

# **LCA Series**

## **ASME Standard Liquid GAC Vessel**



### **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

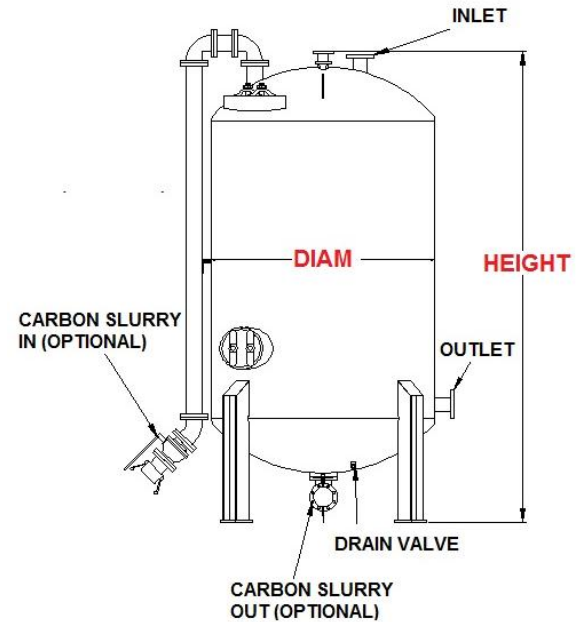
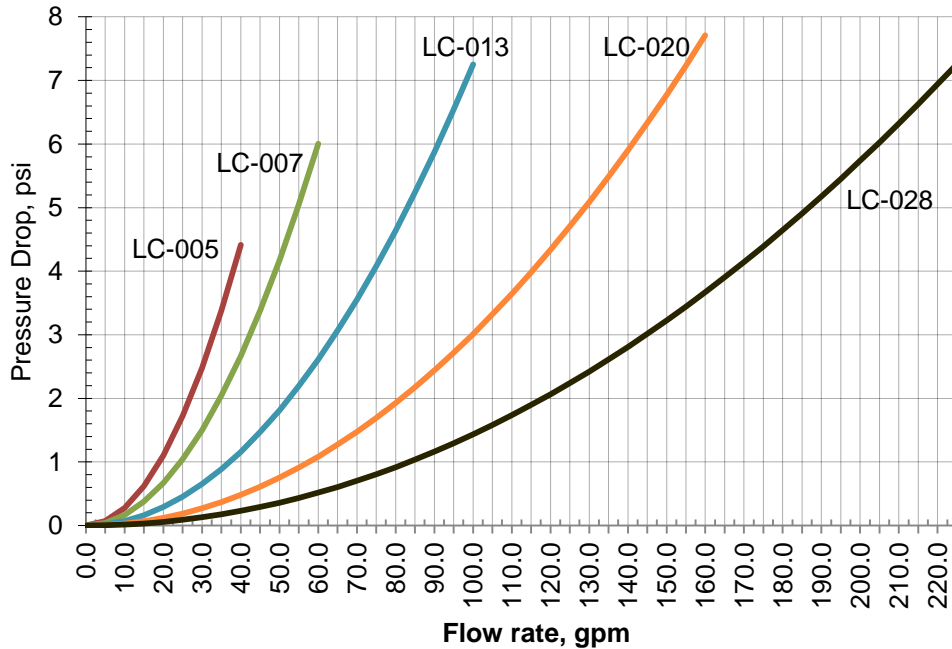
### **Features & Specifications**

- Carbon steel ASME Section VIII designed vessels (stamp optional)
- 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

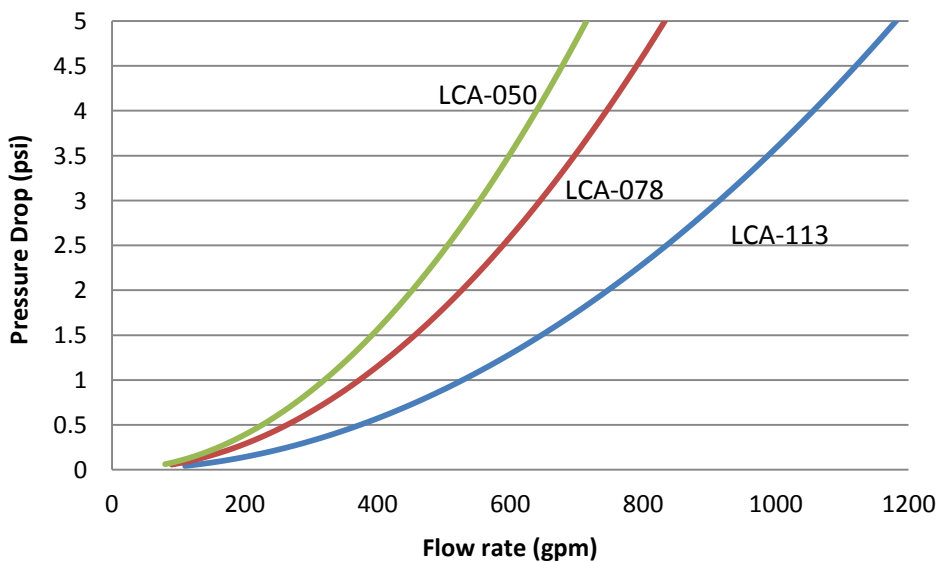
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| Model Number | Inlet/Outlet Connection | Height In. | Diam. In. | Rated Flow GPM | Carbon Capacity Lbs. | Empty Weight Lbs. | Loaded Weight Lbs. | Operating Weight Lbs. | Spent & Drained Weight Lbs. | Pressure Rating, PSI |
|--------------|-------------------------|------------|-----------|----------------|----------------------|-------------------|--------------------|-----------------------|-----------------------------|----------------------|
| LC-007       | 2" 150 lb flng          | 84         | 36        | 57             | 1,000                | 880               | 1,880              | 3,680                 | 2,280                       | 90 psi               |
| LC-013       | 2" 150 lb flng          | 84         | 48        | 101            | 1,500                | 1,280             | 2,780              | 6,280                 | 3,380                       | 90 psi               |
| LC-020       | 3" 150 lb flng          | 86         | 60        | 157            | 2,500                | 1,650             | 4,150              | 9,650                 | 5,150                       | 75 psi               |
| LC-028       | 4" 150 lb flng          | 126        | 72        | 226            | 5,000                | 4,000             | 9,000              | 24,000                | 14,000                      | 75 psi               |
| LC-050       | 6" 150 lb flng          | 148        | 96        | 400            | 10,000               | 8,100             | 18,100             | 36,500                | 28,100                      | 75 psi               |
| LC-078       | 6" 150 lb flng          | 190        | 120       | 628            | 20,000               | 10,900            | 30,000             | 67,900                | 50,900                      | 75 psi               |
| LC-113       | 8" 150 lb flng          | 216        | 144       | 900            | 30,000               | 16,700            | 44,700             | 101,200               | 72,500                      | 75 psi               |

Pressure Drop for ASME Std. Liquid GAC Vessels



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## 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
- Interior lining Holiday spark testing
- Flow, pressure, level & temperature gages or transmitters
- Flanged or NPT inlet and outlet connections or additional manways

