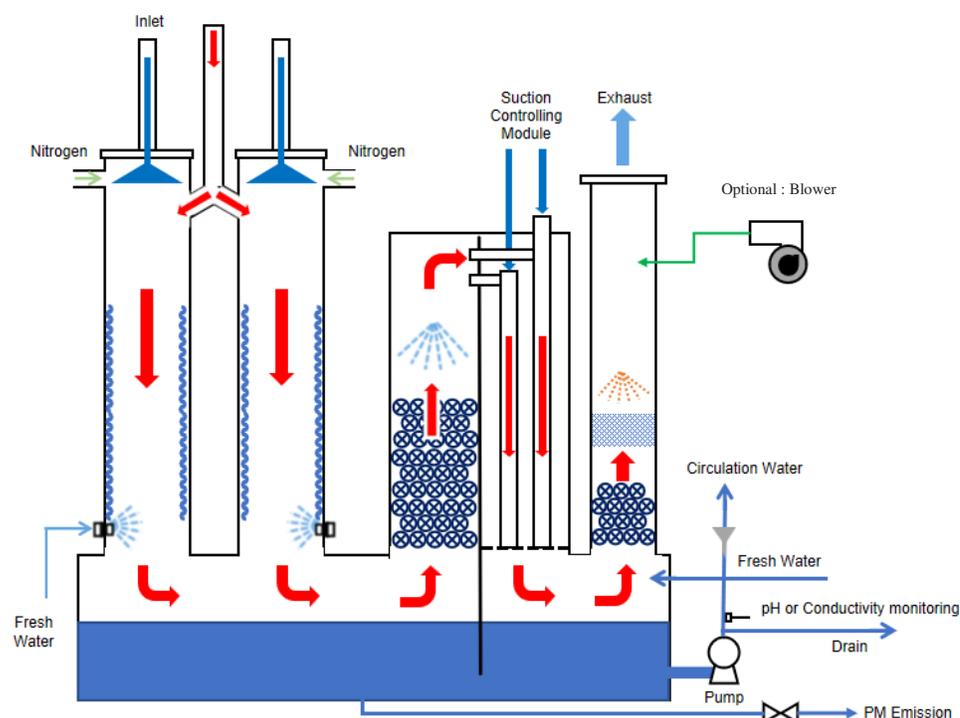


Vector V91

WET ABATEMENT SYSTEM

Reliable treatment systems are critical to the productivity of advanced process tools. A treatment solution must have high uptime and be flexible enough to handle changing process and environmental needs. The Vector V91 is uniquely suited to meet these challenges.

Utilizing cyclone-driven particulate design for both gas and water sections, V91 is tailored to high particulate forming process. The chemical dosing option enable V91 to handle toxic gases like Arsine (AsH_3) and Phosphine (PH_3) to meet today's stringent safety and environmental requirements.



APPLICATION

- Epitaxy
- Water soluble gases
- AsH_3 , PH_3

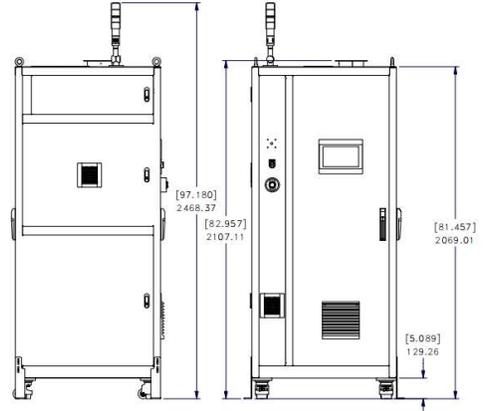
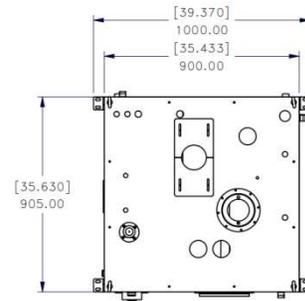
ADVANTAGES

- Multi stages scrubbing
- High flow capacity
- Reduced water consumption
- Recirculating water system
- Low cost of ownership
- Ease of installation and services
- Inlet pressure control and self-cleaning mechanisms
- SEMI S2 compliance, CE marked
- Ethernet ready

Product Dimensions

OPERATING PARAMETERS

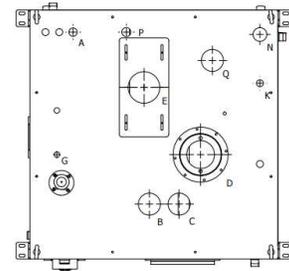
Process Gas Capacity	600 slm
Fresh Water Consumption	2 – 4 slm (Process Dependent)
N2 Consumption	10-50 slm (Process Dependent)
Process Exhaust Static Pressure	-5" to -2.5" w.c.
Cabinet Exhaust Static Pressure	-0.40" w.c.
Power Consumption	2,570 watts



FACILITIES REQUIREMENTS

Process Connections	1 Inlet Port KF40
N2 (System)	90± 10 psi 1/2" compression fitting
Water Supply Fresh Water	40 – 60 psi 1" compression fitting
Drain	1" FNPT
Process Exhaust	-5.0" to -2.5" w.c. 8" ANSI PVC Flange
Cabinet Exhaust	-0.40" w.c. (200mm) metal duct
Electrical Supply	380/400 VAC, 50/60 Hz 25A , 3 Phase, 5 Wires
Overall Dimensions (HxWxD)	76.37" H x 35.43" W x35.43" D inch (1,939.75 H x 900.00 W x 900.00 D mm)
Clearance	Front– 35.43" (900 mm) Left, Right– 23.62" (600 mm) (Optional) Rare-23.62"(600 mm) (Optional)

Facilities Connection



COMMUNICATION AND INTERLOCKS

- Multiple dry contacts to meet customer-defined requirements
- Ethernet Ready
- Supports Central Monitoring System (CMS)

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 Email: sales@ecosysgrp.com
<https://ecosysgrp.com>

	DESCRIPTION	CONFIGURATION	CONNECTION
A	Power Required	380/400 VAC, 25A, 3-phase, 5wires	50/60 Hz
B	Process Bypass	1 Bypass Port	KF40
C	Process Inlet	1 Inlet Port	KF40
D	Cabinet Exhaust	6" (152 mm) SST or FRP	6" (152 mm) Metal duct
E	Process Exhaust	8" ANSI PVC Flange	8" ANSI PVC Flange
G	Nitrogen (System)	90±10 psi	1/2" Compression Fitting
K	Fresh Water	40-60 psi	1/2" Compression Fitting
N	Drain	--	1" FNPT
P	Nitrogen (Purge) Optional	90±10 psi	1/2" Compression Fitting