

## Water Technologies

# Westates™ brand Aqua-Scrub™ Low Pressure Liquid Phase Adsorbers

# SIEMENS

The Westates™ brand Aqua-Scrub™ adsorbers are designed to provide uniform water flow for consistent treatment and to ensure efficient carbon usage. These adsorbers can be cost effectively used in applications including:

- Groundwater remediation
- Wastewater filtration
- Pilot testing
- Leachate treatment
- Dechlorination
- Spill cleanup

### INSTALLATION, START UP AND OPERATION

The Aqua-Scrub™ adsorbers are shipped filled with dry activated carbon that must be properly wetted and deaerated prior to use.

Your Siemens sales representative can assist with details on installation, preferred operating conditions and carbon usage calculations using our extensive isotherm database.

At the time of purchase or rental of the Aqua-Scrub™ adsorbers, arrangements should be made for the reactivation of the spent carbon. Siemens will provide instructions and assistance to obtain acceptance of RCRA or non-RCRA spent carbon for reactivation.

Aqua-Scrub™ adsorbers must be drained and the inlet/outlet plugged prior to shipment. Spent carbon cannot be received until the acceptance process has been completed.

### BENEFITS AND DESIGN FEATURES

- Rugged carbon steel construction; internally/externally welded seams
- SSPC-SP5 surface preparation, fusion bonded epoxy internal lining; rust preventative/urethane exterior coat (Aqua-Scrub™ 1000/2000)
- Approved for the transport of hazardous spent carbon
- Aqua-Scrub™ 1000/2000 can be easily moved with a forklift
- Adapters are available to reduce the inlet/outlet to 1" FNPT (Aqua-Scrub™ 2000) and 2" FNPT (Aqua-Scrub™ 1000/2000)
- Cartridge and bag prefilters available
- Aqua-Scrub™ 1000/2000's available for rental or purchase

### PIPING MANIFOLD (OPTIONAL)

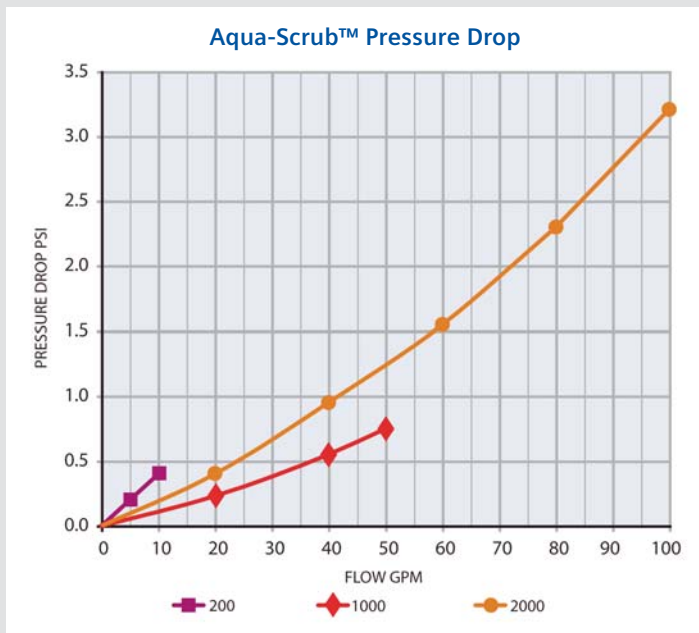
- 2"/3" sch 80 PVC piping and valves (optional carbon steel and stainless steel piping)
- Series or parallel operation
- Clean utility water connection for manual backflush
- Sampling ports and pressure gauges
- Flexible hoses with Kamlock fittings allow easy installation and removal during service exchange operations



## SPECIFICATIONS

	Aqua-Scrub™ 200	Aqua-Scrub™ 1000	Aqua-Scrub™ 2000
Dimensions, diameter x overall height	22" x 34"	48" x 56"	48" x 96"
Vessel Construction	Carbon Steel	Carbon Steel	Carbon Steel
Inlet/Outlet Connection	2" FNPT/2"MNPT	4" FNPT	4" FNPT
Manway	Top	18"	16"
Internal Piping	PVC	PVC	PVC
Interior Coating	Epoxy	Fusion Bonded Epoxy	Fusion Bonded Epoxy
Exterior Coating	Enamel	Epoxy/Urethane	Epoxy/Urethane
Carbon Bed Volume (cu.ft.)	6.8	34	68
Cross Section (sq.ft.)	2.6	12.3	12.3
Vessel Weight (lbs) Shipping (carbon) Operating (approx)	250 500	1890 4280	3190 7250
Flow, GPM (max.)	10	50	100
Pressure, psig (max.)	3	25	25
Temperature, °F (max) <sup>(4)</sup>	140°	140°	140°
Pounds of Carbon	200	1000	2000
Contact time @ max flow/min:	5.1	5.1	5.2
Backflush rates (GPM)	15	75	75

For detailed specifications or dimensional information or drawings, contact your local Siemens Water Technologies sales representative.



The information provided in this literature contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of the contract.

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Water Technologies**

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