



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	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

- a) *Service flow rate affected by water chemistry.
- b) +Capacity based on 100ppm SO₄ and 50 ppb As⁺⁵. The throughput capacity varies inversely with changes in the influent arsenic levels.
- c) 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).
- d) 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	ICS -A

CASCADIAN® ArsenicTRAP™ Minimum Installation Requirements

May require additional processes; Contact Cascadian Water for design assistance.



Arsenic Removal System Suggested Components

