

FLOW INDUSTRY - BUTTERFLY VALVE TYPE

Size	: 2" (DN 50) to 240" (DN 6000)
Pressure	: ANSI 125#/150#-2500#, JIS 5K-16K, PN 2.5-420
Connection	: Wafer, Lug, Double Flange, BW
Material	: CS, LTCS, SS, Duplex, Super Duplex, Titanium Nickel Alloys (Inconel), Ni Al Br, Alloy Steel Cast/Ductile Iron, Bronze, Hastelloy, other
Design Standard	: ASME B16.34/API 609/EN 593/JIS B2032/ JIS B2064/JIS F7480/MSS SP 67
Fugitive Emission	: ISO 15848, TA-Luft VDI 2440, MESC 77/312, EPA 40_CFR 60-F
Face to Face	: API 609/ASME B16.10/ISO 5752 Series 13 & 14/ EN 558/MSS SP 67/JIS B2032
Flange Dimension	: ASME B16.5/ASME B16.47/MSS SP44/JIS B2210
Pressure Test	: API 598/BS 5155/JIS B2003/JIS F7400
Fire Safe (if any)	: API 607/API 6FA/BS 6755 Part II/ISO 10497
Specification above can be vary among various butterfly valves. Detail spec and special design is available upon request.	

Concentric



15

Triple Offset



17

Eccentric



16

Damper



18



TECHNICAL SHEET														
No.	TAG No. / SPEC No.	BRAND	PRODUCT TYPE	SIZE	ANSI PRESSURE	END CONNECTION	STYLE	QTY	MATERIAL OF CONSTRUCTION				OPERATOR	REMARKS
									BODY	SHAFT	DISC	LINER		
1	QPS01-VFB45-14.CSO.GO		Butterfly Valve Concentric	14" x 14"	150#	Lugged	Full Lug Flat Face to 15(ISO 10631, 15	1 Ea	A216 WCB	Monel	Alumunium Bronze	NBR	Gear Operator	Special Design: R107-182 TOTAL - antistatic construction - electrical continuity between valve body, disc, shaft and manual reduce (100% tested < 10 Ohm) - Earth connection - Antistatic construction making - Coating valve and actuator R107-182 TOTAL

Remarks:

1. Specification							
Butterfly Valve						Gear Box	
Item Number	:	Item No. 1		Item Number	:	Item No. 1	
Design to	:	R107-182 TOTAL, EN 593 and ISO 10631		Gear Box Size	:	100	
End Connection	:	ASME B16.5		Head Flange Type	:	F14 acc. to ISO 5211	
Face to Face Dimension to	:	ISO 5752-20 (78 mm)		Shaft End Form	:	Parallel square (L) acc. to ISO 5211 EVO	
Inspection & Testing	:	API 598					
Material & Test Certification	:	Material & Test Certificate 3.1					



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									BODY	SHAFT	DISC	LINER		

2. Technical Notes

- a) All Butterfly valve are offered to the Manufacturer's Standard Design, Material supply, and Test unless otherwise stated.
- b) Attached Data Sheet for both valve for your further review.
- c) Anything not stated specifically within this quotation is to be treated as not included, hence additional costs and lead time may apply.

3. Non-Destructive Examination (NDE)

Not applicable, if required hence additional costs and additional delivery times may apply.

4. Positive Material Identification (PMI)

Not applicable, if required hence additional costs and additional delivery times may apply.

5. Third Party Inspection

Not applicable.

6. Painting as per Manufacturer Standard

Applicable for Carbon Steel Material as per R107-182 TOTAL.

7. Factory Acceptance Test (FAT) / Witness Test

Not Include. Subject to additional cost if required

8. Documentation

- a) Documents provided in the event of an order must be in accordance with the attached Vendor Document List Sheet (VDL).
- b) If additional documents are requested at the time of ordering, they will be subject to confirmation by the Manufacturer, as additional charges and additional delivery times may apply.

9. Commissioning & Start-up Spares

Not applicable.

10. Recommended 2 Years Spare Parts (ZYSP)

Not applicable.

11. Site Supervision for Commissioning

Not applicable.

12. Training

Not applicable.

13. Special Tools

Not applicable.