



Specifications - ArsenicTRAP™

CASCADIAN® ArsenicTRAP™ 58X Automatic Arsenic Filter System

- Reduce Arsenic to 10 ppb or Less
- Very High Capacity
- No Leakage
- Simple backwash regeneration, no chemicals to add
- Non-corrosive fiberglass reinforced media tank
- 58X ADVANCED SOLID STATE MICROPROCESSOR BASED SMART CONTROLLER
 - Full Color Touch Screen Display – User Friendly Interface – Easy to read and program
 - Custom Programmable “Call for Service Screen”
 - Cartridge-Based seal and spacer design
 - Metered – Regenerates only when needed
 - Viewable System Information Includes:
Current Flow Rate, Peak Flow Rate, Last Regeneration, Reserve, No. of Regenerations, Regeneration Interval, Daily Usage, Usage Since Last Regeneration, Last Setting Change, Total Volume Treated Through Unit and System Diagnostics
- High flow 1” or 1.25” connections and bypass

Note: Equipment Model, Size and Colors May Vary From Photo



CASCADIAN® ArsenicTRAP™ 58X Series						
Part #:	Tank Size (inch)	Height w/Valve (inch)	Std. Piping Size (inch)	*Service Rate GPM	Backwash GPM	*Gallons Capacity As ⁺⁵
ASTRAP-095X	9 X 48	57	1	2.0 - 5.0	1.0	250,000
ASTRAP-105X	10 X 54	66	1.25	3.0 - 7.5	1.0	375,000
ASTRAP-125X	12 X 52	64	1.25	4.0 - 10	1.5	500,000
ASTRAP-135X	13 X 54	66	1.25	5.0 - 12.5	2.0	625,000
ASTRAP-145X	14 X 65	75	1.25	6.0 - 15	2.0	750,000
ASTRAP-165X	16 X 65	75	1.25	8.0 - 20	5.0	1,000,000
ASTRAP-185X	18 X 65	75	1.25	10 - 25	8.0	1,250,000

- *Service flow rate affected by water chemistry.
- +Capacity based on 100ppm SO₄ and 50 ppb As⁺⁵. The throughput capacity varies inversely with changes in the influent arsenic levels.
- ArsenicTRAP™ has modest capacity for arsenite (As⁺³). It is suggested that if the arsenite concentration exceeds 20% of the total arsenic present, the feedwater should be pre-chlorinated to ensure conversion to arsenate (As⁺⁵).
- Exhausted ArsenicTRAP™ Media is replace with new and is safe for disposal in sanitary land fill.

CASCADIAN® ArsenicTRAP™ Media Kits					
Part #:	Media Kit Part #	Part #:	Media Kit Part #	Part #:	Media Kit Part #
ASTRAP-095X	MKAST09	ASTRAP-135X	MKAST13	ASTRAP-185X	MKAST18
ASTRAP-105X	MKAST10	ASTRAP-145X	MKAST14		
ASTRAP-125X	MKAST12	ASTRAP-165X	MKAST16		



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Use:	Raw water quality conditions:	Regenerant:	Possible ICS Alternative:
Reduce arsenic	Turbidity \leq 1 NTU Iron \leq 0.5 ppm Iron bacteria – none Manganese \leq 0.25 ppm Tannins \leq 0.2 ppm Conductivity \leq 1000 Chloride \leq 250 ppm Sulfate \leq 250 ppm pH 5.5 - 9.5 Phosphate \leq 5 ppm Silica \leq 10 ppm Chlorine \leq 0.3 ppm	Water	None:



CASCADIAN® ArsenicTRAP™ Minimum Installation Requirements

May require additional processes; Contact O3 Water Systems for design assistance.

Arsenic Removal System Suggested Components

