



Order reference : 20080355
Customer : Cerrey SA de CV
Purchase order nr. : 82994
Project : CCG Norte

Valve / Actuator Sizing Sheet

109, 110, 112

1	Valve data	Valve type / size	: Globe valve	40/50 mm	2.500 lbs.
2		Quantity	: 10	pcs.	
3		Tag numbers	: 11HAD15AA002, 11HAD20AA003, 11HAH10AA402 11HAH20AA402, 11LAB50AA011		
4		Function	: Open/close	/Inching	/Modulating
5		Valve travel (clockwise to close)	: Non-rotating, rising stem		
6,1		Required seating thrust / torque *)	: 27,8	/ 82,2	kN / Nm
6,2		Required unseating thrust / torque *)	: 27,8	/ 82,2	kN / Nm
6,3		Max. allowable thrust / torque *)	: 67,2	/ 199,0	kN / Nm
7,1		Stop in close direction *)	: Limit	/ Torque	
7,2		Stop in open direction *)	: Limit	/Torque	
8,1		Stem details/length in closed position	: Diameter :	26,0 mm	
8,2		: Lead :	5,0 mm		
8,3		: Run :	36,0 mm		
9	Dimensions of mounting flange acc. to ISO	: A / F	10		
10	Number of turns open/close	: 7,2			
11	Required running time	: 25,0	sec.	± 25% Max.	
12,1	Actuator data	Selected actuator make / type	: Drehmo Matic C / DMC120-A16		
12,2		Speed / P _n	: 19,2	RPM	/ 0,90 kW
12,3		Wiring diagram no.	: MC 002-XX01-AAAA-DBA/10		
13		Running time	: 22,5	seconds for	7,2 rev. open / close
14		Actuator output drive / flange	: A / F	10	
15,1		Torque switch "close" set at	: 90	Nm	
15,2		Torque switch "open" set at	: 90	Nm	
16,1		Stall torque at 85% Un	: 221	Nm	
16,2	Stall torque at 110% Un	: 371	Nm		
Notes					



03	1	BODY	ASTONALLOY / SALES
02	1	SEAT	STELLITE
04	1	GEAR BACKLAY	A 31 204
05	1	STEM PACKING	GRAPHITE
07	1	ISLAND / FLANGE	A 51 204 / CARBON STEEL
08	2	GRAND BOLT / NUT	ASTONALLOY / A 194-F8
11	1	STEM / BISC	17 CR / STELLITE
12	1	FLANGE / YOKI ASSEMBLY	CARBON STEEL
13	1	POSITION INDICATOR	17 CR
23	1	PANHANDLE KEY	STAINLESS STEEL
24	1	SET SCREW	STEEL ZINC PLATED
37	2	SPRINGWASHER	STEEL ZINC PLATED
44	1	NUT/ECLIPSE	ALUMINUM
47	4	HEAD CAP SCREW	STEEL ZINC PLATED
48	4	SPRING WASHER	STEEL ZINC PLATED
49	1	ELECTRIC ACTUATOR	MADE DOMESTIC PIPE SPEC-24-416

MAIN DIMENSIONS IN MM									
ITEM NO	NO.	SIZE	A	B	C	D	E	WEIGHT	CV VALUE
100		SIZE	38	42	305	172	83	KG	21.5

MAIN DIMENSIONS IN INCHES									
ITEM NO	NO.	SIZE	A	B	C	D	E	WEIGHT	CV VALUE
100		SIZE	1.5	1.7	11.81	6.78	3.28	LBS	

TAG NO. : 11712 NAD15A0027
11712 NAD15A0027

PRESSURE TESTING	ACC. ASME B31.34
VALVE DESIGN	ACC. ASME B31.34
END CONN.	ISO SCREW ON ACC. ASME B31.11
OP. P. TYP. OP.	20-1
COATING SYSTEM	1 LAYER HOTDIP SILICON ZINC 16000

DESIGN	DATE	DESIGN	MODIFICATION
FORGED STEEL THROTTLE VALVE WITH ELECTRIC ACTUATOR PRESSURE CLASS 12500 LBS			

HP VALVES REP. : 

PRODUCT REFERENCE : 1-10000 - CCC 40000
CLIENT P.O. NO. : 42994
CLIENT : COMPTON S.A. GR. SV



HP VALVES

DRAWING NO. : 00000000

REVISED : 00000000

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S08-0355-109

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