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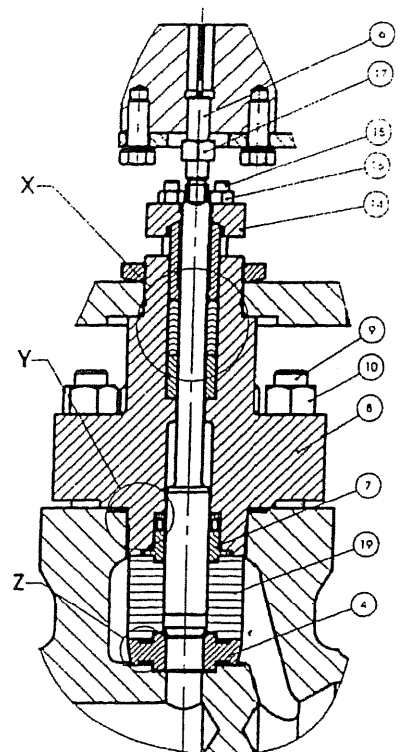
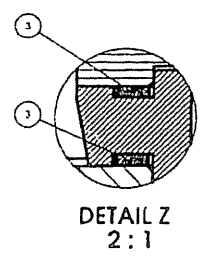
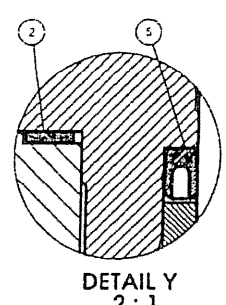
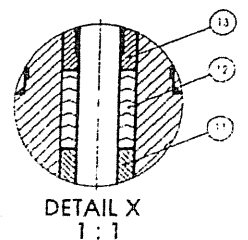
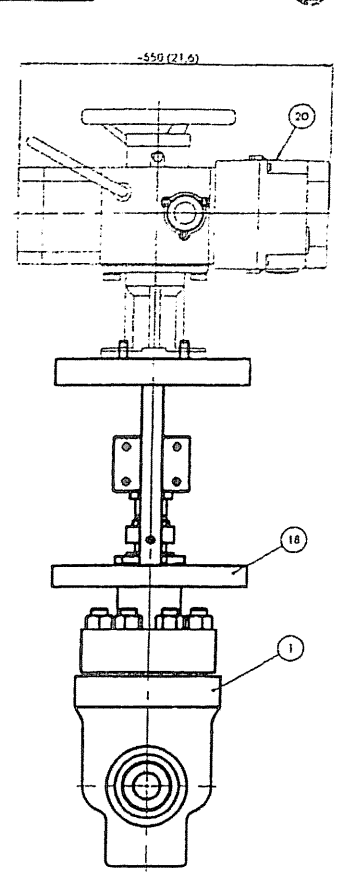
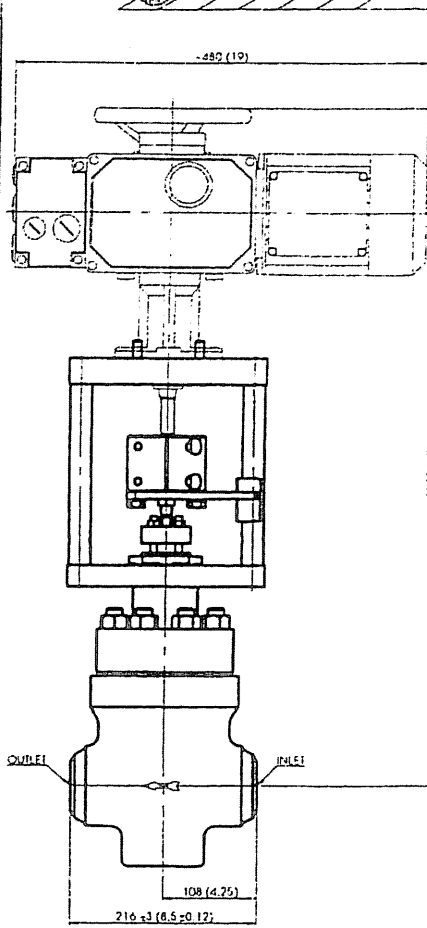
SOLIDWORKS
Generating Dwg

200 (8)
MIN. REQUIRED
FOR REMOVAL

Rev	Date	Name	Attention
1	15.03.2006	REV	FIRST ISSUE
2	04.07.2006	APM	FLOW COEFFICIENT CHANGED

