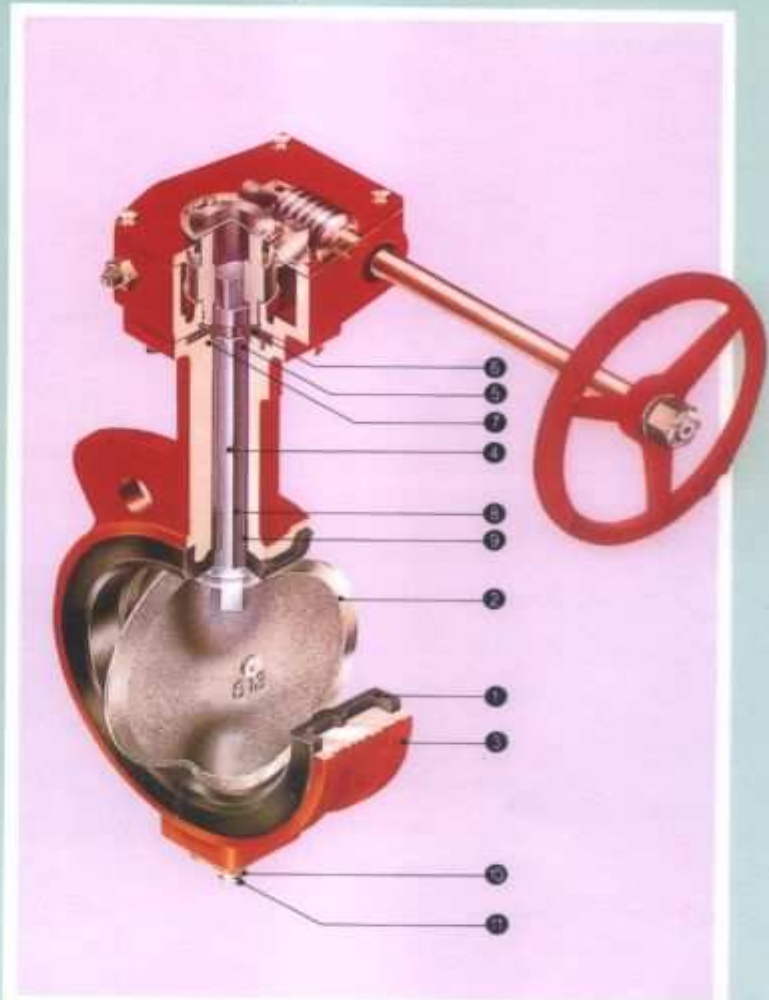
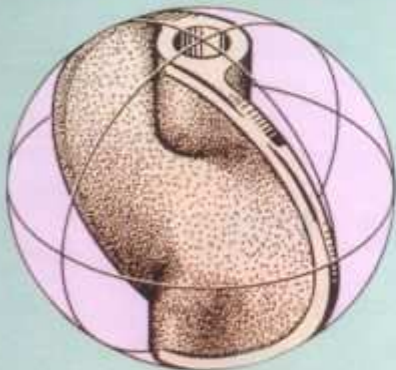
Friction-Free Operation for Low Torque, long Service.

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.

