

## Automatic Carbon Adsorbers

### FLECK® Control Valve

The Carbon Adsorbers will automatically remove chlorine and chloramines found in incoming water supplies. These systems use activated carbon media to adsorb chemicals and some organics from the water.

Carbon adsorbers will automatically backwash for the purpose of exposing new granular sites and flushing dirt to drain thereby extending media life and promoting effective operation. Consists of a fiberglass mineral tank, PVC internal distributor, automatic control valve, gravel, and bags of activated carbon media.

### System Features

- Uses Fleck 2750, 2850 or 3150 control valves for automatic backwashing
- Saves cost of cartridge replacements
- Fiberglass mineral tank, blue
- Uses high quality activated acid-washed carbon to remove chlorine and chloramines
- Various sizes available
- Commercial & Industrial Water Systems
- Food & Beverage Industry

### System Specifications

- Designed with Top Mount 1.5" Inlet/Outlet Fleck control valves.
- All control valves are equipped with standard 7-day timers and dry contacts for interlock capability.
- Add approximately 18" to height of tank to include control valve dimensions.
- Drain pipe size is 3/4 or 1" NPT.
- Water flows from left-to-right when viewing timer.



FLECK 2850

FLECK 2750



FLECK 3150

### Valve Features

- Fully adjustable, controller delivers controlled upflow backwash service.
- Time-tested hydraulically balanced piston, seal and spacer design to pilot service flow and backwash.
- Solid, lead-free brass valve body for superior strength and durability.
- Backwash capacity handles tanks up to 30" diameter.
- 1-1/2" top mount control valve ideal for commercial/ industrial applications.
- 7-day timer.
- Available in either 110V or 24V/60Hz.

# Technical Data

Carbon Adsorbers - FLECK® 110V/60Hz Specifications								
Part Number	Control Valve	Inlet/Outlet Size (inches)	Drain Size (inches)	Service Flow (GPM)	BKW Rate (GPM)	Filter Material (ft <sup>3</sup> )	Tank (inches)	Ship Weight (lbs)
3026425	2750	1 NPT	3/4 NPT	5	5	2.0	12 X 52	88
3026426	2750	1 NPT	3/4 NPT	8	8	3.0	14 X 65	140
3026427	2850	1 - 1/2 NPT	1 NPT	10	12	4.0	16 X 65	170
3026428	2850	1 - 1/2 NPT	1 NPT	13	20	5.0	21 X 62	416
3026429	2850	1 - 1/2 NPT	1 NPT	15	20	6.0	21 X 62	446
3026430	2850	1 - 1/2 NPT	1 NPT	18	25	7.0	24 X 65	650
3026431	2850	1 - 1/2 NPT	1 NPT	20	25	8.0	24 X 65	690
3026432	2850	1 - 1/2 NPT	1 NPT	25	25	10.0	24 X 72	910
3026433	3150	2 NPT	1 NPT	30	40	12.0	30 X 72	1,150

Carbon Adsorbers - FLECK® 24V/60Hz Specifications								
Part Number	Control Valve	Inlet/Outlet Size (inches)	Drain Size (inches)	Service Flow (GPM)	BKW Rate (GPM)	Filter Material (ft <sup>3</sup> )	Tank (inches)	Ship Weight (lbs)
3026415	2750	1 NPT	3/4 NPT	5	5	2.0	12 X 52	88
3026416	2750	1 NPT	3/4 NPT	8	8	3.0	14 X 65	140
3026417	2850	1 - 1/2 NPT	1 NPT	10	12	4.0	16 X 65	170
3026418	2850	1 - 1/2 NPT	1 NPT	13	20	5.0	21 X 62	416
3026419	2850	1 - 1/2 NPT	1 NPT	15	20	6.0	21 X 62	446
3026420	2850	1 - 1/2 NPT	1 NPT	18	25	7.0	24 X 65	650
3026421	2850	1 - 1/2 NPT	1 NPT	20	25	8.0	24 X 65	690
3026422	2850	1 - 1/2 NPT	1 NPT	25	25	10.0	24 X 72	910
3026435	3150	2 NPT	1 NPT	30	40	12.0	30 X 72	1,150

Note: All weights and dimensions are approximate.

## Installation Considerations

- For proper serviceability, it is recommended that there be 18" of space around the entire system. A minimum of 12" is required. The tanks should be installed on a firm, level surface.
- The inlet piping should be sized large enough to provide the required water flow for both service flow and backwashing of the tanks with minimum amount of pressure loss.
- A drain with suitable capability for the backwash flow rate of the tanks is required.
- Isolation valves, pressure gauges and sample ports should be installed on each assembly.

## For More Information

Visit [www.mcpur.com](http://www.mcpur.com) for more information or call 1-800-633-3080.

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Mar Cor Purification  
4450 Township Line Road  
Skippack, PA 19474-1429  
Tel: (484) 991-0220  
Toll Free: (800) 346-0365  
Fax: (484) 991-0230

Mar Cor Purification  
14550 28th Avenue North  
Plymouth, MN 55447  
Tel: (484) 991-0220  
Toll Free: (800) 633-3080  
Fax: (763) 210-3868

Mar Cor Purification  
3250 Harvester Road - Unit 6  
Burlington, ON L7N 3W9  
Tel: (905) 639-7025  
Toll Free: (800) 268-5035  
Fax: (905) 639-0425

Mar Cor Purification  
Sourethweg 11  
6422 PC Heerlen  
The Netherlands  
Tel: (+31) 45 5471 471  
Fax: (+31) 45 5429 695

Mar Cor Purification  
1A International  
Business Park, #05-01  
Singapore 609933  
Tel: (+65) 6227 9698  
Fax: (+65) 6225 6848