

# Backwashing Filters with Fleck 2750 Valves



## Light commercial applications

Water filters with Fleck 2750 control valves provide service flow rates up to about 20 gallons per minute. Check out the specifications, features, benefits and options described below.

## Specifications

<b>Valve</b>	Fleck 2750 mechanical valve
<b>Electrical</b>	120 Volt 60 Hz standard
<b>Valve body</b>	Brass
<b>Distributor</b>	1.05"
<b>Types</b>	Time clock initiated
<b>Connection</b>	1" MNPT
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Media</b>	Micro-Z or Coconut Shell Carbon

## Features & benefits

- Sturdy brass construction, simple, reliable operation.
- Up to 2.5 CF fully assembled, ready for installation.
- Models for capacities up to 6 cubic feet.
- Decorative mineral tank jacket options available.

## Time clock initiated models

Item Number	Media Qty. CF	Media Type	Mineral Tank Size	Est. Peak GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-FGA2709T	1	GAC	9x48	14	1.3-3	59	80
WST-FGA2710T	1.5	GAC	10x54	16	1.6-4.5	65	105
WST-FGA2712T	2	GAC	12x52	18	2.3-6	63	150
WST-FGA2713T	2.5	GAC	13x54	18	2.8-7.5	65	165
WST-FGA2714T	3	GAC	14x65	20	3.2-9	75	205
WST-FGA2716T	4	GAC	16x65	20	4.2-12	75	270
WST-FGA2718T	5	GAC	18x65	20	5.3-15	78	315
WST-FGA2721T	6	GAC	21x62	20	7.2-18	74	370
WST-FMM2709T	1	Micro-Z	9x48	9	1.3-9	59	120
WST-FMM2710T	1.5	Micro-Z	10x54	10	1.6-10	65	155
WST-FMM2712T	2	Micro-Z	12x52	15	2.3-15	63	185
WST-FMM2713T	2.5	Micro-Z	13x54	18	2.8-18	65	205
WST-FMM2714T	3	Micro-Z	14x65	21	3.2-20	75	265
WST-FMM2716T	4	Micro-Z	16x65	28	4.2-20	75	365

# Commercial Activated Carbon Filters

*Engineered activated carbon water filtration systems.*



Custom twin system with valve nest shown above. Standard models are listed below.

## Contaminates adsorbed:

- Chlorine
- Organic Chemicals
- Fertilizers
- TCE (Trichloroethylene)
- EDB (Ethylene dibromide)
- THM (Trihalomethanes)
- Sediment
- Odors
- Pesticides
- Detergents
- Chloramines

## Selection & sizing concerns:

- Contaminant
- EBCT (Empty bed contact time).
- Service flow rate
- Hours of operation
- Carbon base
- Carbon mesh size
- Backwash requirement
- Installation space
- Drain location

**Tank material** FPR

**Max. Pressure** 150 psi

**Max. Temp** 120°

## Adsorption Influencing Factors

**Temperature** Most effective 60°F - 80°F.

**pH** Most organics in water are more soluble at pH lower than 7.0.

**Contact time** Contact time is a very important consideration related to performance. Please contact tech support for more information.

## Models

Part Number	Description	Valve	Pipe Size	FRP Tank Size	Media Cu. Ft.	Service Flow GPM	Pressure Drop PSI	Backwash Flow GPM	Ship Wt. (lbs)
N2058-14	AC14F2850	2850	1.5"	14X65	3	5/11	15/25	10	125
N2058-16	AC16F2850	2850	1.5"	16X65	4	7/15	15/25	12	190
N2058-22	AC22F2850	2850	1.5"	21X62	6	11/22	15/25	26	672
N2058-24-3150	AC24F3150	3150	2.0"	24X72	8	16/30	15/25	30	960
N2058-30-3150	AC30F3150	3150	2.0"	30X72	15	25/56	15/25	50	1463
N2058-36-3150	AC36F3150	3150	2.0"	36X72	20	35/75	15/25	70	2085
N2058-48-DVN	AC48FDVN	DVN	3.0"	48x72	35	60/130	15/25	125	3882
N2058-63-DVN	AC63FDVN	DVN	3.0"	63X86	50	75/187	15/25	210	6175

*NOTE: Use lower flow rates (above) for increased contact time. Typical flow rates are from 4 and 2 minutes, empty bed contact time. Chloramines and some organics may require up to 10 minutes EBCT. For more information please contact technical support.*

**SAFETY MESSAGE:** Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate procedures for potentially low-oxygen environment should be followed.

# Backwashing Filters with Clack WS1.5 Valves

## Light commercial applications

Water filters with Clack WS1.5 control valves provide service flow rates up to about 45 gallons per minute. Check out the specifications, features, benefits and options described below.



## Specifications

<b>Valve</b>	Clack WS1.5 digital valve
<b>Electrical</b>	120 Volt 60 Hz standard
<b>Valve body</b>	Brass
<b>Distributor</b>	1.9" O.D., 1.5" pipe
<b>Types</b>	Time clock initiated
<b>Connection</b>	1.5" FNPT
<b>Mineral Tank</b>	Corrosion resistant FRP
<b>Media</b>	Micro-Z or Coconut Shell Carbon

## Features & benefits

- Sturdy brass construction, simple, reliable operation.
- 24 volt transformer included.
- Advanced digital diagnostics.
- Up to 2.5 CF fully assembled, ready for installation.
- Models for capacities up to 15 cubic feet.
- Decorative mineral tank jacket options available.

## Time clock initiated models

Item Number	Media Qty. CF	Media Type	Mineral Tank Size	Est. Peak GPM	Rec. GPM Range	App. Height Inch	Ship Wt. (lbs)
WST-FGA1512T	2	GAC	12x52	25	2.3-6	63	150
WST-FGA1513T	2.5	GAC	13x54	30	2.8-7.5	65	165
WST-FGA1514T	3	GAC	14x65	35	3.2-9	75	205
WST-FGA1516T	4	GAC	16x65	40	4.2-12	75	270
WST-FGA1518T	5	GAC	18x65	45	5.3-15	78	315
WST-FGA1521T	6	GAC	21x62	45	7.2-18	74	370
WST-FGA1524T	8	GAC	24x60	45	9.4-24	74	550
WST-FGA1524TC	10	GAC	24x72	45	9.4-30	85	630
WST-FGA1530T	15	GAC	30x72	45	15-45	96	990
WST-FMM1512T	2	Micro-Z	12x52	15	2.3-15	63	190
WST-FMM1513T	2.5	Micro-Z	13x54	18	2.8-18	65	210
WST-FMM1514T	3	Micro-Z	14x65	21	3.2-21	75	270
WST-FMM1516T	4	Micro-Z	16x65	28	4.2-28	75	370
WST-FMM1518T	5	Micro-Z	18x65	35	5.3-35	78	500
WST-FMM1521T	6	Micro-Z	21x62	45	7.2-45	74	600
WST-FMM1524T	7	Micro-Z	24x60	45	9.4-45	74	925
WST-FMM1524TC	9	Micro-Z	24x72	45	9.4-45	85	1000