

# SPECIFICATIONS:

## BACKWASHING FILTER SPECIFICATIONS

MODEL NUMBER	109455	109456	109477	109463	109854
Mineral cu. ft.	CATALYTIC CARBON 1.5	CATALYTIC CARBON 2.0	CARBON 1.5	CARBON 2.0	BIRM 2.0
Gravel Amount Type	14 LB 1/4 x 1/8 7 LB. #20	21 LB 1/4 x 1/8 7 LB. #20	14 LB 1/4 x 1/8 7 LB. #20	21 LB 1/4 x 1/8 7 LB. #20	21 LB 1/4 x 1/8 7 LB. #20
Cont. Flow Peak Flow	5.0 20.0	7.0 22.0	5.0 20.0	6.0 22.0	7.0 19.0
Backwash Flow GPM	5.3	9.0	5.3	9.0	10.0
Total Dimensions	10"W x 62"H	13"W x 62"H	10"W x 62"H	13"W x 62"H	13"W x 62"H
Shipping Weight	90 lbs	145 lbs	90 lbs	145 lbs	145 lbs

### Notes:

- Quality of water may vary depending on flow rate and water conditions
- The pH of the influent water must be above 7.0
- Backwash rates may change depending on water temperature
- On waters that are prechlorinated, birm is not recommended
- 109454 units not tested at peak flow for iron or sulfur removal

## CYCLE TIMES AND WATER USAGE

MODEL	109455 109477		109456 109463 109854	
	MIN.	GAL.	MIN.	GAL.
Backwash Air*	4	16	4	27
Backwash	10	50	10	100
Brine & Rinse	60	25	60	50
Total	70	75	70	150

\*Used only on 109854.

## DUAL CX FILTER/SOFTENER SPECIFICATIONS

MODEL	109457	109458	
Capacity: (Grains/Lbs. NaCl)	32,000 @ 15.0 28,400 @ 9.0 23,600 @ 6.0	48,800 @ 21.0 44,400 @ 15.0 35,400 @ 9.0	
Amount of Resin Media (Cu. Ft.)	1.0	1.5	
Amount of Carbon Media (Cu. Ft.)	.5	1.0	
Maximum Water Hardness (GPG)	75	100	
<sup>2</sup> Maximum Iron (PPM)	1.0	1.0	
<sup>3</sup> Minimum pH Required	7.0	7.0	
Peak Flow Rate (GPM @ P-PSI)	15.6 @ 15.0	20.4 @ 15.0	
Continuous Flow Rate (GPM @ P-PSI)	9.7 @ 7.5	13.2 @ 7.5	
Water Pressure Range (PSI)	25-100	25-100	
Water Temp. (°F)	33-100	33-100	
Electrical Requirements (volts-hertz)	110-50/60	110-50/60	
Pipe Size	1"	1"	
Total Dimensions:	Media Tank & Valve Brine Tank	10"W x 62"H 18"W x 33"H	13"W x 62"H 18"W x 40"H

<sup>1</sup> All water conditioners are pre-factory set at medium salting.

<sup>2</sup> Iron removal may vary depending on form of iron, pH and other local conditions. On waters that are pre-chlorinated or where other pre-oxidation occurs, an iron precipitate can form that is too small to be filtered.

<sup>3</sup> The pH listed is the minimum for the influent water.

<sup>4</sup> Unit not tested for capacity at these flow rates. Water quality may vary.

## CYCLE TIMES AND WATER USAGE

MODEL	109457		109458	
	MIN.	GAL.	MIN.	GAL.
Brine Refill	6	3	10	5
Softening (Pause)	240	0	240	0

The above sequences take place prior to regeneration; therefore, minutes are not included in totals.

Backwash	8	42	8	60
Brine & Rinse	60	24	90	36
Rapid Rinse	4	21	4	30
Total	72	90	102	131

