

TORQUE VALUE & WORM GEAR BOX
SELECTION FOR BUTTERFLY VALVE
MODEL - 46 / 46L.

REF.NO.	BFTS0065		
	01 REV.NO.		
DATE	16 FEB 2008		
SHEET	01	OF	01



(RUBBER LINED BODY)

- I) VALVE RATING - PN16 (Max $\Delta P = 16$ bar)
TORQUE VALUES IN 'Nm' (WITHOUT FACTOR OF SAFETY)

VALVE SIZE	TORQUE VALUE
200	238
250	441
300	705
350	915
400	1342
450	1880
500	2664
600	4337

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	DRIVE BORE (H8)		MOUNTING BASE (ISO 5211)	KEYWAY QTY.
		SS410 STEM	MONEL STEM		
200	PAC02	$\phi 30$	-	F12	01
250		$\phi 30$	-		01
300		$\phi 38$	-		01
350	PAC02A	$\phi 42$	$\phi 42$	F14	02
400	PAC03		$\phi 47$		02
450	PAC03A	$\phi 47$	$\phi 52$	F16	02
500	PAC04A	$\phi 52$	$\phi 59$		02
600	PAC05A	$\phi 61$	$\phi 71$	F25	02

NOTE: 1) KEYWAYS AS PER IS:2048.

PREPARED BY :

APPROVED BY :