

LC Series

Liquid Phase GAC Carbon Vessel



Features & Specifications

- All Welded Steel construction, ASTM SA-516 Gr. 70 sheet steel shell
- ASTM SA-516 Gr. 70 steel standard flanged & dished heads
- Tnemec series 20 pota-pox Polyamide epoxy lining certified per NSF std. 61 for potable water service
- Epoxy/urethane external finish for corrosion and UV resistance
- Fork tubes for easy lifting
- 3/4" Drain valve
- Sample/pressure taps above & below the bed
- (2) 12" x 16" elliptical access manways
- Inverted bottom head (on LC-020 & smaller) for less than 8' overall height to allow easy transport
- (2) 12" x 16" elliptical manways with full faced neoprene gasket and zinc plated hardware
- PVC hub and slotted lateral underdrain for distribution at high and low flow rates
- Optional air filter with polyester element sized for specific blower, housed in separator (polyester element standard)

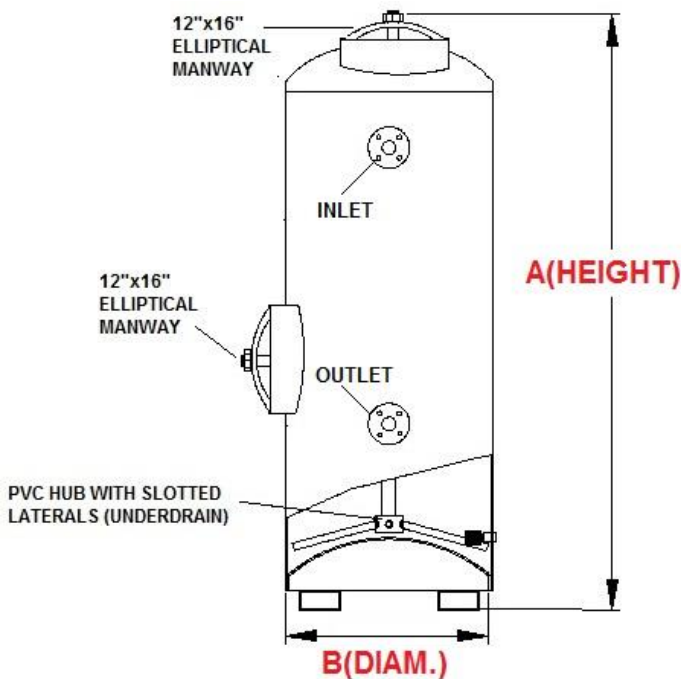
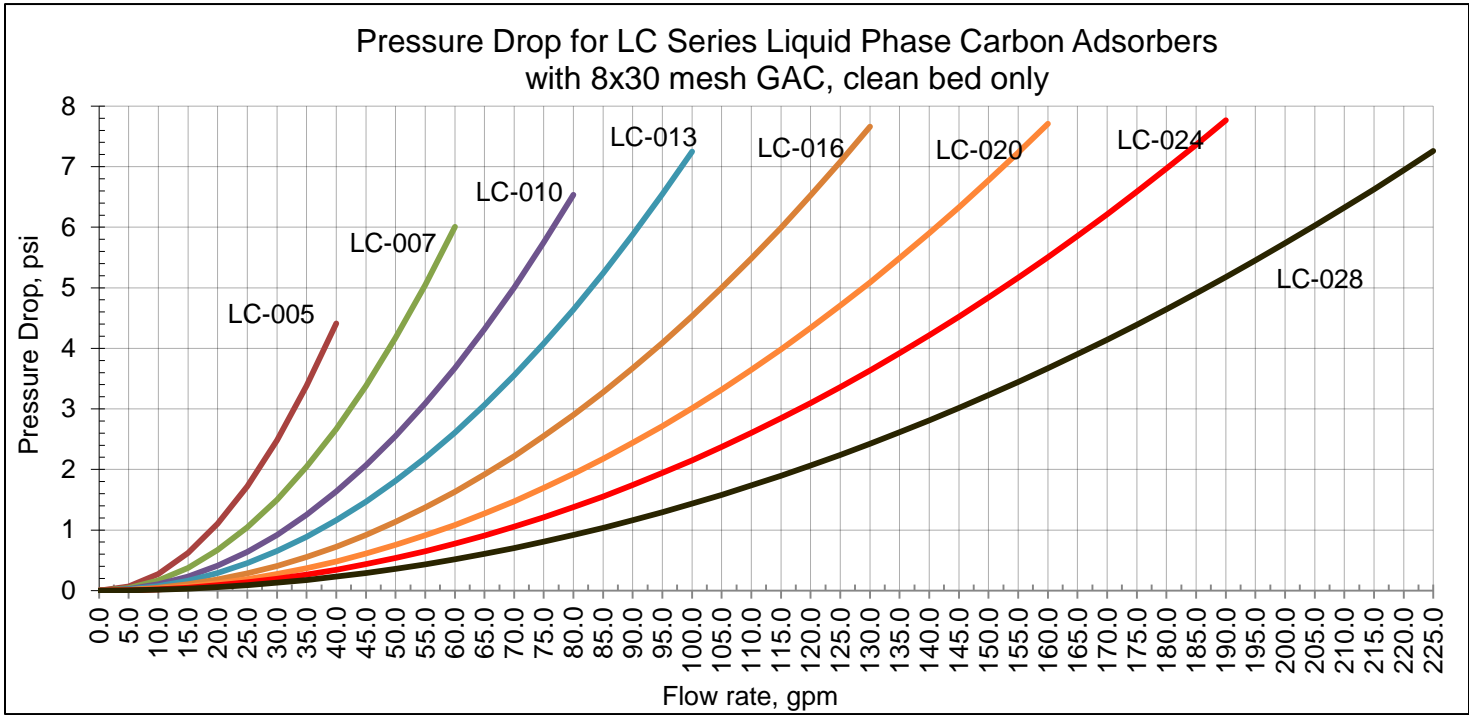


