

## Commercial Water Filter System

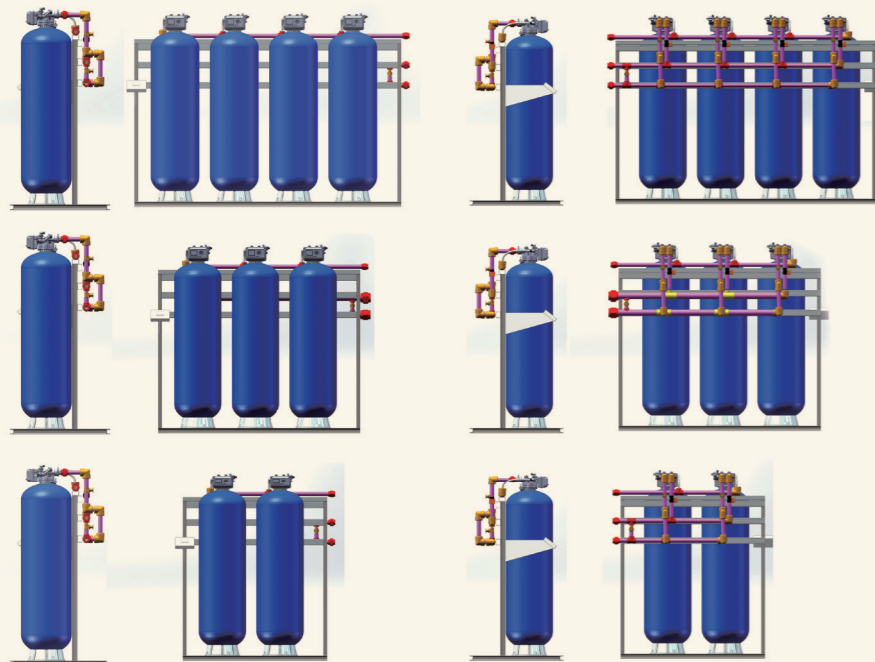
NEUTRALIZER								
MODEL	TANK SIZE	VALVE INLET CONNECTORS - INCH	Service Flow Rates - GPM		BACKWASH FLOW RATE - GPM	DRAIN SIZE - INCH	MEDIA VOLUME - CF	BED DEPTH - INCH
			NORMAL	PEAK				
CNN-1252	1252	1" / 1.25" / 1.5" NPT	2.3	4.5	8	3/4" NPT	2.0	31.9
CNN-1354	1354	1" / 1.25" / 1.5" NPT	2.7	5.3	11	3/4" NPT	2.5	33.8
CNN-1465	1465	1" / 1.25" / 1.5" NPT	3.1	6.2	14	3/4" NPT	3.0	34.9
CNN-1665	1665	1" / 1.25" / 1.5" NPT	4.1	8.1	16	3/4" NPT	4.0	35.5
CNN-1865	1865	1" / 1.25" / 1.5" NPT	5.2	10.3	22	1" NPT	5.0	34.9
CNN-2162	2162	1" / 1.25" / 1.5" NPT	7.0	14.1	24	1" NPT	7.0	35.8
CNN-2472	2472	1" / 1.25" / 1.5" NPT	9.2	18.5	40	1" NPT	10.0	39.0

CARBON FILTERS								
MODEL	TANK SIZE	VALVE INLET CONNECTORS - INCH	Service Flow Rates - GPM		BACKWASH FLOW RATE - GPM	DRAIN SIZE - INCH	MEDIA VOLUME - CF	BED DEPTH - INCH
			NORMAL	3.0 MINUTE EMPTY BED CONTACT TIME				
CAC-1252	1252	1" / 1.25" / 1.5" NPT	3.8	5.0	8	3/4" NPT	2.0	31.9
CAC-1354	1354	1" / 1.25" / 1.5" NPT	4.4	6.2	11	3/4" NPT	2.5	33.8
CAC-1465	1465	1" / 1.25" / 1.5" NPT	5.2	7.5	14	3/4" NPT	3.0	34.9
CAC-1665	1665	1" / 1.25" / 1.5" NPT	6.8	10.0	16	3/4" NPT	4.0	35.5
CAC-1865	1865	1" / 1.25" / 1.5" NPT	8.6	12.5	22	1" NPT	5.0	34.9
CAC-2162	2162	1" / 1.25" / 1.5" NPT	11.7	17.5	24	1" NPT	7.0	35.8
CAC-2472	2472	1" / 1.25" / 1.5" NPT	15.4	24.9	40	1" NPT	10.0	39.0

