



## CATALYTIC CARBON

Refillable inserts w/ Iron (10%) Feroxyhyte (FeOOH) coated granular activated carbon

### Item #

- SXP-1048: 10" slim line Catalytic carbon refill
- SXP-2048: 20" slim line Catalytic carbon refill
- SXP-1048BB: 10" big blue Catalytic carbon refill
- SXP-2048BB: 20" big blue Catalytic carbon refill

### Overview

Most catalytic carbon are produced through steam or heat to increase surface area. Our carbon is processed with an iron-oxide coating inside and outside of the micro-pores thus creating the largest surface area for adsorption, which is almost twice the surface area for adsorption of similar catalytic carbons.

### Benefits

Highly effective in the removal of:

- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. Suspended solids (<math>\leq 5</math> micron)</li> <li>2. Humic substances (organics)</li> <li>3. Tannins and Lignin</li> <li>4. Hydrogen sulfide</li> </ol> | <ol style="list-style-type: none"> <li>5. Bad taste, odors and color</li> <li>6. Chlorine, Chlorine By-Products &amp; Chloramines</li> <li>7. Trihalomethanes (THMs)</li> <li>8. Phenols and p-nitro phenol</li> <li>9. All kind of dyes</li> </ol> |
|--|---|

1	Catalytic activation	Iron coated (10%)
2	Moisture content	5% (max)
3	Surface area (BET)	2000 m <sup>2</sup> /g
4	Apparent density	635 kg/m <sup>3</sup>
5	Iodine #	2000 m <sup>2</sup> /g

1. Process of carbon to make catalytic
2. The higher the moisture content the less adsorption of the carbon. Ideal carbon typically has less than 5% moisture content.
3. Measures the pore size and volume. The greater the number the higher the level of adsorption. (SEE DEFINITION BELOW)
4. Measures the weight of a fixed volume of carbon. Higher apparent density provides greater volume activity; indicates a better-quality.
5. Measures the surface area of the carbon granule. The higher the number the greater the level of adsorption.

### Installation and Operational tips

Install vertically so bowls hang down

Allow 2-1/2" clearance below the cartridge for easy cartridge replacement

Make sure O-ring on bowl is sufficiently lubricated

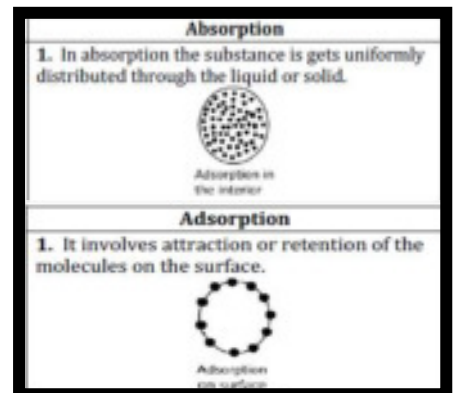
After installation, follow label instructions for flushing the carbon prior to use

Installation of a sediment filter is recommended in front on the filter. 0.5-micron sediment filter for ice machines and espresso equipment. 1 – 5-micron sediment filter (based on water quality) for other kitchen equipment

