ADVANCE ELECTRIC CO.,INC.

記号	日付	変更者	記事
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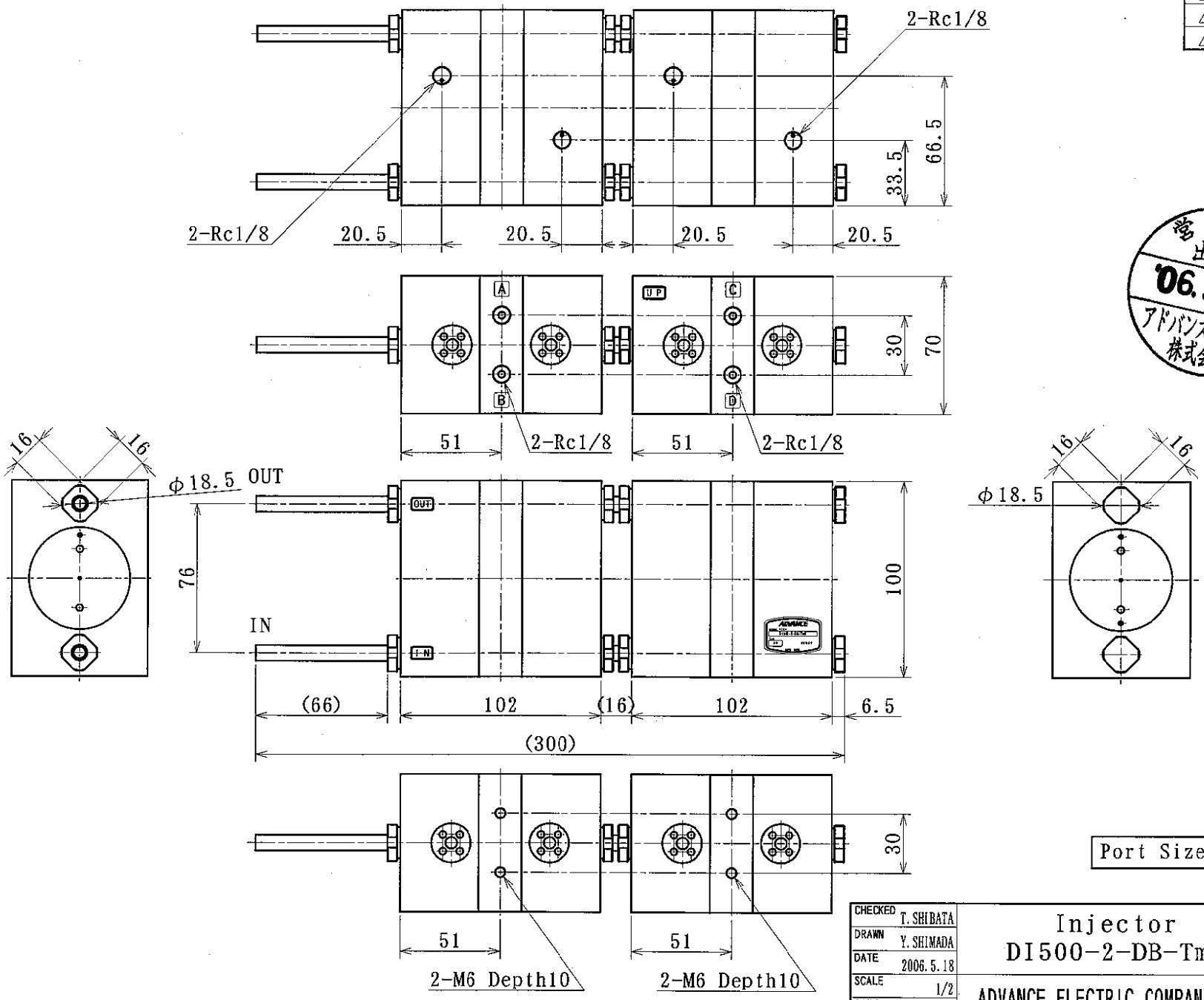

営業部 出図 '06.5.18 アドバンス電気工業株式会社

Port Size (O.D.×I.D.)	8×6

CHECKED	T. SHIBATA
DRAWN	Y. SHIMADA
DATE	2006.5.18
SCALE	1/2
SIZE	A3

Injector
DI500-2-DB-Tm8

ADVANCE ELECTRIC COMPANY INC.

