Portable Exchange Carbon (U.S.)

Activated Carbon Tanks

Portable Exchange Carbon is an economical and efficient process for removing chlorine, chloramines and dissolved organic contaminants from incoming water supplies. Our portable exchange tanks contain virgin carbon to assure maximum water quality and service life.

These portable exchange tanks provide greater flexibility then permanent systems by delivering treated water where you need it. This approach provides consistent water quality when resources and budgets are limited. Excellent for low flow rates, limited water quantities, or just temporary requirements. Your involvement is minimal because our local service technicians handle the removal and replacement, keeping you with a constant supply of treated water.

Cantel Life Sciences is committed to quality control. From materials, to methods, to documentation, all of our processes produce consistent and compliant products each and every time assuring the highest quality water and performance from each filled carbon tank. All of out SDI systems are prepared in FDA registered facilities in accordance with QSR/GMP (Quality System Regulations/Good Manufacturing Practices) requirements.

Tank Specifications

- Construction ..... Fiberglass
- Head ..... PVC
- Internals ..... PVC
- Fittings ..... See Chart
- Standard Media ..... Acid Washed Carbon

12x40 mesh, Iodine #≥950

Operating Parameters

- Max. Operating Pressure & Temperature
  0.25 - 3.6 ft^3 ..... 90 psi/100°F
- Turbidity ..... 5 NTU
- Color ..... 5 units
- Organics ..... 3 ppm
- Manganese and Iron ..... 0.3 ppm

Typical Applications

- General Industry
- Hemodialysis and Life Sciences
- Laboratory and Research
- Microelectronics
- Rinsing
- Pharmaceutical/Biotech

Technical Data

Portable Exchange Carbon Specifications					
Model Number	Max. Flow Rate USGPM (LPM)	Carbon Volume (ft^3)	Inlet / Outlet Ports	Dimensions W x H (Inch)	Weight (Wet) Lbs. (kg)
6 x 18C	2.0 (7.6)	0.25	SIDE 3/4" MGHT	7 x 20	25 (11.3)
8 x 18C	2.0 (7.6)	0.44	SIDE 3/4" MGHT	9 x 20	32 (14.5)
6 x 35C	2.5 (9.5)	0.50	SIDE 3/4" MGHT	7 x 37	47 (21.3)
8 x 35C	2.5 (9.5)	0.85	SIDE 3/4" MGHT	9 x 37	78 (35.4)
8 x 44C	4.0 (15.1)	1.20	SIDE 3/4" MGHT	9 x 46	135 (61.3)
12 x 36C	7.0 (26.5)	2.20	TOP 3/4" MGHT	13 x 38	198 (89.9)
14 x 47C	10.0 (37.9)	3.60	TOP 1" QD	15 x 52	305 (138.5)

Note: All weights and dimensions are approximate. Higher flow rates can be obtained with parallel configurations. Jumbo tanks are available upon request.
Note: Certain older style tanks may hold slightly higher volumes of carbon, fitting parts my vary at location.

Accessories Available

- Pre and post filters
- Sample ports
- Pressure regulators
- Water meters
- Pressure gauges
- Ultraviolet lights

Installation Considerations

- System operates on tap pressure, within a pressure range of 25-60 psi and a maximum pressure of 90 psi.
- The system must be installed on a firm, level surface.
- A floor drain is recommended.
- Accessories may require electrical connections.

Service Policy

Cantel Life Sciences offers carbon exchange services. This service is conducted at Cantel Life Sciences owned and operated facilities in Philadelphia, Atlanta, Boston, Los Angeles, San Antonio, Chicago, Durham and Jackson. Our facilities only handle carbon that has a 12x40 mesh size with an iodine number of at least 900 (per AAMI & CMS standards). The carbon is acid-washed, virgin; GAC made from select bituminous coal. Cantel Life Sciences does not reuse carbon at any time during its processes. All tanks are considered rental and will remain the property of Cantel Life Sciences unless structured otherwise. Tank replacement frequency is every 6 months or sooner. We offer 24/7 service from any of our U.S. service centers.

Hemodialysis

In dialysis applications tank replacement frequency is every 3 - 6 months. Cantel Life Sciences recommends that 2 carbon tanks sized for 5 minutes of Empty Bed Contact Time each are used and that daily samples are taken from a testport located in between the two tanks. EBCT = (VGAC x 7.48)/flow rate in GPM.

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Visit www.mcpur.com for more information or call 1-800-633-3080