

HP®2000SS Liquid Phase Adsorber

Applications

The HP®2000SS is a carbon adsorber designed for high pressure, high temperature, or corrosive liquid phase treatment applications where stainless steel materials of construction are required. Applications for the HP®2000SS include:

- Process purification – byproduct removal, decolorization
- Wastewater treatment
- Chemical spill cleanups
- Storage tank cleanouts

Installation, Startup and Operation

Siemens can provide a total service package that includes utilizing OSHA trained personnel providing on-site carbon changeouts, packaging and transportation of spent carbon for recycling at our reactivation facilities, where the organic contaminants are thermally destroyed.

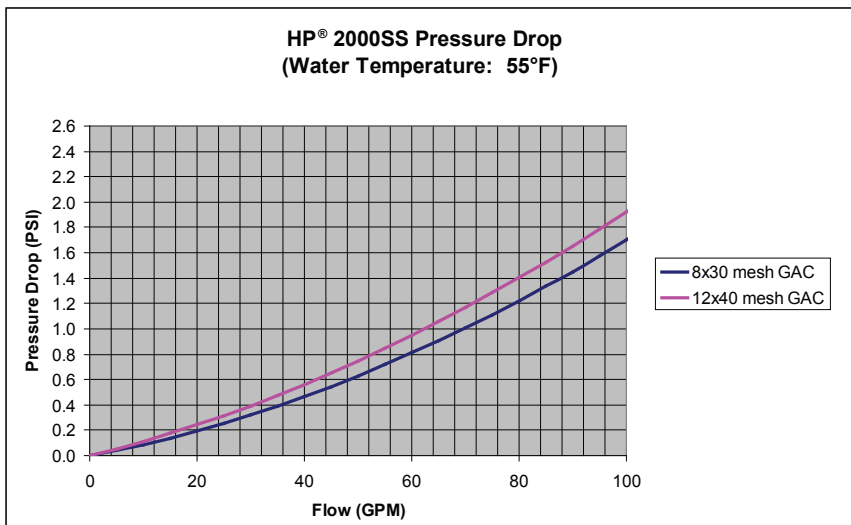
We provide instructions on sampling the spent carbon and completion of our spent carbon profile form. Spent carbon acceptance testing can be performed at our certified laboratory. When requested a certificate of reactivation will be issued.



Benefits and design features

- Ready to use adsorber, simple installation and operation
- ASME code section VIII (stamped) vessel
- 316SS construction
- Suitable for applications to 125 psig and 200° F
- Flanged process connections
- Rupture Disc for pressure relief
- 1" drain port and 3" media outlet port
- Top 14"x18" manway allows for easy internal inspection
- Fork channels and lifting lugs provided for movement/placement of unit on site
- Adsorber is UN/DOT approved transportation container for RCRA hazardous spent carbon

Specifications: HP® 2000SS	
Dimensions, diameter x overall height (approx.)	54" x 98"
Inlet connection	3" flanged
Outlet connection	3" flanged
Drain / sample connection	1" flanged
Vent connection	2" flanged with rupture disc
Media outlet	3" flanged
Top manway	14"x18" elliptical
Internal distributors	316SS
Carbon fill volume (cu. ft.)	68
Cross sectional area (sq. ft.)	15.9
Approximate carbon weight (lbs.)	2,000
Empty weight (lbs.)	1,500
System operating weight (lbs.)	7,300
Pressure, psig (max.)	125
Temperature, deg. F (max)	200
Maximum flow rate (gpm)	100
Contact time at max flow (minutes)	5



Warning

Safety Note: Wet activated carbon readily adsorbs atmospheric oxygen. Dangerously low oxygen levels may exist in closed vessels or poorly ventilated storage areas. Workers should follow all applicable state and federal safety guidelines for entering oxygen depleted areas.

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