



SUN SEA GRP PTE LTD

10 Anson Road #30-18 International Plaza Singapore 079903

Tel : (65) 8023 6524 email : sunseagr@gmail.com

Website : www.sunseagr.com





SUN SEA GRP PTE LTD

10 Anson Road #30-18 International Plaza Singapore 079903

Tel : (65) 8023 6524 email : sunseagr@gmail.com

Website : www.sunseagr.com

SUN SEA MISSION & VISION

SUN SEA GRP PTE LTD started off with a humble beginning of being a subcontractor for parts fabrication for air pollution control (APC) system providers and designers. With this experience and coupled with the support of designers, Sun Sea is now able to provide a full range of parts and air pollution control systems.

SUN SEA targets in the future to allow for such air pollution control system to be controlled out of site and allow for more efficiency and effective use of manpower resources and has continuously worked with her partners to achieve automation monitoring for such systems.

SUN SEA engages authorized test laboratories to test for mechanical properties, air pollution emissions, NDT inspection for clients for existing systems or new systems. SUN SEA also provides checks for air source contaminants and airflow requirements.

USAGE OF APC SYSTEMS

APCs can be used in many industries and many processes. However different processes and industries may have different requirements accordingly subjected to the pollutants emitted.

Industries Involved

- 1) Waste Water Treatment Plants
- 2) Chemical Process Plants / Storage Lines
- 3) Solvent Plants / Painting Lines / Plating Lines
- 4) Restaurants
- 5) Waste Collection



SUN SEA GRP PTE LTD

10 Anson Road #30-18 International Plaza Singapore 079903

Tel : (65) 8023 6524 email : sunseagr@gmail.com

Website : www.sunseagr.com

TYPES OF APC SYSTEMS

SUN SEA offers a range of corrosion resistance, vertical or horizontal scrubbers for different requirements.

Types of APC Systems

- 1) Horizontal Water / Process Scrubber
- 2) Vertical Water / Process Scrubber
- 3) Dry Absorbers
- 4) Pre and Post Filters
- 5) Individual Mist Eliminators



COMPONENTS FOR APC SYSTEM

SUN SEA offers a range of different types of components used for the various APC system and they are mainly as follows;

Subject to end user's convenience and usage, different types can also be adopted to meet different requirements.

Components in APC System

- 1) Packings Media – PP, large surface area, low-pressure drops
- 2) Spray nozzles - PVC, full cone
- 3) Chemical Pump – CPVC, sealless, high efficiency performance and low energy usage
- 4) Mist Eliminator – PVC, low-pressure drop and high separation efficiency
- 5) Chemical Metering Pump - solenoid operated diaphragm
- 6) Fan – FRP / PP / PVC, Belt-Driven / Direct-Drive



SUN SEA GRP PTE LTD

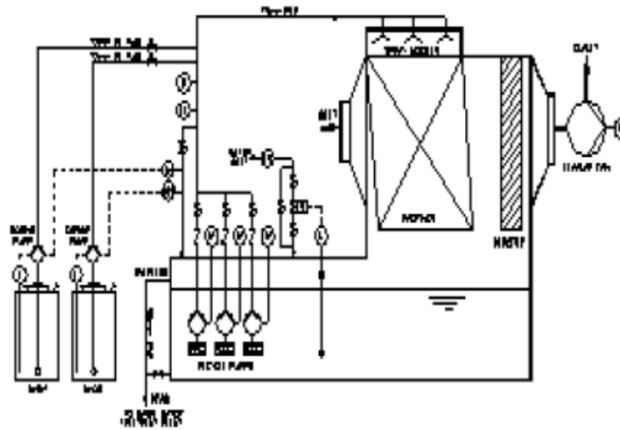
10 Anson Road #30-18 International Plaza Singapore 079903
 Tel : (65) 8023 6524 email : sunseagr@gmail.com
 Website : www.sunseagr.com

APC SYSTEMS SPECIFICATION

SUN SEA fabricates APC Systems in both Horizontal or Vertical Process.

