

Service Carbon - Canada

Activated Carbon Tanks

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

Recommended Maximum Operating Pressure & Temperature

0.25 -3.6 ft ³	60 psi / 38°C
Turbidity	5 NTU
Colour	5 units
Organics	3 ppm
Manganese and Iron	0.3 ppm

Tank Specifications

Construction	Fiberglass
Head	Polyethylene
Internals	Polyethylene/PVC
Fittings	Quick Connect
Media	Acid Washed Carbon, 12x40 mesh, Iodine #1000



Shown here, our standard tank models from left to right: 420CR, 520CR, 360CR and 300CR. Each tank features quick connect fittings for easy installation, service and exchange.

Typical Applications

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

Accessories Available

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

Technical Data

Product Specifications				
Service Exchange Carbon Tanks Specifications				
Model Number	Max. Flow Rate USgpm (lpm)	Carbon Volume (ft ³)	Dimensions W x H (in)	Weight (Wet) lbs. (kg)
350CRF	0.75 (2.8)	0.2	6 x 20	18 (8.2)
350CR	2 (7.6)	0.2	6 x 23	23 (10.4)
360CRF	0.75 (2.8)	0.4	6 x 37	31 (14.1)
360CR	3 (11.4)	0.4	6 x 39	36 (16.3)
300CRF	0.75 (2.8)	1	8 x 46	66 (29.9)
300CR	5 (18.9)	1	8 x 48	71 (32.2)
420CR	10 (37.9)	2	12 x 46	123 (55.8)
520CR	15 (56.8)	3	14 x 50	202 (91.6)

Note: All weights and dimensions are approximate. Higher flow rates can be obtained with parallel configurations. The F digit in our model numbers refers to a flat top design required for some unique applications.

Media Information and Options

- Carbon can be offered in several different options.
- Please contact Mar Cor Purification for more information on alternate media.
- Activated Carbon - 12x40 mesh
- Catalytic Carbon

Installation Considerations

- System operates on tap pressure, with a pressure change of 20-60 psi.
- Higher feed pressures must be reduced with both a pressure regulating valve and a pressure relief mechanism.
- The system must be installed on a firm, level surface.
- A floor drain is recommended.
- Accessories may require electrical connections

No User Maintenance

Mar Cor Purification assumes responsibility for the timely exchange of exhausted carbon tanks. Specially designed flexible hoses with quick connect fittings ensure minimum downtime. Service locations in Toronto and Montreal are available to provide 24/7 response service.

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 Canada at (800) 268-5035, or visit www.mcpur.com.



Mar Cor Purification
4450 Township Line Road
Skippack, PA 19474-1429
Tel: (484) 991-0220
Toll Free: (800) 346-0365
Fax: (484) 991-0230

Mar Cor Purification
85 Avenue Lindsay
Dorval, Quebec H9P 2S6
Tel: (514) 636-0032
Toll Free: (800) 268-0032
Fax: (514) 636-8429

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