

#### Actuator design data:

Valve stroke:	20	(mm)
Req. force open:	5	(kN)
Req. force close:	5	(kN)
Air supply min.:	4	(Bar)
Air supply max.:	9	(Bar)
Stroking time - modulating:	-	(Sec)
Stroking time - quick open:	<5	(Sec)
Stroking time - quick close:	<5	(Sec)

#### Solenoid valve functions

Action	S1	S2
Quick open	Valve opens	De-energized
Quick close	Valve closes	Energized
-	-	-

#### Signals / failure functions:

Input signal:	-
Valve closed at:	-
Output signal:	-
Air supply failure:	Valve opens
Input signal failure:	-
Electric failure (solenoid):	Valve opens

#### Accessories:

			Notes:	Item no:	Qty
Cylinder		MSD II 400 DA with hand wheel		-	
Positioner	P	-		-	
Air lock valve	AL	-		-	
Position transmitter	PT	-		-	
Solenoid valve	S	ASCO 8320 G		23	
Solenoid valve supply voltage		110 VDC		23	
Air bottle	AB	-		-	
Limit switch open	LSO	NAMCO EA 530		21	1
Limit switch close	LSC	NAMCO EA 530		21	1
Air filter/Air filter regulator	F/AFR	YT-200 series		20	
Bypass valve	BP	-		-	
Derivative relay	D	-		-	
Pressure gauges	PG	-		-	
Tubing mtrl.		SS steel		18	
Fitting mtrl.		SS steel		19	
Air supply conn.		3/8" NPTF		-	
Yoke		CCI STD		-	

Interconn. diagram No.

0

Actuator specification No.

A295154.30

Rev.

1

IND	ALTERATION	DATE	SIGN
C	Drawing translated to Bulgarian.	2007-04-16	NBL
D	Dimensions added. Actuator turned of 90 °. Top view added.	2007-05-08	NBL
E	Tag No. is corrected.	2007-07-23	NBL

Клиент  
Проект  
Ръ-чка  
Означение №  
Заводски №  
Тегло

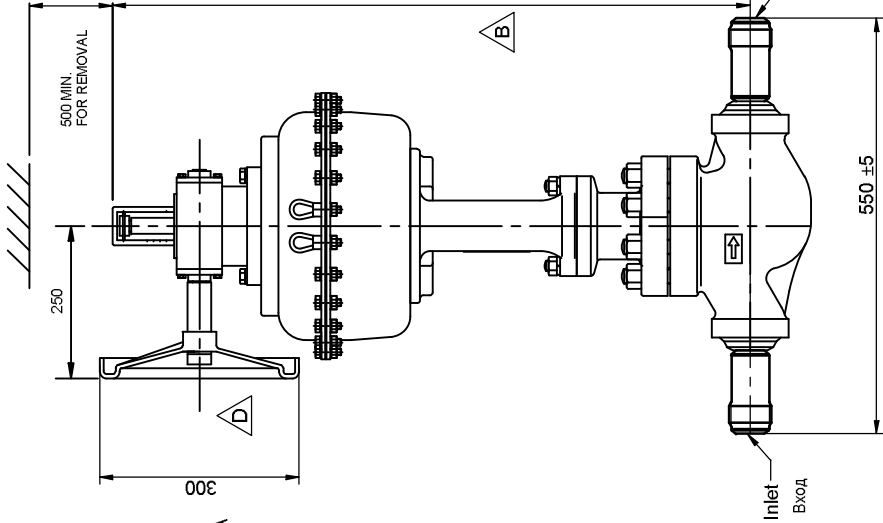
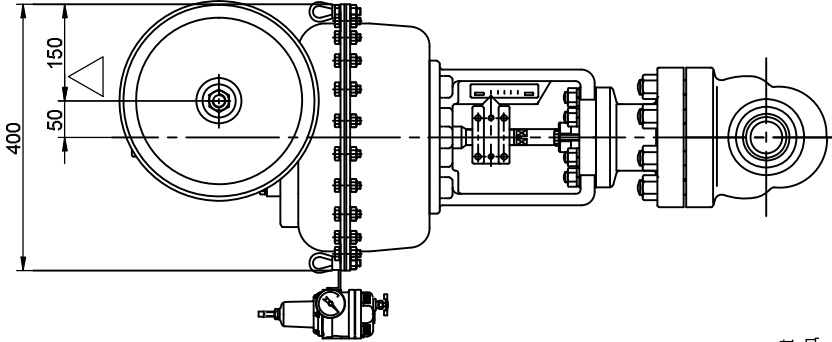
Customer  
Project  
Po. No.  
Tag No  
Vo No.  
Weight

: Alstom Power  
: Maritza  
: 744297  
: 01/02LAB60AA022/E  
: 295154.30A/B  
: ~85 kg

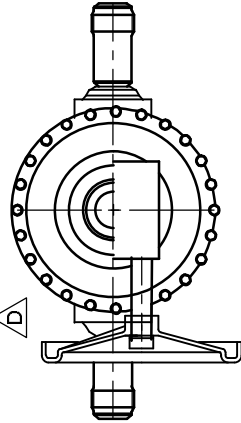
Вход/

Inlet / Outlet

: 1½" BWE ASME B16.25



Top View Вид Сверху



4	07-07-23	NBL	RdP	SgM	Tag No. is corrected	FUS
3	07-05-08	NBL	RdP	SgM	Dimensions added. Top view added.	FUS
2	07-04-16	NEL	RdP	SgM	Drawing translated into Bulgarian	FUS
1	07-04-02	EnS	RdP	SgM	Rev. B added	FUS
0	07-03-15	EnS	RdP	SgM	First issue	FUS

