

Carbon Adsorption Systems

Siemens Water Technologies offers a full range of pre-engineered carbon adsorption systems in a variety of configurations and designs, to handle a wide range of applications.

Systems for Liquid Phase Applications

Aqua-Scrub® Low Pressure Liquid Phase Adsorbers

- Durable, lined carbon steel vessels
- 200-2,000 lbs. GAC per adsorber
- Ideal for low pressure (<15 psig) applications
- 10-100 gpm per adsorber
- Applications: Groundwater remediation, wastewater treatment, pilot tests

PV® Series High Pressure Liquid Phase Adsorption Systems

- Durable, lined carbon steel vessels
- 500-10,000 lbs. GAC per adsorber
- Suitable for higher pressure (<75 psig) applications
- 25-500 gpm per adsorber
- Applications: Groundwater remediation, wastewater treatment, hydrotesting

PG Series Polyglass Adsorbers

- Durable fiberglass reinforced resin adsorbers
- Excellent corrosion resistance
- 180-2,200 lbs. GAC per adsorber
- Rated to 150 psig
- 10-175 gpm per adsorber
- Applications: Process purification, process water treatment, corrosive environments unsuitable for carbon steel

HP® Series Liquid Phase Adsorption Systems (ASME code)

- Durable, lined carbon steel vessels, ASME Code
- Dual stage system with interconnecting piping
- 10,000-20,000 lbs. GAC per adsorber
- 8', 10', and 12' diameter vessels
- Rated to 125 psig
- 500-1100 gpm per adsorber
- Applications: Drinking water, food grade
- HP®1020L system: 75 psig rated and designed for non-potable applications
- HP®2000SS: 316SS adsorber for high pressure/high temperature process and wastewater applications



Systems for Vapor Phase Applications

Vent-Scrub® Vapor Phase Adsorbers

- Durable, lined carbon steel vessels
- 200-8,000 lbs. GAC per adsorber
- Rated to 3-15 psig depending on vessel size
- 100-3,750 cfm per adsorber
- Applications: Remediation (soil vapor extraction, air stripper off-gas), industrial (refinery / chemical processing – VOC control)
- Vent-Scrub® 200 Fan Package available - integrated drum adsorber and fan

FB Series Vapor Phase Adsorbers

- Rectangular box design
- 1,000 - 5,000 lbs. GAC
- Flow rates to 5,000 cfm
- Applications: Remediation (soil vapor extraction, air stripper off-gas), Industrial (refinery / chemical processing - VOC control)

RB-Series Roll-off Adsorbers

- Durable roll off box design – carbon steel
- 5,000-20,000 lbs. GAC per adsorber
- Rated to 28" w.c.
- 5,000-18,000 cfm per adsorber
- Applications: Remediation (soil vapor extraction, air stripper off-gas), industrial (refinery / chemical processing – VOC control)
- RB20 Blower Package available on rental basis

Associated Carbon Services With All Adsorber Lines Include:

- Nationwide service branch network
- Turnkey spent carbon exchange services
- Carbon reactivation / disposal services at ISO 14001 certified reactivation facilities
- Laboratory / analytical support
- Design / Fabrication / Installation services
- Flexible Financing options – lease and sale adsorbers; finance plans available through Siemens Financial Services



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