PARTS LIST

POS	DESCRIPTION	MATERIAL	QTY	REMARKS
1	BODY	GP240GH	1	
2	GASKET, FLEXITALLIC	347/GRAPHITE	1	
3	GASKET, FLEXITALLIC	347/GRAPHITE	2	
4	SEAT RING	316 SS	1	
5	BALANCE SEAL	G/F TEFLON	1	
6	SPINDLE, 1"	INC 718	1	
7	GUIDE BUSHING	316 SS	1	
8	BONNET	11GM29-10	-	
9	STUD	40GM2V4-C	8	
10	NUT	42GM2A	8	
11	PACKING SPACER	GRAPHITE	-	
12	PACKING SET	G/F TEFLON	-	
13	PACKING FOLLOWER	316 SS	1	
14	PACKING FLANGE	316 SS	1	
15	STUD	A4	4	
16	NUT HEX	A4	4	
17	HEX JAM NUT	118-F	1	
18	CONSOLE ASSEMBLY		1	
19	DISK STACK	INC 718	1	
20	ELECTRIC ACTUATOR	SCHIEBEL	1	*ABS AM15-L30



ENGINEERING DATA

MAIN ELEMENT

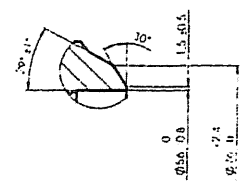
PRESS CLASS	PN 420
DESIGN PRESSURE	230 BAR-G
DESIGN TEMPERATURE	240 DEG C
MAX. PRESS. AT 38° C (100° F)	
NUCLEAR CLASS	N/A
HYDROTEST PRESSURE	639 BAR-G
MAX. KV AT 100% STROKE	0.7
MAX. SEAT LEAKAGE	1.7 CC/MIN @ 230 BAR-G
BONNET FLG. NUT TORQUE	169-187 Nm (125-140 FT LBF)

OPERATOR

TYPE	ELECTRIC ACTUATOR
SUPPLY	POWER SUPPLY 220/230V 50Hz 3ph
SIGNAL	PI -10V; CUI 4-20 mA
INCREASING SIGNAL	TO CLOSE ELEMENT
SHAFT	EXTENDS TO CLOSE ELEMENT
FAILURE POSITION/Mechanism	IN-PLACE
NOMINAL STROKE	38 mm (1.5 INCHES)
STROKE TIME (SEC)	< 38 OPEN < 38 CLOSE
VALVE AND OPERATOR WEIGHT	150 KG APPROX

INLET CONNECTION: G1/2" x 1Hx10 mm

OUTLET CONNECTION: G1/2" x 1Hx10 mm

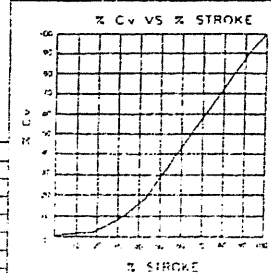


SAME AS FLUT

OPERATING CONDITIONS

UNITS	FLUID WATER	FLOW RATE	INCM	MAX	START UP
M3/H	FLUORINATE	1000	1000	1000	1000
BAR-G	PRESS IN	200	200	200	200
BAR-G	PRESS OUT	170	170	170	170
BAR-G	FLOWING DELTA P	30	30	30	30
DEG C	TEMPERATURE	230	230	230	230

50856F	8 PB-1
50856E	7 PB-1
50856D	6 PB-1
50856C	5 PB-1
50856B	2 PS-1
50856A	1 PB-1
MANUF. NO.	TAG NO.



CERTIFICATION

CUSTOMER:	TOSHIBA CORPORATION POWER
P.O.:	06.6.1050/60/70
PROJECT:	SEVERE SERVICE VALVES, MARITZA EAST 2
STATION:	UNIT: -

PREP	YEV	09 03 2006
CHK	FLY	09 03 2006
DSGN	YEV	09 03 2006
PROJ	FLY	09 03 2006
APVD	FLY	09 03 2006

DRAG® VALVE
50 X 50 mm, GLOBE, PN420
TEMP REGULATOR VALVE AFTER CONNECTIVE REPEATER

SZT: DRAWING NUMBER
A1 50856-000-00

- NOTES
- VALVE OPERATION TO BE STEM VERTICAL WITH ACTUATOR UP
 - MODEL NO: 10005V
 - IDENTIFICATION CODE: DRAG MK2-1 1/2W ASB-150BAR 02 ATMF
 - ALL DIMENSIONS WITH UNLESS STATED TOLERANCES ARE FOR REFERENCE ONLY
 - SEAT LEAKAGE PER ANSI CLASS 2
 - DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED