



Shown here are a few of our tank models from left to right: 8x44C, 6x18C and 14x47C. Each tank features quick connect fittings for easy installation, service and exchange.

**Service Carbon** is an economical and efficient process for removing chlorine, chloramines and dissolved organic contaminants from incoming water supplies. Our portable exchange units contain virgin carbon to assure maximum water quality and service life of the bed. No reactivated carbon is ever used in Mar Cor Purification's service carbon units.

**Quality Control** of the entire process ensures optimal performance of our Service Carbon units, including media selection, product inspection, documented process controls, and tank traceability. Only carbon media of the highest quality is used so that water quality will not be compromised.

**Customized Systems** allow for greater flexibility in order to achieve the necessary product water quality. We offer flexibility using Service Carbon in combination with Service Deionization (SDI) systems and provide a wide variety of replacement parts; filter cartridges, membranes, and other accessories. We also offer maintenance service contracts.

**Operating Parameters**

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

**Tank Specifications**

Construction .....Fiberglass  
 Head .....PVC  
 Internals .....PVC  
 Fittings .....See Chart  
 Media .....Acid Washed Carbon,  
 12x40 mesh, Iodine #1000

**Typical Applications**

- General Industry
- Hemodialysis
- Laboratory
- Microelectronics
- Rinsing
- Pharmaceutical / Biotech

## Service Carbon Exchange Specifications

Model Number	Max. Flow Rate USgpm (lpm)	Carbon Volume (ft <sup>3</sup> )	Inlet / Outlet Ports (in)	Dimensions W x H (in)	Weight (Wet) lbs. (kg)
6x18C	2.0 (7.6)	0.25	SIDE 3/4 MGHT	7 x 20	25 (11.3)
8x18C	2.0 (7.6)	0.5	SIDE 3/4 MGHT	9 x 20	32 (14.5)
6x35C	2.5 (9.5)	0.5	SIDE 3/4 MGHT	7 x 37	73 (33.1)
8x44C	4.0 (15.1)	1.25	SIDE 3/4 MGHT	9 x 46	135 (61.3)
12x36C	7.0 (26.5)	2.2	TOP 3/4 MGHT	13 x 38	198 (89.9)
14x47C	10.0 (37.9)	3.6	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.

### 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

Mar Cor Purification offers carbon exchange services. This service is conducted at Mar Cor Purification owned and operated facilities in Philadelphia, Atlanta, and Chicago. Our facilities only handle carbon that has a 12x40 mesh size with an iodine number of at least 1000. The carbon is acid-washed, virgin; GAC made from select bituminous coal. Mar Cor Purification does not reuse carbon at any time during its processes. All tanks are considered rental and will remain the property of Mar Cor Purification unless structured otherwise. Rental periods consist of 3, 6 and/or 12 months. We offer 24/7 service in all our US service centers.

### Hemodialysis

For dialysis Mar Cor always suggest that 2 carbons sized for 5 minutes of EBCT each are used and that daily samples are taken from a sample valve located in between the 2 tanks.  $EBCT = VGAC \times 7.48 / \text{flow rate in USGPM}$ .

### For More Information

Contact one of our application specialists in the US at (800) 346-0365, or visit [www.mcpur.com](http://www.mcpur.com)



**Mar Cor Purification USA** - 4450 Township Line Rd.  
Skipack, PA 19474-1429 Tel: (484) 991-0220  
Toll Free: (800) 346-0365 Fax: (484) 991-0230

**Mar Cor Purification CAN** - 3250 Unit 6 Harvester Rd.  
Burlington, ON L7N 3W9 Tel: (905) 639-7025  
Toll Free: (800) 268-5035 Fax: (905)-639-0425