Applications

- Remediation industry
- Industrial waste water
- Removal of dissolved gasoline range organics (BTEX compounds), & other hydrocarbons from water (including MTBE)
- Removal of dissolved chlorinated organic compounds from water
- Removal of dissolved pesticides and other semi-volatile organic compounds from water
- Liquid phase granular activated carbon, virgin or reactivated
- Drinking water for dissolved organics
- Impregnated granular activated carbon
- Excavation dewatering
- Impregnated activated clays/zeolite

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Model Number	Inlet/Outlet Connection	Height In.	Diam In.	Rated Flow GPM	Carbon Capacity Lbs.	Empty Weight Lbs.	Loaded Weight Lbs.	Operating Weight Lbs.	Spent & Drained Weight Lbs.	Pressure Rating, PSI
LC-003	1" FPT (top I/O)	36½	24 ¼	10	200	65	205	425	355	10 psi
LC-005	2" 150 lb flng	84	30	40	500	680	1,200	2,380	1,380	90 psi
LC-007	2" 150 lb flng	84	36	57	1,000	880	1,880	3,680	2,280	90 psi
LC-010	4" 150 lb flng	84	40	78	1,250	1,030	2,280	4,980	2,780	90 psi
LC-013	4" 150 lb flng	84	48	101	1,500	1,280	2,780	6,280	3,380	90 psi
LC-016	4" 150 lb flng	84	54	125	1,750	1,480	3,280	7,580	3,880	90 psi
LC-020	4" 150 lb flng	86	60	157	2,500	1,650	4,150	9,650	5,150	75 psi
LC-024	4" 150 lb flng	86	66	192	3,750	2,950	6,550	15,850	9,575	75 psi
LC-028	4" 150 lb flng	126	72	226	5,000	4,000	9,000	24,000	14,000	75 psi



Options

- ASME designed & stamped
- Stainless steel internals, 316 or 304 ss
- Piping header for series lead/lag, parallel or standby operation of (2), (3), or more vessels
- Skid assemblies for single or multiple vessels
- Bed sampling ports
- Heat trace or immersion heaters for classified or non-classified electrical areas for freeze protection
- R-5 insulation with jacket, (steel or aluminum jacket)
- Vinyl ester interior lining for corrosive or high abrasion service
- Pressure relief assemblies, PRV or rupture disk
- FRP construction for corrosive environments
- Interior lining Holiday spark testing
- Flow, pressure, level & temperature gages or transmitters
- Flanged or NPT inlet and outlet connections or additional manways

Additional Photos