BIRM								
MODEL	TANK SIZE	VALVE INLET CONNECTORS - INCH	Service Flow Rates - GPM		BACKWASH FLOW RATE - GPM	DRAIN SIZE - INCH	MEDIA VOLUME - CF	BED DEPTH - INCH
			NORMAL	PEAK				
CBM-1252	1252	1" / 1.25" / 1.5" NPT	3.8	7.5	8	3/4" NPT	2.0	31.9
CBM-1354	1354	1" / 1.25" / 1.5" NPT	4.4	8.9	11	3/4" NPT	2.5	33.8
CBM-1465	1465	1" / 1.25" / 1.5" NPT	5.2	10.3	14	3/4" NPT	3.0	34.9
CBM-1665	1665	1" / 1.25" / 1.5" NPT	6.8	13.5	16	3/4" NPT	4.0	35.5
CBM-1865	1865	1" / 1.25" / 1.5" NPT	8.6	17.2	22	1" NPT	5.0	34.9
CBM-2162	2162	1" / 1.25" / 1.5" NPT	11.7	23.5	24	1" NPT	7.0	35.8
CBM-2472	2472	1" / 1.25" / 1.5" NPT	15.4	30.8	40	1" NPT	10.0	39.0

GREENSAND FILTERS								
MODEL	TANK SIZE	VALVE INLET CONNECTORS - INCH	Service Flow Rates - GPM		BACKWASH FLOW RATE - GPM	DRAIN SIZE - INCH	MEDIA VOLUME - CF	BED DEPTH - INCH
			NORMAL	PEAK				
CMG-1252	1252	1" / 1.25" / 1.5" NPT	3.8	7.5	8	3/4" NPT	2.0	31.9
CMG-1354	1354	1" / 1.25" / 1.5" NPT	4.4	8.9	11	3/4" NPT	2.5	33.8
CMG-1465	1465	1" / 1.25" / 1.5" NPT	5.2	10.3	14	3/4" NPT	3.0	34.9
CMG-1665	1665	1" / 1.25" / 1.5" NPT	6.8	13.5	16	3/4" NPT	4.0	35.5
CMG-1865	1865	1" / 1.25" / 1.5" NPT	8.6	17.2	22	1" NPT	5.0	34.9
CMG-2162	2162	1" / 1.25" / 1.5" NPT	11.7	23.5	24	1" NPT	7.0	35.8
CMG-2472	2472	1" / 1.25" / 1.5" NPT	15.4	30.8	40	1" NPT	10.0	39.0

MULTI-MEDIA FILTERS								
MODEL	TANK SIZE	VALVE INLET CONNECTORS - INCH	Service Flow Rates - GPM		BACKWASH FLOW RATE - GPM	DRAIN SIZE - INCH	MEDIA VOLUME - CF	BED DEPTH - INCH
			DOMESTIC	INDUSTRIAL				
CMM-1252	1252	1" / 1.25" / 1.5" NPT	3.8	2.3	11	3/4" NPT	2.0	31.9
CMM-1354	1354	1" / 1.25" / 1.5" NPT	4.4	2.7	14	3/4" NPT	2.5	33.8
CMM-1465	1465	1" / 1.25" / 1.5" NPT	5.2	3.1	16	3/4" NPT	3.0	34.9
CMM-1665	1665	1" / 1.25" / 1.5" NPT	6.8	4.1	22	1" NPT	4.0	35.5
CMM-1865	1865	1" / 1.25" / 1.5" NPT	8.6	5.2	24	1" NPT	5.0	34.9



### All Systems are Factory Assembled & Tested

MTS systems come with 1" thru 2" inlet / outlet connections providing recommended service flow rates at minimal pressure loss.

### Operating Conditions

Pressure Range 25 to 125 psi  
 Temperature Up to 110 deg. F  
 Electrical 120V / 50/60Hz  
 Check with factory for other operating conditions.



