

# Aqua

## “WET” TYPE POU ABATEMENT



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### Exhaust solution for high-volume semiconductor manufacturing



#### Applications

- > Semiconductor processes

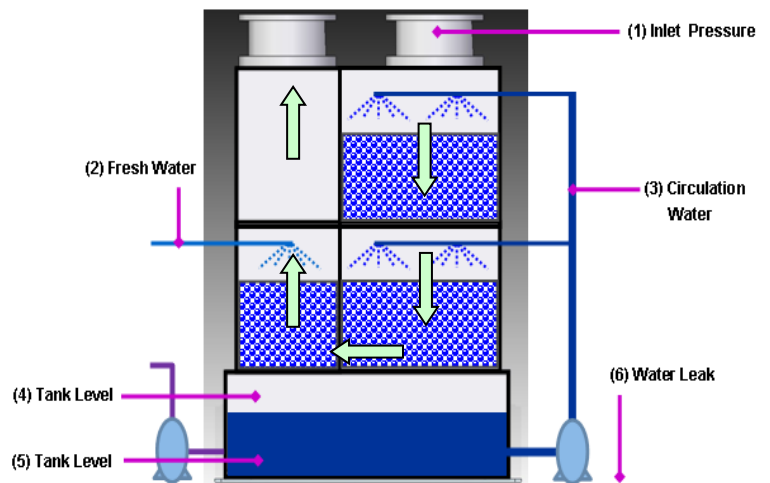
#### Features

- > Multi-stage water scrubber
  - Packed bed co-current stages
  - Packed bed counter flow stage
  - Large volume demister chamber for gravitational settling
- > Transparent PVC wet chambers
- > Pump drain
- > pH adjust option
- > Induction fan option

#### Benefits

- > High capacity scrubber
- > Low operating costs
- > Simple and easy maintenance
- > Corrosion resistant wet chamber construction
- > Minimal water mist carry over to exhaust header
- > HVM (high volume manufacturing) proven

#### System Specifications



- Total System Capacity: **60 m<sup>3</sup> / minute**
- Per Inlet Capacity: **60 m<sup>3</sup> / minute**
- Process Inlets: **VP 300A flange single entry**
- MTBF: **> 6,000 hours**
- MTTR: **< 1 hour**
- MTTP: **< 4 hour**

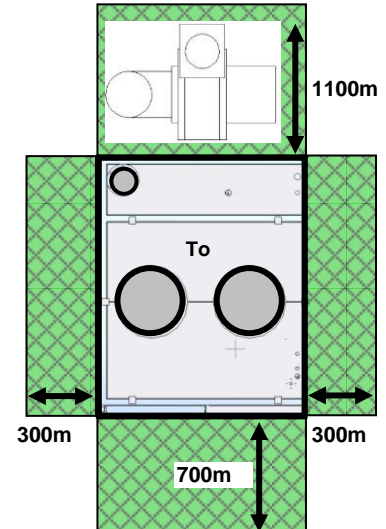
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#### Dimensions and Weight

	Aqua
<b>Dimension</b> (W x D x H in mm)	1300 x 1600 x 1610
<b>Weight</b> (kg)	500



#### Utilities

Item	Type	Typical Usage	Connection Type
		Aqua	
Electricity	208VAC 3 Phase	7 KW (including ID fan)	
CDA	5 ~ 6.5 kg/cm <sup>2</sup>	3 LPM	3/8" SS compression
City Water	3 ~ 6 kg/cm <sup>2</sup>	3 L/min	1/2" SS compression
Drain Water	Acid Drain	3 L/min	20A PVC union
Gas Exhaust	-50 ~ -80 mmH2O	60 m <sup>3</sup> /min	VP 300 Flange
Cabinet Exhaust	-30 ~ -60 mmH2O	4.5 m <sup>3</sup> /min	MF100 Flange

#### Environment

- Clean and dry environment
- Temperature: 5 ~ 27 °C
- Relative Humidity: < 55%

#### Abatement Noise Level

- Normal operation at ≤80 dB(A)