When flow becomes too slow or restricted, first try replacing sediment filter

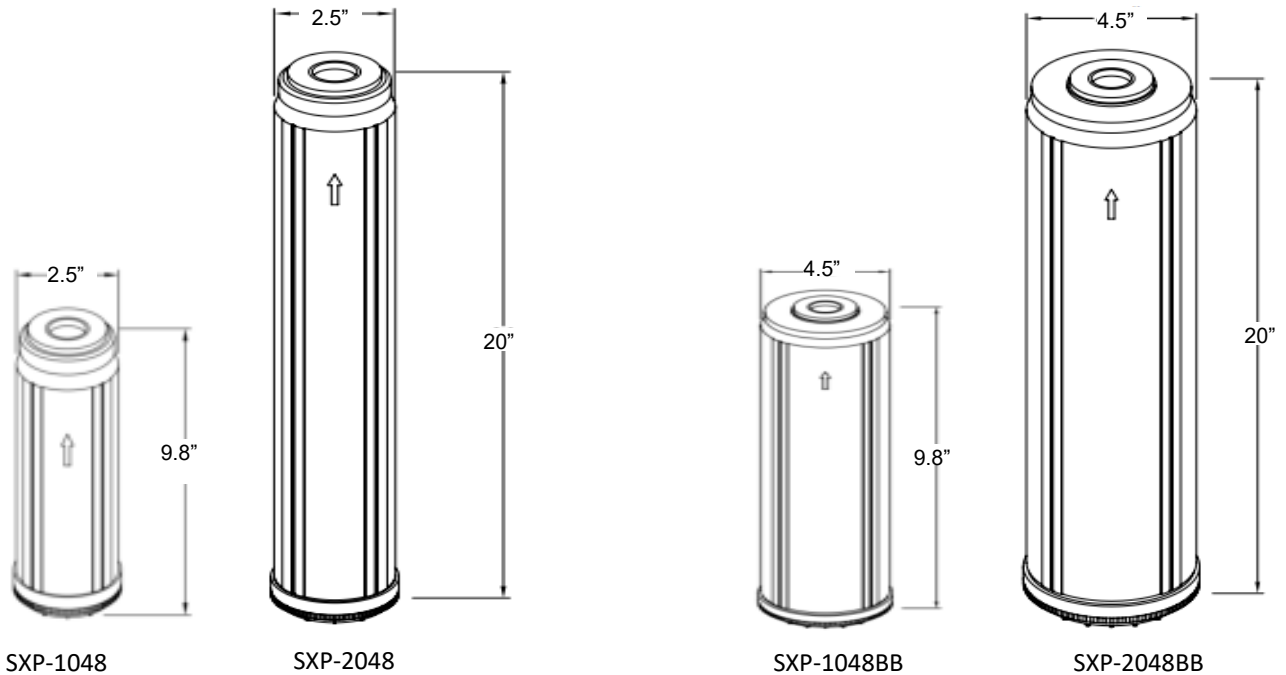
If carbon test shows no traces of Chlorine and flow becomes too slow or restricted, try replacing sediment filter.

**Carbon should ALWAYS be changed annually even if no traces of Chlorine appear in testing to avoid cross contamination from bacteria growth.**



# Performance

Item #	Item Description	* Chlorine capacity		* Chloramines capacity	
		GPM	Gallons	GPM	Gallons
SXP-1048	10" slim line Catalytic carbon refill	2.0	25,000	1.0	4,000
SXP-2048	20" slim line Catalytic carbon refill	3.0	40,000	2.0	8,000
SXP-1048BB	10" big blue Catalytic carbon refill	4.0	60,000	3.0	10,000
SXP-2048BB	20" big blue Catalytic carbon refill	5.0	80,000	4.0	20,000



Inserts fit most standard 10" and 20" slim line and big blue housings

## Specifications

Minimum Operating Temperature:	40° F / 4° C
Maximum Inlet Temperature:	100° F / 37.8° C
Minimum Operating Pressure:	20 psig / 1.38 bar
Maximum Operating Pressure:	80 psid / 5.52 bar

This product is for commercial use only and must be installed and maintained according to manufacturer's guidelines.  
Do not use on water that is microbiologically unsafe or of unknown his quality without adequate disinfection before or after the system

## Limited Liability

Replacement filter cartridges are warranted for defects in material and workmanship only. Service life of replacement filter cartridges varies significantly with local water conditions and volume and thus cannot be warranted. Furthermore, if used with a membrane, separation of membranes are equally susceptible to feedwater conditions (e.g. presence of iron, alum and silica) and shall be warranted only for defects in construction. Failure due to fouling, hydrolysis, oxidation or other damage caused by the local water conditions is not covered under warranty.

## Shipping details

Item #	Item Description	Case count	Weight (lbs.)	Length (inches)	Width (inches)	Height (inches)
SXP-1048	10" Slim line Catalytic carbon refill	20	32	10	12	22
SXP-1048BB	10" Big blue Catalytic carbon refill	6	32	10	12	22
SXP-2048	20" Slim line Catalytic carbon refill	9	32	10	12	22
SXP-2048BB	20" Big blue Catalytic carbon refill	6	32	10	12	22



The filter cartridge is tested and certified by WQA against NSF/ANSI Standard 42 for material safety requirements only.

**SCALEXPRO**  
WATER

Gilbert, AZ 85298  
(480) 530-7151 ext. 1  
[www.Scalexpro.com](http://www.Scalexpro.com)

WARNING:  
Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).