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## Multiple Tanks System

COMMERCIAL & INDUSTRIAL WATER SYSTEM

**High Flow BNT 950 Control Valves**  
 Feature BNT950 control valve

**Tough Corrosion Resistant Pressure Vessels**  
 NSF approved mineral tanks

**Durable Brine Tanks**  
 High density polyethylene brine tanks

**High Capacity Resin**  
 Premium NSF 44 approved 8% cation ion exchange resin.

### For applications such as:

Apartments - Boiler Treatment - Motels - School  
 Nursing - Homes Office Buildings - Condominiums  
 Factories - Hospital - R/O Pre-Treatment

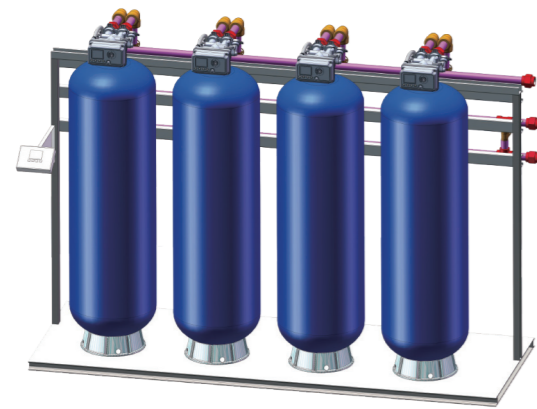
The MTS (Multiple Tank Systems) provide continuous soft water 24 hours a day.

They are engineered and thoroughly tested to provide years of reliable, trouble free performance with a minimum of maintenance.

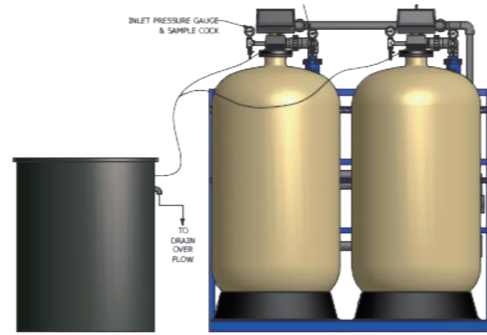
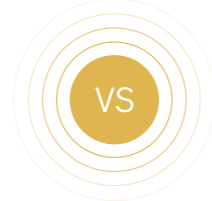


MTS System  
 Shown with pre-loaded, skid mounted, pre-piped and pre-wired

# Competitive Advantages:



BNT-95 Control Valve

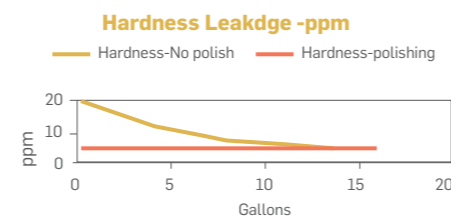
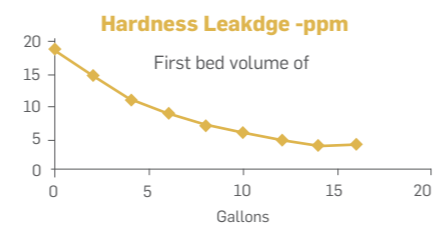


Brine Tank

Large Tank

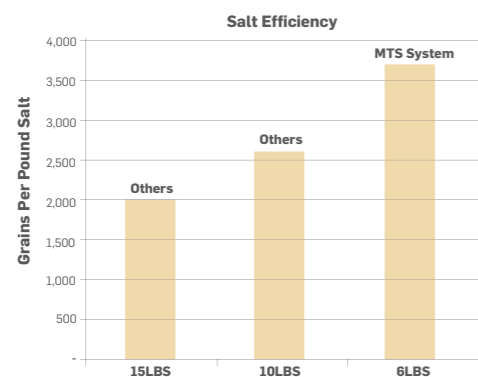
## No hardness leaking and offer Consistent high quality soft water

- MTS systems provide continuous soft water all day, alone.
- MTS systems can detect flow rates under 1gpm, which make system precise operation.
- MTS systems can provide up to 9 hours soft water when power outages.
- MTS systems can automatically divert the first 10-15 gallons of water to drain to insure no hardness is passed into the service line
- MTS systems have a small pump recycles water when the system flow rate drops below the set point, This keeps the product water "polished" so no hardness can leak to the service line.



## Lower Cost

- MTS systems cost up to 25% less.
- MTS systems are engineered to operate at high efficiency salt settings resulting in salt savings of 30% - 45%.



## More Flexibility

- MTS systems with smaller tanks have equal flow rate and capacity compared to large tank & brass valve systems.
- MTS systems can be expanded quickly. Additional tanks can be added to increase the capacity of the systems, when investments change or the soft water needing change.
- According to the consumption of soft water, MTS systems can be equipped by multiple tank size.

