

## DNS FC31000 System

300mm

De-installed, crated in warehouse

SPM / HQDR

BHF / QDR

SC1 / QDR/HCL

LPD

### FC-3100 CONFIGURATION SPECIFICATION LIST

Process Generation	Utility Direction	Utility Pressure	Wafer Size	Power Supply	Power Requirement					
Manufacturing#	Bottom	DIW 0.3~0.35Mpa	300mm +/- 0.2mm	60Hz 3Phase 208V	General power					
Tool Name	Supply Bottom	Cooling Water 0.25~0.3Mpa	775 +/- 25um		***A	Breaker Size				
Tool ID	Drain Bottom	Chemical 0.1~0.2Mpa	FOUP		UPS power	Breaker Size				
Destination	Exhaust	350~400Pa	25Wafers		**A					
POS.	9	8	7	6	5	4	3		2	1
TANK#	1	2	3	4	5	6	7			
Safe / UnSafe	Safe	Safe	Unsafe	Safe	Safe	Safe				
Bath Name	SPM	HQDR	BHF	QDR	SC1	QDR-HCL	LPD		CHCL	CWS
Lifter / Shutter	Location									
	Material	Fire Polished	Fire Polished	Teflon coated(Full Coating)	Standard Quartz	Standard Quartz	PCTFE			PTFE
BCD	#1: NH4OH				CSB1,6					
I/F	#2: H2O2	5LDR [R:Needle]			CSB2,7					
	#3:									
	#4: HF			5LD, CSB8			CSB5			
	#5: HCL						CSB4			
	#6: H2SO4	5LDx2, 5LDR								
	#7:									
	#8: BHF			20LDR						
External BCD	#9: O3 Gas (Future)									
I/F	#10:									
	#11:									
	#12:									
CSB	#1: NH4OH				5LD					
I/F	#2: H2O2				5LD					
	#3: O3 Gas Box	O3 bubbler								
	#4: HCL						Needle			
	#5: HF							Needle x2		
External CSB	#6: NH4OH (Pos.5 built-in, pump)				Pump(10cc)					
I/F	#7: H2O2 (Pos.5 built-in, pump)				Pump(10cc)					
	#8: HF(Pos.7 built-in, pump)			Pump(5cc)						
	#9:									
	#10:									
DI H2O		20LDR	60LPM UP	20LD, 5LR	60LPM UP	20LDR	60LPM UP	60LPM UP		*
Hot DI H2O			60LPM UP			20LD				*
IPA										
Setting Ratio	P1:	H2SO4:H2O 2 = 4:1 120C		BHF 25C		NH4OH:H2O2:DI W = 1:4:20 25C +/- 3	HCL:DIW = 1:500	IPA vapor HF:DIW = 1:200		
	P2:	H2SO4:H2O 2 = 9:1 125C		HF:DIW = 1:100 25C		NH4OH:H2O2:DI W = 1:2:50 35C	[HCL:DIW = 1:1000]	HF:DIW = 1:1000		
	P3:	H2SO4:H2O 2 = 50:1 90C		HF:DIW = 1:200 25C		NH4OH:H2O2:DI W = 1:2:50 65C				
	P4:									
	P5:									
	P6:									



Replenishment	Level Replenishment	(*)		*		(*)				
	Pre/Post Replenishment	(*)		*		(*)				
	EAQ Replenishment									
Process Temp. (Celsius degree)	Interval or Original-Ratio or Feedback	Feedback		Interval		Feedback				
	Temp. setting	80 -150C	RT / 70C	20 - 25C	RT	RT)30C - 70C				40C
Process Bath	Accuracy (While Tank Is Idle)	+/- 1		+/- 0.1		+/- 1 *1				
	Shape(Type)	Overflow Double	Overflow	Overflow Double	Overflow	Overflow Double	Overflow	Overflow		Overflow
Bath Functions	Material	Quartz	Quartz	PTFE	Quartz	Quartz	Quartz	PVC		HT-PVC
	Over Flow Rinse	*	*	*	*	*	*	*		*
	Shower(Spray)		*		*		*			*
	Resistivity Meter		*		*		*	*		*
	Bath Autocover	*	*	*	*	*	*	*		*
	Megasonic					Kokusai	Kokusai			
	Bath Cleaning	*		*		*				
	Pre-Dip									
	Agitation									
	N2 Purge							*		N2 Knife
	Sensor Cleaning			*						
	Chemical Sampling		T#1 SPM *2		T#3 BHF *2		T#5 SC1 *2			
Temperature Control	Lamp Heater	*				*				
	Stainless Heater									
	Electric Temp. Controller <STD>			*						
	Electric Temp. Controller <Advanced>									
Re-circulation Functions	Pump	FF-40HT1-06 (Iwaki)		FW-40T2-29 (Iwaki)		FW-40T2-29 (Iwaki)				
	Filter	QCVVATX4S		IHAZ01P01K		QCCZATM01K				
	Filter housing	Dispo		YY5611213J		YY5611213J				
	Concentration Meter	SPM Optical "HORIBA" CS-150F1- 9610-QU-P-5M				SC1 Optical "HORIBA" CS-15MF1-11- 1522-QU-P-5M				
	Conductivity Meter			HF(W%) Monitor "HORIBA"			Hf(W%)Monito r "HORIBA"	HF(W%) Monitor "HORIBA"		

Drain Functions	Gravity									*
	Pump	*		*		*		*		
	Quick Dump		*		*		*	*		
	Cooling Tank- Aspirator									
Drain Line	Cooling Tank-Gravity									
	DR-REC-1		Reclaim		Reclaim		Reclaim	Reclaim		
	DR-GW	BC	(SPM)				(SC-1)			*
	DR-MHF			BHF, DHF						
	DR-DHF			BC	(BHF, DHF)				DHF	
	DR-HPM						HCL			
	DR-APM					SC1, BC				
	DR-H2SO4	SPM								
	DR-REC-2								IPA Water	
	DR-ACT935									
Exhaust Line	DR-IPA (IPA Return)								IPA	
	EX-ACID	*	*	*	*	*	*	*	*	*
	EX-ALKALI					*	*	*	*	
	EX-SOLVENT							*	*	
	EX-GENERAL							*	*	











