

ACTIVATED CARBON FILTERS FOR DECHLORINATION AND ORGANICS REMOVAL

System Management & Backwashing

During service the filter media will need to be backwashed to remove debris that accumulates on the surface of the Carbon and to 'reclassify' the media to prevent channelling of water through the filter bed. The backwash and rinse cycle takes approximately 20 minutes in total.

Backwashing frequency is usually controlled by a timer which will backwash the system at pre-set intervals. Meter controlled valves can also be used which will backwash the filter media after a pre-set volume of water has been treated.

For sites where there is high organic contamination of the water, the Activated

Carbon media may need to be changed frequently. On larger systems, special tanks are available with additional side and top ports to speed up the replacement process and eliminate the need to disturb the valve and internal distribution system.

Specifying and Sizing

Sizing of a dechlorinator is based on a water/carbon contact time of 6 minutes, equivalent to 10 bed volumes per hour. Decolourisation may require a longer contact time and therefore more media or a slower flow rate may be needed. Larger systems using steel vessels and service valve controllers are available to order.

Technical Details and Model numbers

Model	FA1054	FA1248	FA1354	FA1465	FA1665	FA1865	FA2160	FA2469	FA3072	FA3672	FA4278	FA4882
Flow rate m3/h	0.40	0.50	0.70	1.00	1.40	1.90	2.25	3.25	4.50	7.50	10.00	12.50
B/W flow m3/h	0.50	0.90	1.00	1.20	1.50	2.20	2.60	3.40	5.30	7.70	10.50	13.70
Connections In/Out	1" BSP	1" BSP	1" BSP	1" BSP	1" BSP	1" BSP	1" BSP	1" BSP	1.5" BSP	2" BSP	2" BSP	2" BSP
Height mm	1607	1458	1601	1880	1885	1997	1840	2090	2250	2360	2338	2433
Diameter mm	270	315	335	370	410	510	560	620	770	930	1080	1230

NB. To prevent damage to the vessel these filters must be protected from negative pressure from the drain or supply. A vacuum relief valve is recommended on the inlet supply and is supplied with all vessels from 770mm diameter upwards.

The Right Product
 ...At the Right Price
 ...At the Right Time