## Easier to install

- MTS systems are easier to install and less occupied area.
- The main controller of MTS systems is installed at a convenient to use location rather than on top the tall tanks

## High Performance

- Reduced "Hardness Channeling" at low flow rates
- MTS flow meters can accurately measure low flow rates
- Progressive Flow / Demand Flow operation
- Battery back up system can meter water for up to 9 hours during power outage
- Monitors and forecasts water usage. Automatically increases the system capacity for peak flow periods
- 2 Extra programmable output relays (i.e. chemical pump)
- Advanced system diagnostics for easy trouble shooting

## Commercial Water Softener System

CONTINUOUS FLOW RATE (GPM <15psi PRESSURE DROP)							
MTS2-	HARDNESS (GRAINS PER GALLON)						
CF / TANK	10	15	20	25	30	40	50
MTS2-3 (14x65)	18	12	9	7	6	5	4
MTS2-4 (18x65)	23	16	12	10	8	6	5
MTS2-5 (18x65)	25	20	15	12	10	8	6

CONTINUOUS FLOW RATE (GPM <15psi PRESSURE DROP)							
MTS3-	HARDNESS (GRAINS PER GALLON)						
CF / TANK	10	15	20	25	30	40	50
MTS3-3 (14x65)	37	24	18	15	12	9	7
MTS3-4 (18x65)	46	33	24	20	16	12	10

CONTINUOUS FLOW RATE (GPM <15psi PRESSURE DROP)							
MTS4-	HARDNESS (GRAINS PER GALLON)						
CF / TANK	10	15	20	25	30	40	50
MTS4-3 (14x65)	55	37	28	22	18	14	11
MTS4-4 (18x65)	69	49	37	29	24	18	15
MTS4-5 (18x65)	75	61	46	37	31	23	18
MTS4-6 (21x62)	80	73	55	44	37	28	22
MTS4-7 (21x62)	78	78	64	51	43	32	26
MTS4-8 (24x72)	81	81	73	59	49	37	29
MTS4-9 (24x72)	81	81	81	66	55	41	33
MTS4-10 (24x72)	80	80	80	73	61	46	37

PEAK CONTINUOUS FLOW RATE (GPM <25psi PRESSURE DROP)							
MTS2-	HARDNESS (GRAINS PER GALLON)						
CF / TANK	10	15	20	25	30	40	50
MTS2-3 (14x65)	28	18	14	11	9	7	6
MTS2-4 (14x65)	31	24	18	15	12	9	7
MTS2-5 (18x65)	33	31	23	18	15	11	9

MAX CONTINUOUS FLOW RATE (GPM <25psi PRESSURE DROP)							
MTS3-	HARDNESS (GRAINS PER GALLON)						
CF / TANK	10	15	20	25	30	40	50
MTS3-3 (14x65)	55	37	28	22	18	14	11
MTS3-4 (18x65)	61	49	37	29	24	18	15

MAX CONTINUOUS FLOW RATE (GPM <25psi PRESSURE DROP)							
MTS4-	HARDNESS (GRAINS PER GALLON)						
CF / TANK	10	15	20	25	30	40	50
MTS4-3 (14x65)	83	55	41	33	28	21	17
MTS4-4 (18x65)	92	73	55	44	37	28	22
MTS4-5 (18x65)	100	92	69	55	46	34	28
MTS4-6 (21x62)	105	105	83	66	55	41	33
MTS4-7 (21x62)	104	104	96	77	64	48	39
MTS4-8 (24x72)	107	107	107	88	73	55	44
MTS4-9 (24x72)	106	106	106	99	83	62	50
MTS4-10 (24x72)	105	105	105	105	92	69	55

System	#Tanks	Tank Size	CF Resin per Tank	Black Wash Flow Rate (gpm)
MTS_3	2,3,4	14x65	3	5
MTS_4	2,3,4	18x65	4	6
MTS_5	2,3,4	18x65	5	8
MTS_6	2,3,4	21x62	6	12
MTS_7	2,3,4	21x62	7	12
MTS_8	2,3,4	24x72	8	15
MTS_9	2,3,4	24x72	9	15
MTS_10	2,3,4	24x72	10	15

SYSTEM	Foot Print (in)		Brine Tank Size	Salt Storage
	Length-A	Width-B		
MTS2-3,4,5	43	30	18x40	600
MTS2-6,7,8,9,10	55	36	18x40	600
MTS3-3,4,5	62	30	18x40	600
MTS3-6,7,8,9,10	80	36	18x40	600
MTS4-3,4,5, (X2)	43	30	18x40	600
MTS4-6,7,8,9,10 (X2)	55	36	18x40	600