Actuator:  
MSD II 400DA  
Работен орган

Maritza East I Power Station



Space for stamp of Municipality of Salabovo Място за печат на Община Гълъбово	Space for further stamps Място за допълнителни печати
Area for stamp of ECE Control 000 (ICS) Място за печат във ВЕБ Control 000Д (Генерал Валеро)	Space for stamp of authorized Bulgarian Designer Място за печат на лицензиран български проектант
Main Contractor / Главен изпълнител <b>ALSTOM</b> Power Generation AG Power Boiler GmbH	Partner of Main Contractor / Партньор на главния изпълнител

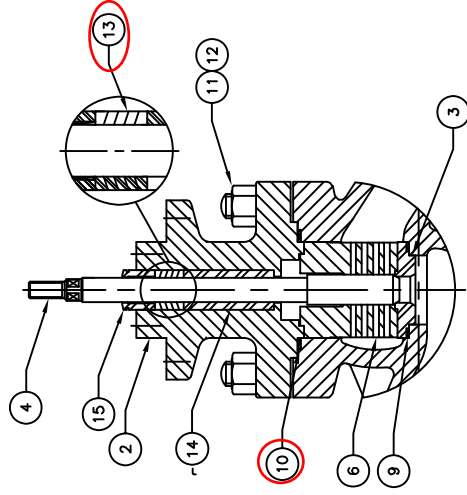
Responsible dept. CCI	Отговорен отдел	Created by NBL	Създадено от	Checked by JeC	Проверено от	Approved by SgM	Одобрено от	Format A2
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						Project Doc Number MTZ/12/M/-----M24EA/003		
						Rev.	Date	Lang Sheet
						4	07-07-23	E 1/1

Surface treatment Обработка на повърхност	Surface roughness acc. ISO 8557 Суровост на повърхността	Surface roughness unless after specified Суровост на повърхността освен след спецификация	Technical acc. to ISO 2861 ± IT M2 Технически съответствие с ISO 2861 ± IT M2
			Form and positional tolerance ISO 2768-K Формови и позиционни толеранси ISO 2768-K
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DRAWN 2007-01-09 CHECKED 2007-07-23 TAT.	SIGN RdP SIGN NBL	840H2-20 Dump valve Certified drawing Tag No. 01/02LAB60AA022	Values BEG
VO	DRAWING NO S086033	REV ITEMATERIAL E	ITEMNO S0860338
			REV A

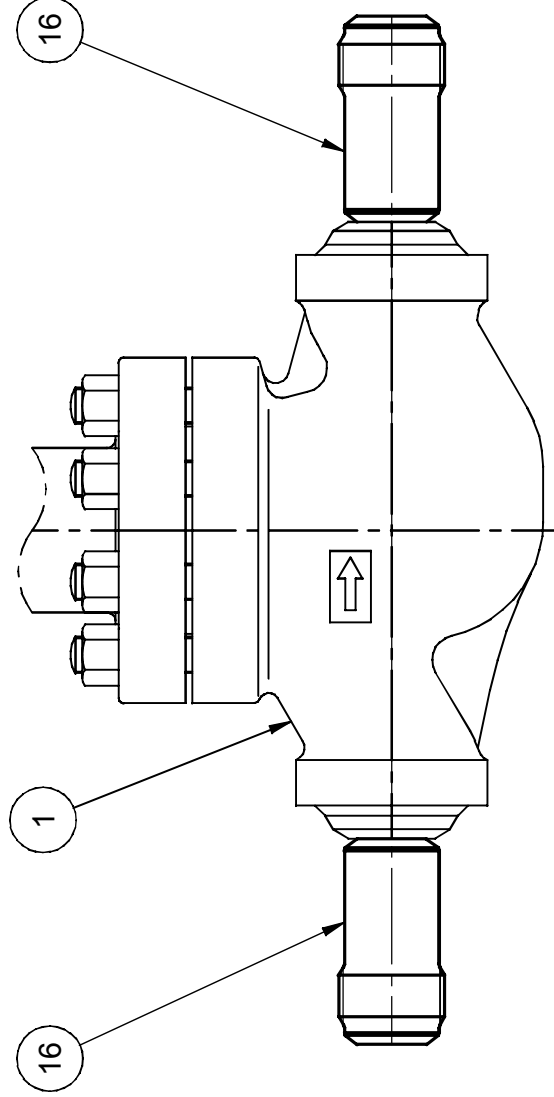
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## PARTS LIST

NO	NAME	MATERIAL	QTY	REMARKS
1	BODY	A217 WC6	1	
2	BONNET	A217 WC6	1	
3	SEAT	410 SS	1	
4	SPINDLE	410 SS	1	
5	N/R			
6	CAGE	410 SS	1	
7	N/R			
8	N/R			
9	GASKET	304+GRAPHITE	1	
10	GASKET	304+GRAPHITE	1	
11	BONNET STUD	A193-B16	8	
12	HEX. NUT	A193-7	8	
13	PACKING SET	GRAPHITE	1 SET	
14	PACKING SPACER	300 SERIES SS	1	
15	PACKING GLAND	300 SERIES SS	1	
16	CONE 1 1/2"	15NICUMONB5	2	



BODY SECTIONAL VIEW



REVISIONS			
LTR	DESCRIPTIONS	DATE	APPROVED
2	Revision No, Updated	07-12-12	SgM
1	Changed Tag No.	07-12-12	SgM
0	First Issue	07-04-16	SgM

[illegible]

Maritza East | Power Station



Space for stamp of Municipality of Galatovo

Source for further stamps

Area for stamp of EOE Control (OD (CS))	Space for stamp of authorized Bulgarian Designer
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ALSTOM  
Power Generation AG  
Primar-Büro GmbH

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