Horizontal Process

Such systems are usually placed indoors or for usage in laboratory where height constrains needs to be taken into consideration.



Capacity (m ³ /hr)	Size of APC (mm) (L x W x H)	Inlet Diameter (mm)
3000-5500	3020 x 800 x 1700	300
5500-10500	3530 x 1200 x 2000	400
10500-15500	3790 x 1370 x 2300	500
15500-20500	4280 x 1700 x 2450	600
20500-25500	4400 x 1860 x 2850	700
25500-31500	4680 x 2050 x 3000	750

Above sizes serves as a reference and an estimate and SUN SEA reserves the rights to modify the sizes accordingly subject to process and treatment requirements.

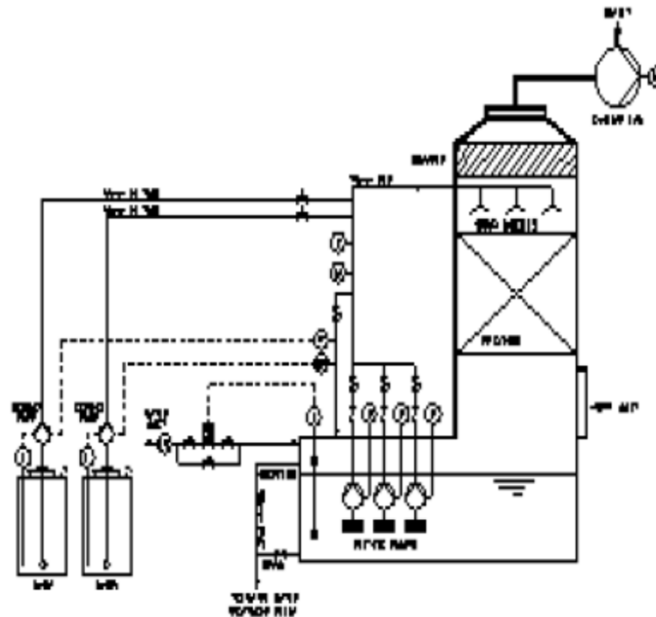


SUN SEA GRP PTE LTD

10 Anson Road #30-18 International Plaza Singapore 079903
 Tel : (65) 8023 6524 email : sunseagr@gmail.com
 Website : www.sunseagr.com

Vertical Process

Such systems are usually placed outdoors or for usage in production or process purposes where emission stacks needs to be taken into consideration.



Capacity (m ³ /hr)	Size of APC (mm) (L x W x H)	Inlet Diameter (mm)
10500-15500	2000 x 1000 x 4500	500
15500-20500	2100 x 1900 x 4900	600
20500-25500	2200 x 2200 x 5300	700
25500-31500	2400 x 2400 x 5500	750
31500-35500	2600 x 2600 x 5700	800
35500-40500	3700 x 2800 x 5800	900
40500-45500	3750 x 2900 x 6100	950
45500-50000	3850 x 3000 x 6300	1000

Above sizes serves as a reference and an estimate and SUN SEA reserves the rights to modify the sizes accordingly subject to process and treatment requirements.



SUN SEA GRP PTE LTD

10 Anson Road #30-18 International Plaza Singapore 079903

Tel : (65) 8023 6524 email : sunseagr@gmail.com

Website : www.sunseagr.com

OTHERS

SUN SEA believes that planning and prevention is always better. In consideration of this believe, SUN SEA with their partners provides a range of services to assist in identifying any areas of concerns before putting the systems into operations.

Types of Services

- 1) Fabrication Shops Inspections
- 2) Pre-delivery Inspections
- 3) Visual Checks
- 4) Material Property Testing / Barcol Hardness Testing
- 5) Air quality checks
- 6) Airflow checks

Inspections, Testing and Maintenance services are tailored to fit the client needs and recommendation will be done based to ensure client can be assured. Please do not hesitate to contact us for discussions.



www.sunseagr.com

SUN SEA GRP PTE LTD

Together We Build