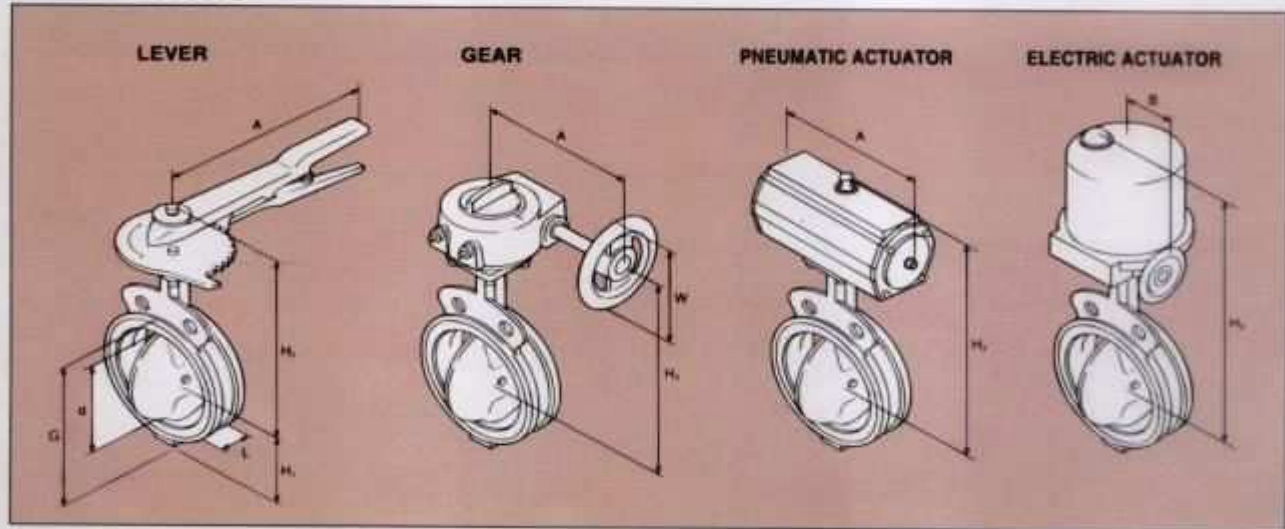


	Standard		Semi-custom	
	JIS	ASTM	JIS	ASTM
① Seat Ring	EPDM	EPDM	NBR	NBR
② Disc	SCS13	A351 CF8	SCS14	A351 CF8M
③ Body	FCD450	A536 65-45-12	FCD450	A536 65-45-12
④ Spindle (Stem)	SUS630	A565 630	SUS630	A565 630
⑤ O-ring	NBR			
⑥ O-ring	NBR			
⑦ Bush	Plastic			
⑧ Ring	SUS304			
⑨ Bush	Plastic			
⑩ Gasket	Asbesto-free			
⑪ Bottom Cover	Mild steel			

STANDARD SPECIFICATIONS

Nominal Diameter Range	50 to 300 mm(2 to 12 inches)
Applicable Flange Standard	JIS: 16K, 20K ANSI: 125 Lb, 150 Lb Others
Service Pressure	20 bar / 290 psi / 20 kgf/cm ²
Hydrostatic Seat Test	22 bar / 319 psi / 22 kgf/cm ²
Hydrostatic Shell Test	30 bar / 435 psi / 30 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	Red
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 ₃	A	H ₄	B			
2	50	43	55	90	85	179	200	172	132	100	246	133	400	120
2½	65	46	66	108	84	192	200	182	132	100	256	133	410	120
3	80	46	84	124	92	202	200	192	132	100	282	161	455	150
4	100	52	100	146	98	217	200	207	132	100	333	185	472	135
5	125	56	130	179	115	253	360	228	170	125	353	185	508	185
6	150	56	154	204	130	268	400	244	197	160	391	236	523	185
8	200	60	200	256	167	—	—	284	255	200	460	270	563	195
10	250	68	246	313	203	—	—	319	255	200	538	282	656	195
12	300	78	295	364	253	—	—	349	255	200	617	340	776	280

(Operation pressure for a cylinder shall be 5kg/cm²G or larger)

PERFORMANCE DATA



Nominal Bore		JIS 16K		JIS 20K		ANSI 300Lb	
inch	mm	Qty.	Hexagonal Bolt & Nut	Qty.	Hexagonal Bolt & Nut	Qty.	Hexagonal Bolt & Nut
2	50	8	M16 x 100 x 38	8	M16 x 100 x 38	4	UNF 7/8 x 100 x 38
2½	65	8	M16 x 110 x 38	8	M16 x 110 x 38	4	UNF 7/8 x 110 x 38
3	80	8	M20 x 120 x 46	8	M20 x 120 x 46	4	UNF 7/8 x 120 x 46
4	100	8	M20 x 130 x 52	8	M20 x 130 x 52	8	UNF 7/8 x 130 x 52
5	125	8	M20 x 130 x 56	8	M20 x 140 x 56	8	UNF 7/8 x 140 x 56
6	150	12	M22 x 140 x 56	12	M22 x 140 x 56	8	UNF 7/8 x 140 x 56
8	200	12	M22 x 150 x 56	12	M22 x 150 x 56	8	UNF 7/8 x 150 x 56
10	250	12	M24 x 160 x 60	12	M24 x 170 x 60	12	UNF 7/8 x 170 x 60
12	300	16	M24 x 170 x 60	16	M24 x 180 x 60	16	UNF 1 x 180 x 60

Specification and design are subject to change without notice.

OKM VALVE (M) SDN. BHD.
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