

## Tomoe Valve Stock Profile

### RUBBER-LINED BUTTERFLY VALVES

Fig No	700G/705G/704G
STYLE:	Wafer/Semi-Lugged/Lugged
SIZES:	1½" - 24"
BODY:	Ductile Iron
DISC:	316SS (2" - 12") 700G 304SS (14" - 24") 705G Alu Bronze (2" - 24"), PPS 2" - 8", DAC 2" - 12"
SEAT:	EPDM, Hi-EPDM, FKM (Viton), NBR (Buna)
SHAFT:	420SS
OPERATOR:	Lever (1½" - 8") Gear (1½" - 24") Actuated



### DOUBLE OFFSET BUTTERFLY VALVES

Fig No	302Y/304Y
STYLE:	Wafer
SIZES:	1½" - 12"
BODY:	Ductile Iron
DISC:	SCS13A Stainless Steel
SEAT:	316SS, RPTFE
SHAFT:	420SS
OPERATOR:	Lever (1½" - 8") Gear (1½" - 12") Actuated



### ALUMINIUM BUTTERFLY VALVE

Fig No	700Z
STYLE:	Wafer
SIZES:	1½" - 12"
BODY:	Aluminium
DISC:	316SS, PPS
SEAT:	EPDM, NBR
SHAFT:	420SS
OPERATOR:	Lever (1½" - 8") Gear (1½" - 12") Actuated



## Tomoe Valve Specialty Items

### ANTI-CAVITATION ROTARY CONTROL

FIG NO.	508V Wafer
SIZES:	3"- 14"
BODY:	Ductile Iron
DISC:	316SS (2"-8") 304SS (10"-14")
SEAT:	EPDM
SHAFT:	420SS
OPERATOR:	Gear Actuated

### TRIPLE OFFSET BUTTERFLY VALVES

FIG NO.	TT1 DBB1 DBB2	Lug/Wafer/DFSP/DFLP/BW/Hub Ends Double Block & Bleed Valves Option 1 DFSP / Option 2 DFLP (Gate F2F)
SIZES:	2" - 66"	Per Spec
PRESSURE:	150# - 2500# with 1500# internals	
BODY:	Per Spec	We have access to a wide variety of materials
DISC:	Per Spec	We have access to a wide variety of materials
SHAFT:	Per Spec	We have access to a wide variety of materials
SEAT:	Metal	Solid or laminated
OPERATOR:	GEAR BS ACT	Gear Bare-shaft Actuation

### ACTUATION

Actuators	Pneumatic Double Acting and Spring Return, for butterfly valve up to 24"
Solenoids	24V DC, 110V AC, 240V AC
Switchboxes	Standard and Ex
Positioners	3-15psi and 4-20mA

Other actuators, switchboxes and solenoid valves available on fast delivery.

**Fundamental Structure:**

The teeth around the disc edge & the disc contacting the seat at a specific angle makes this product a compact, lightweight & highly cost-effective rotary control valve that exhibits outstanding control characteristics.

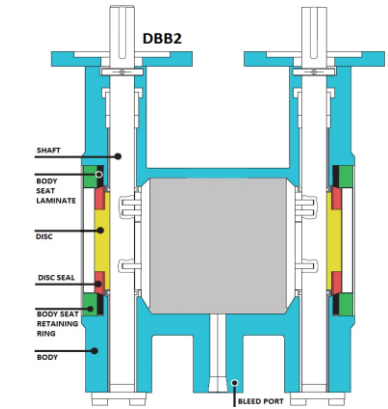
The valve provides steady control for better cavitation resistance, lower dynamic torque, lower noise level, higher rangeability & a better leakage rate than any other rotary control valve.

The teeth on the circumference of the disc break up the fluid energy, which results in a reduction of a pressure recovery.

Unlike conventional flat discs, the gull-wing disc of the product touches the seat at a specific angle for the reduced seating & unseating torque, this results in steady control of the valve.

**Double Block & Bleed Usage:**

Safety initiatives within the process industry have created the requirement for isolation during planned or emergency shutdowns. Tomoe has developed a range of isolation & bleed valves, which provide the security of quarantined isolation while delivering the benefit of the triple offset butterfly valve.



Replacing a traditional DBB valve with a Tomoe engineered version saves time & money. Using the narrow F2F of a DBB1 or DBB2's double sealing system can be supplied within a ball, plug or gate valve footprint, allowing the bleed facility to fall between the two positive seals.

