

AIO Supplemental Insert

Overview:

The AIO valve is designed for use when water containing contaminants subjected to oxidation is encountered. The water passes through the AIO valve then passes through the tank containing oxygen enriched filter media. The oxygen reduces all contaminants in the water to an oxide, or in the case of hydrogen sulfide gas, it is reduced to a molecule of acid.

Regeneration as follows:

Backwash (BW): Cycle Step #1	The backwash cycle washes oxidized contaminants to drain and reclassifies the media bed.
Air Draw (BD): Cycle Step #2	Air Draw empties water from tank and replenishes oxygen to filter media.
Rapid Rinse (RR): Cycle Step #3	Rapid Rinse purges excess atmosphere from the media tank and distributor.

NOTE: Due to the oxygen in the media tank, maximum 80 PSI for operation.

SXT Programming:

Programming Abbreviation	Programming Definition	* Option Abbreviation	Option Definition
DF	Display Format	GAL	Gallons – 12 hour time
VT	Valve Type	DF 1b	Downflow Single Backwash
CT	Control Type	tc	Time Clock – Regenerates based on days
NT	Number of Tanks	1	Single Tank
DO	Day Override	3	Days Between Regeneration – In conditions of high water usage and/or high levels of contaminants, the AIO may need to regenerate more frequently than once every three days. DO NOT set the regeneration day override for a longer period than three days, as the filter media can become fouled with contaminants, rendering the AIO ineffective.
RT	Regeneration Time	12:30 AM	Regeneration Time – If there is a need to change the factory default, then make sure the time of regeneration is not the same with any other water treatment equipment in the system.
BW	Backwash	14	See AIO Overview Above
BD	Air Draw	40	See AIO Overview Above
RR	Rapid Rinse	1	See AIO Overview Above
BF	Brine Fill	Off	Not Applicable

* Factory Defaults

Reference SXT service manual for programming information.