



CSI Commercial Water Filters can be the answer for solving many of your common water quality problems; sediment, iron, turbidity, acidity, odors, bad tastes and color can be alleviated using CSI's high quality and proven filter media. Typical installations include schools, churches, hospitals, restaurants, nursing homes, municipal systems, car washes, farms, factories and large homes / estates.

Media	Application	Comments
Birm	Iron (Up to 5 PPM)	The raw water must be free of sulfur, organics and bacteria. The pH must be at least 6.8 and the dissolved oxygen must be equal to at least 15% of the iron content.
Carbon	Chlorine, VOC, Taste, Odor and Color	Periodic replacement of carbon will be required. Carbon life is dependent upon influent water quality and usage. (Normally 1-2 years for most city waters)
Filter-Ag	Turbidity, Dirt, etc. (Up to 125 PPM)	Removes suspended solids down to the 20 to 40 micron range.
Neutralizer	Acidic Water (Down to 5.8 pH)	Periodic replenishing of media will be required. (Normally every 6-12 months, depending on pH and water usage)
ChemSorb	Turbidity, Dirt, etc.	Removes suspended solids down to the 5 micron range. Preferred media for surface water applications.

- Units bypass raw water during backwash. Optional non-bypass (for multiple unit installations only) is available at extra cost.
- All standard units are intended for use on a pressurized water system, where they are under at least 25 PSI at **all times**. Backwash is performed with raw water.
- Optional clean water backwash packages are available at extra cost. They are intended for installations where treatment **prior** to an atmospheric tank (cistern) is desired. These packages include the non-bypass feature and are for multiple unit installations **only**. A constantly pressurized (25 psi minimum) clean water line for backwash must be connected to the control valves.



# Commercial Water Filter Specifications

COMMERCIAL

Filter Type	Model No.	GPM Flow Rates Service (at PSI Loss)			Pipe Size NPT		Media cu. ft.	Tank Size Dia. x Ht.	Overall Height	Shipping Wt. Lbs.	
		Continuous	Intermittent	Backwash	Service	Drain					
Iron (Birm)	CWF40B-10	7 (-2)	10 (-4)	15	1"	3/4"	4	16" x 65"	74"	318	
	CWF40B-15	7 (-2)	10 (-2)		1 1/2"	1"				328	
	CWF50B-10	9 (-4)	12 (-6)	17	1"	3/4"	5	18" x 65"	75"	435	
	CWF50B-15	9 (-2)	12 (-2)		1 1/2"	1"				445	
	CWF70B-10	12 (-6)	17 (-11)	25	1"	3/4"	7	21" x 62"	75"	530	
	CWF70B-15	12 (-2)	17 (-3)		1 1/2"	1"				540	
	CWF100B-15	16 (-3)	22 (-5)	30	1 1/2"	1"	10	24" x 72"	82"	747	
	CWF140B-20	25 (-2)	34 (-4)	50	2"	2"	14	30" x 72"	98"	1,249	
CWF180B-20	35 (-3)	49 (-7)	70	2"	2"	18	36" x 72"	98"	1,831		
CWF240B-20	48 (-5)	67 (-10)	100	2"	2"	224	42" x 72"	105"	2,725		
Taste & Odor (Granular Activated Carbon)	<b>De-Chlorination Organic Removal</b>										
	CWF40C-10	14 (-8)	7 (-2)	--	12	1"	3/4"	4	16" x 65"	74"	242
	CWF40C-15	14 (-3)	7 (-2)			1"					252
	CWF50C-10	18 (-13)	9 (-4)	--	15	1"	3/4"	5	18" x 65"	75"	330
	CWF50C-15	18 (-4)	9 (-2)			1 1/2"	1"				340
	CWF70C-10	20 (-15)	12 (-6)	--	20	1"	3/4"	7	21" X 62"	75"	397
	CWF70C-15	24 (-7)	12 (-2)			1 1/2"	1"				407
	CWF100C-15	31 (-9)	16 (-3)	-	25	1 1/2"	1"	10	24" x 72"	82"	557
	CWF140C-20	50 (-7)	25 (-2)	-	40	2"	2"	14	30" x 72"	98"	955
	CWF180C-20	70 (-12)	35 (-3)	-	60	2"	2"	18	36" x 72"	98"	1,453
CWF240C-20	84 (-15)	48 (-5)	-	80	2"	2"	24	42" x 72"	105"	2,221	
Sediment (Filter Ag)	CWF40F-10	7 (-2)	11 (-5)	12	1"	3/4"	4	16" x 65"	74"	242	
	CWF40F-15				1 1/2"	1"				252	
	CWF50F-10	9 (-4)	15 (-9)	15	1"	3/4"	5	18" x 65"	75"	330	
	CWF50F-15	9 (-2)	15 (-3)			1 1/2"	1"			340	
	CWF70F-10	12 (-6)	20 (-15)	20	1"	3/4"	7	21" x 62"	75"	397	
	CWF70F-15	12 (-2)	20 (-4)			1 1/2"	1"			407	
	CWF100F-15	16 (-3)	25 (-6)	25	1 1/2"	1"	10	24" x 72"	82"	557	
	CWF140F-20	25 (-2)	39 (-5)	40	2"	2"	14	30" x 72"	98"	955	
CWF180F-20	35 (-3)	56 (-8)	60	2"	2"	18	36" x 72"	98"	1,453		
CWF240F-20	48 (-5)	77 (-13)	80	2"	2"	24	42" x 72"	105"	2,221		
Neutralizer (Calcite)	CWF40N-10	7 (-2)	11 (-5)	15	1"	3/4"	4	16" x 65"	74"	510	
	CWF40N-15	7 (-2)	11 (-2)		1 1/2"	1"				520	
	CWF50N-10	9 (-4)	15 (-9)	17	1"	3/4"	5	18" x 65"	75"	640	
	CWF50N-15	9 (-2)	15 (-3)		1 1/2"	1"				650	
	CWF70N-10	12 (-6)	20 (-15)	25	1"	3/4"	7	21" x 65"	75"	866	
	CWF70N-15	12 (-2)	20 (-4)		1 1/2"	1"				876	
	CWF100N-15	16 (-3)	25 (-6)	30	1 1/2"	1"	10	24" x 72"	82"	1,227	
	CWF140N-20	25 (-2)	39 (-5)	50	2"	2"	14	30" x 72"	98"	1,823	
CWF180N-20	35 (-3)	56 (-8)	70	2"	2"	18	36" x 72"	98"	2,569		
CWF240N-20	48 (-5)	77 (-13)	100	2"	2"	24	42" x 72"	105"	3,709		
Chemisorb	CWF40CS-10	11 (-4)	16 (-9)	15	1"	3/4"	4	16" x 65"	74"	378	
	CWF40CS-15	11 (-2)	16 (-3)		1"					388	
	CWF50CS-10	14 (-6)	21 (-14)	20	1"	3/4"	5	18" x 65"	75"	510	
	CWF50CS-15	14 (-2)	21 (-5)		1 1/2"	1"				520	
	CWF70CS-15	19 (-3)	29 (-8)	25	1 1/2"	1"	7	21" x 62"	75"	645	
	CWF100CS-15	25 (-5)	38 (-12)	30	1 1/2"	1"	10	24" x 72"	82"	897	
	CWF140CS-20	39 (-4)	59 (-8)	50	2"	2"	14	30" x 72"	98"	1,459	
CWF180CS-20	57 (-7)	85 (-16)	70	2"	2"	18	36" x 72"	98"	2,101		
CWF240CS-20	77 (-10)	100 (-18)	100	2"	2"	24	42" x 72"	105"	3,085		