

TORQUE VALUE & WORM GEAR BOX
SELECTION FOR BUTTERFLY VALVE
MODEL - 48 / 48L.

REF.NO.

BFTS0067

01
REV.NO.

DATE

18 APR 2008

SHEET

01

OF

01



(RUBBER LINED BODY)

- I) VALVE RATING - PN6 (Max $\Delta P = 6$ bar)
TORQUE VALUES IN 'Nm' (WITHOUT FACTOR OF SAFETY)

VALVE SIZE	TORQUE VALUE
650	1150
700	1535
750	1855
800	2130
850	2490
900	2740
1000	3760
1050	5190
1100	5400
1200	6280

NOTES:

- 1) FOR WET SERVICE ACTUATOR TORQUE SHOULD BE.
- a) 25% MORE THAN ABOVE - MANUALLY OPERATED VALVES.
 - b) 35% MORE THAN ABOVE - MANUAL OVERRIDE + PNEUMATIC OPERATED VALVES.
 - c) 50% MORE THAN ABOVE - ELECTRICAL ACTUATOR OPERATED VALVES.
- 2) FOR DRY SERVICE ACTUATOR OUT PUT TORQUE SHOULD BE.
- a) 50% MORE THAN ABOVE - MANUALLY OPERATED VALVES.
 - b) 60% MORE THAN ABOVE - MANUAL OVERRIDE + PNEUMATIC OPERATED VALVES.
 - c) 100% MORE THAN ABOVE - ELECTRICAL ACTUATOR OPERATED VALVES.

II) WORM GEAR BOX SELECTION:

VALVE SIZE	GEAR BOX PAC-MODEL	MOUNTING BASE (ISO 5211)	DRIVE BORE (H8)	KEYWAY QTY.
650	QT150	F14	$\phi 42$	02
700	QT225	F16	$\phi 57$	02
750	QT330SG		$\phi 61$	02
800			$\phi 66$	02
850			$\phi 76$	02
900	QT700SG	F25	-	02
1000			-	02
1050			-	02
1100			-	02
1200			-	02

NOTE: 1) KEYWAYS AS PER IS:2048.

PREPARED BY :

APPROVED BY :