

TEL Formula 300mm Configuration :

Data & Configuration

Description: Diffusion (NIT)

Manufacturer: TEL

Model: FORMULA

Wafer Size: 300mm

Vintage: 2007.

S/W Version 2.0

Configuration:

< Basic Configuration >

Thoroughput: 50 wafers in Batch

Temperature: 800°C

Gas Unit: DCS .NH₃,H₂,O₂ ,20%F₂/N₂,HF,F₂

System Controller: WAVES/Model780

Heater: Mid-Temp VCM-50-XXX

Exhaust Controller: CKD VEC (Hot)

EXH Box: Standard Type (190 cm width)

Dry Pump:Exclude

< Gas Configuration >

Gas Pressure Flow Connection Type

Gas Box

P-N₂ 0.5MPa 92 L/min ϕ 1/4"UJR

20%F₂/N₂, 0.2MPa 5 L/min ϕ 1/4"UJR

H₂ 0.2MPa 5 L/min ϕ 1/4"UJR

O₂ 0.2MPa 5 L/min ϕ 1/4"UJR

F₂ 0.2MPa 5 L/min ϕ 1/4"UJR

HF 0.2MPa 5 L/min ϕ 1/4"UJR

DCS 0.2MPa 5 L/min ϕ 1/4"UJR

NH₃ 0.2MPa 5 L/min ϕ 1/4"UJR

EXH Box

P-N₂ - - ϕ 3/4"SWG

P-N2 - - $\phi 1/2$ "SWG

P-N2 - - $\phi 1/2$ "SWG

D-N2 - - $\phi 3/8$ "SWG

D-N2 - - $\phi 3/8$ "SWG

D-N2 - - $\phi 1/4$ "SWG

Vacuum 20KPa - $\phi 3/8$ "SWG

RCU

P-N2 0.7MPa 1200 L/Min $\phi 3/4$ "SWG

D-N2 0.7MPa - $\phi 1/4$ "SWG

P-N2 - - $\phi 3/4$ "SWG

P-N2 - - $\phi 1/2$ "SWG

P-N2 - - $\phi 1/2$ "SWG

D-N2 - - $\phi 3/8$ "SWG

D-N2 - - $\phi 3/8$ "SWG

D-N2 - - $\phi 1/4$ "SWG

Pump

D-N2 0.7MPa - $\phi 1/4$ "SWG

D-N2 0.7MPa 110 L/min $\phi 1/2$ "SWG