

LIQUID PHASE CARBON STEEL VESSELS LPC SERIES

Application:

newterra Liquid Phase Carbon Vessels are media filter vessels designed to treat liquid streams. While the typical design application is an activated carbon absorption unit, the filter can easily accommodate many types of media. Some applications include:

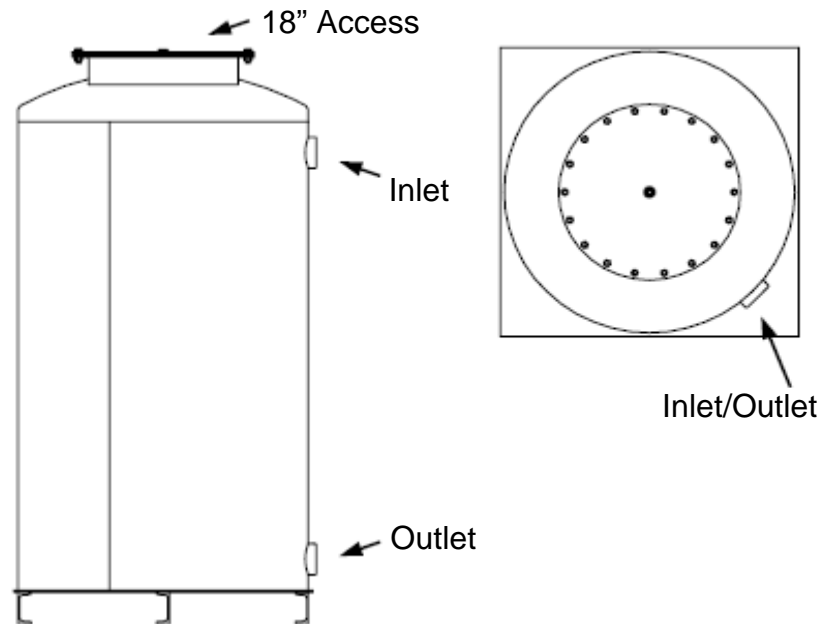
- Dissolved Organic Removal (Activated Carbon)
- Suspended Solids Removal (Sand Filter)
- Dissolved Minerals (Softener Resin)
- Oil and Grease Removal (Organo-Clays)
- Dissolved and Precipitated Metals Removal
- Special Organics (Resin/Carbon Blend)
- Catalytic Reactor (Chlorine and Peroxide Removal)
- Bio-Remediation Contactor Unit

Construction:

All LPC vessels are made using SA-36 Carbon Steel with corrosion resistant SCH 40 PVC internals.

Standard Features:

- Corrosion resistant SCH 40 PVC internal piping
- Epoxy-coated interior for corrosion resistance.
- Designed to maximum operating conditions of 40 psig and 140°F



*LPC500 depicted, vessel arrangement is dependent on size.
*LPC250 has 8" flanged access, and optional fork tubes.

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Dimension and Specification Chart:

Model Number	LPC250	LPC500	LPC1000	LPC2000	LPC3000
Overall Height	4'1"	5'2"	6'2"	7'4"	7'8"
Diameter	24"	30"	36"	48"	60"
Inlet / Outlet (FNPT)	2" / 2"	2" / 2"	2" / 2"	3" / 3"	3" / 3"
Drain / Vent (FNPT)	OPT / ¼"	OPT / ¼"	OPT / ¼"	OPT / ¼"	OPT / ¼"
GAC Fill	250 lb	500 lb	1000 lb	2000 lb	3000 lb
Shipping Weight	415 lb	875 lb	1500 lb	2925 lb	4375 lb
Operational Weight	850 lb	1765 lb	3100 lb	6400 lb	9875 lb
Internal Coating	Polyamide Epoxy Resin	Polyamide Epoxy Resin	Polyamide Epoxy Resin	Polyamide Epoxy Resin	Polyamide Epoxy Resin
Cross Sectional Bed Area	3.1 ft ²	4.9 ft ²	7 ft ²	12.5 ft ²	19.5 ft ²
Bed Depth	2.8 ft	3.4 ft	5 ft	5.5 ft	5.5 ft
Bed Volume	8.7 ft ³	16.7 ft ³	33 ft ³	68.7 ft ³	107 ft ³



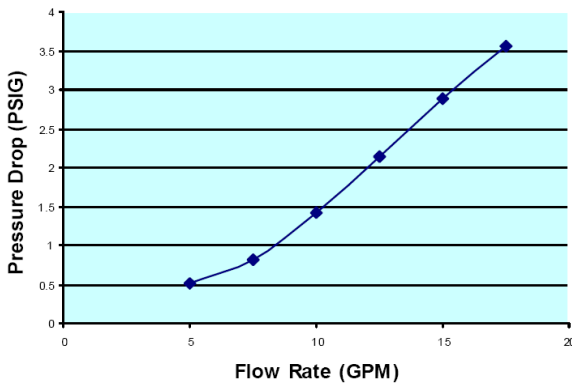
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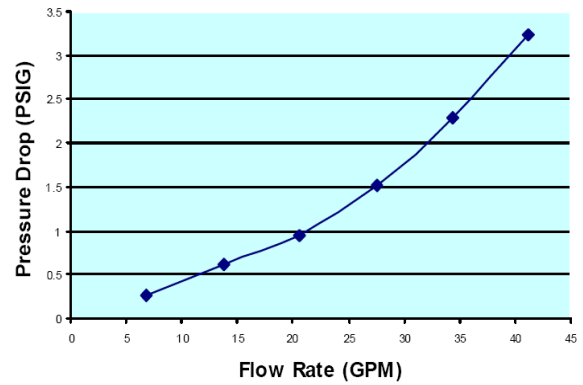
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Pressure Drop Graphs (As Filled - 8*30 GAC)

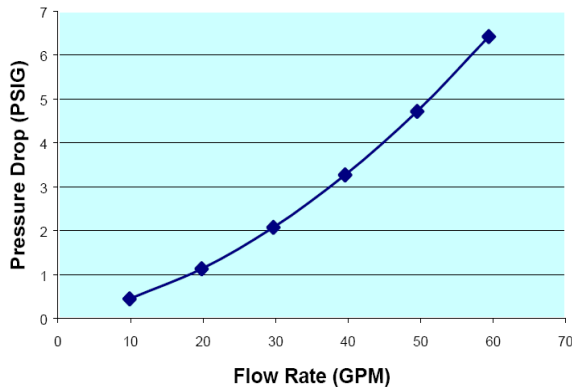
LPC250



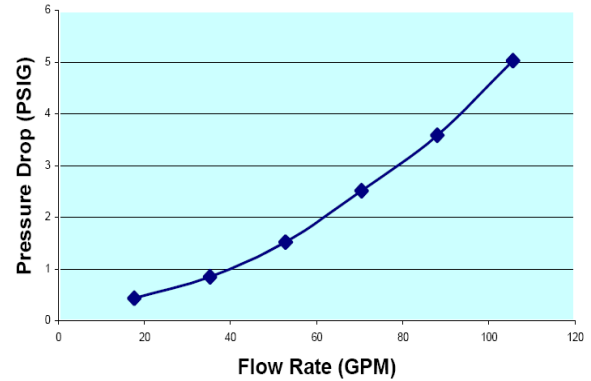
LPC500



LPC1000



LPC2000



LPC3000