SPEC SHEET NO.
SPEC-XX-9137-**E

DRAWING NO.
XX-9137-00 AE

DI Series SPEC Sheet

Model Code DI500-2-DB-Tm8 | Document No. SPEC-XX-9137-00E

Created: Y.Shimada
Approved: T.Sakai
DATE: 2006.5.18

DRAWING No.	XX-9137-**AE (Dimensions / Mounting Holes / Label Position)	Cutaway Drawing/Parts List
End Connection	PFA Tube	Cut tube to the required length.
Port Size	(O.D.xI.D.) φ8xφ6 [mm]	*Note 1*
Media	Ultra Pure Water & Liquid Chemical	Do not use media which attack and damage wetted material.
Self Priming Capability	Water Head 1 [m](MAX) H_2O	
Media Temperature	10～40 [℃] Avoid boiling/freezing points.	
Ambient Temperature	10～60 [℃]	
Recommended Flow Rate	0～1000 [mL/min] H_2O	Refer to the graph.
Solenoid Valve Cycle Time	0.8 [sec]	Duty ratio 50%
Air Consumption	See [Cf.] p. 2	
Mounting Position	Mount horizontally with the air port located at the top.	
Solenoid Driving Valve	Four 3-way solenoid valves (not included) that exceed an orifice area of 4 (mm2) (Cv0.2) are required for driving the DI.	
Wetted Material	PTFE, PFA	
Related Laws / Regulations	From 1/1/2003, this product does not correspond under article 3 of strategic materials, which is regulated by the Foreign Exchange and Foreign Trade Control Act.	

Note 1 Note that the discharge rate will decrease if the suction side is restricted smaller (in diameter) than the port size.

[Maximum Discharge Pressure]

Drive Air Pressure [MPa]	Maximum Discharge Pressure [MPa](MAX)
0.4	0.4

Do not let the discharge pressure of DI exceed the maximum specification of 0.4MPa.
When primary pressure is applied, the discharge pressure from DI increases compared to when primary pressure is not applied.
Confirm the discharge pressure from DI (within actual system) when using in the case where primary pressure is applied.

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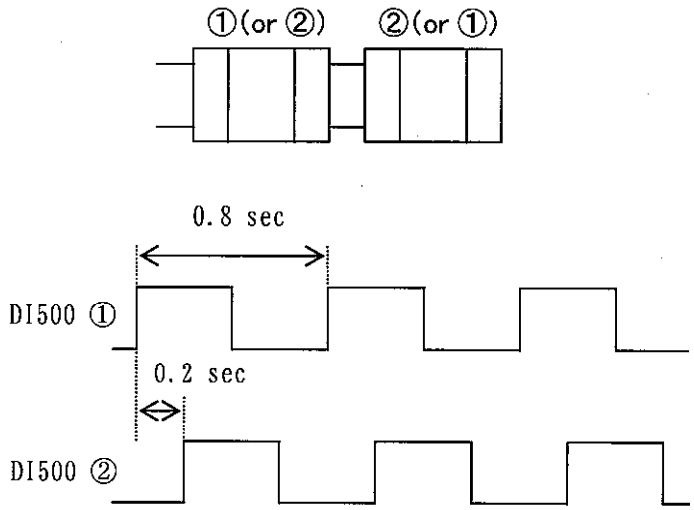
株式会社

Revision No.	Note	Date	Revision	Approval

[Solenoid Valve Cycle Time]

This product has two units of DI500-2-DB-Tm8 linked together.
Please operate each unit under the cycle time specified in P.1.
Moreover, set an operational timing delay of 0.2 seconds between ① and ②. (Refer to the figure below.)



Operational Timing

[Air Tube Length/Air Consumption]

Utilized Air Tube Size (O.D.×I.D.) φ4×φ2.5

- Drive Air Pressure of DI set @ 0.4MPa

Tube Length [cm]	Air Consumption [L/min (ANR)]
50	28
100	31
150	34
200	37