

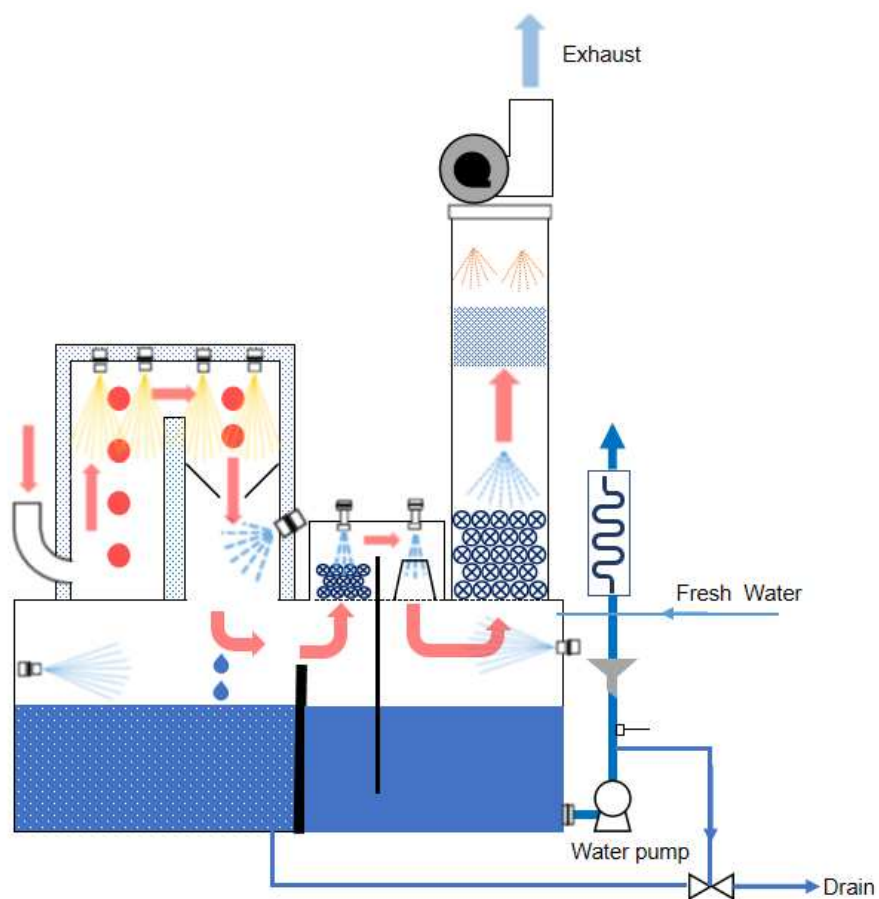
# CDO

## INTEGRATED THERMAL AND WET ABATEMENT

The C91 is an advanced, point-of-use, integrated thermal-wet treatment system designed to provide a controlled gas conditioning environment for today's demanding semiconductor, LED and flat panel display process chemistries.

C91 is utilizing multiple heating rods with fault-tolerance system to reduce system downtime, the heaters are evenly spaced out in the reactor to ensure that the decomposition of the process gas is well taken care of.

With all the new interesting features added to C91, it is setting new standards for both high efficiency and light maintenance abatement



### APPLICATION

- Polysilicon
- CVD
- Pyrophoric/flammable gas combustion
- Gas cabinet vent purge

### ADVANTAGES

- Fault-tolerance heater design
- Sedimentation compartment
- Particles separation system
- Limited NOx and CO emission
- Low water consumption and recirculating water system
- Ease of use and maintenance
- Optional accessories available
- Third party certified, SEMI S2 compliance, CE marked
- Ethernet ready

# Specifications

## OPERATING PARAMETERS

Process Gas Capacity per System	-
Freshwater Consumption	01.0 gpm (3.8 slm)
Cool Water Consumption	15 gpm (57 Lpm)
Nitrogen Consumption	200 slm (7 cfm)
Clean Dry Air (CDA) Consumption	1200 slm (42 cfm)
Process Exhaust Gas Static Pressure	-
Power Consumption	8.5 kW
Reliability MTBF MTTR	> 4,300 Hours > 1 Hour

## FACILITIES REQUIREMENTS

Process Connection	1 – 4 Inlets KF-25, KF-40
Compressed Gas Nitrogen	80 – 10 psi (551±69 kPa) 1/2" Compression Fitting
Clean Dry Air	80 – 100 psi (621±69 kpa) 1/2" Compression Fitting
Water Supply Fresh Water	40 – 50 psi (280 – 340 kpa) 1/2" Female NPT
Cooling Water	55 – 75 psi (380 – 520 kpa) 50 °F (10 °C)
Cooling Water Inlets / Outlets	1" Female NPT
Sump Pump Drain	3/4" Female NPT
Process Exhaust Gas	ISO 100 mm SS or FRP
Electrical Supply	380/400 VAC, 50/60 Hz, 40A, 3 Phase, 5 Wire
Overall Dimensions	78.12"H x 49.47"W x 31.75"D (1,984.25 x 1,256.5 x 908 mm)
Clearance	Front & Back 36 in (914 mm) Left & Right 0 in (0 mm)

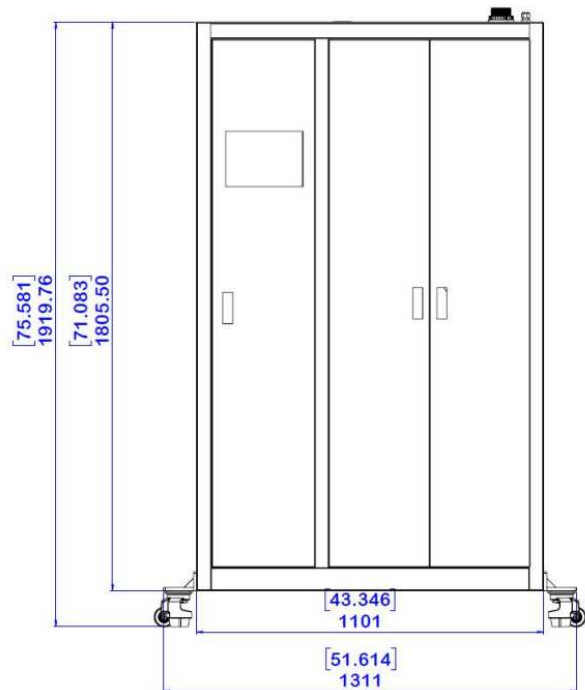
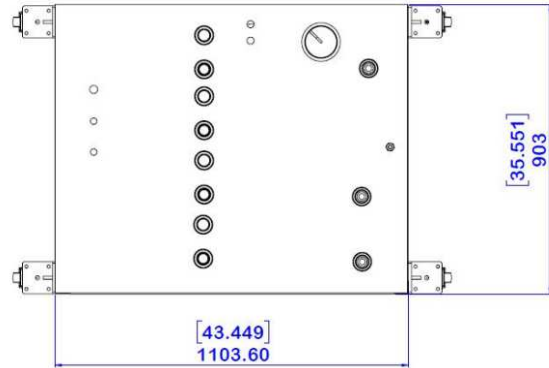
## COMMUNICATION AND INTERLOCKS

- Multiple dry contacts to meet customer-defined requirements.
- Ethernet ready

## OPTIONAL ACCESSORIES

- Flame Retardant Material (FM4910)

## Product Dimension



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