

## APPLICATION GUIDE

**Two units in one, working together to combat your water quality issues.**

The Alliance Series offers treatment for corrosion, chlorine, taste, odor and iron through filtration... Plus softens water.

**WATER ISSUE:**

Blue/green stains, pipe pitting, appliance corrosion and mineral deposits.

**Recommended product: MP-CLRNS**

**WATER ISSUE:**

Chlorine, musty, earthy tastes and mineral deposits.

**Recommended product: MP-CLRTS**

**WATER ISSUE:**

Iron, manganese and mineral deposits.

**Recommended product: MP-CLRFES**

*Special application units also available for the reduction of uranium, tannin, nitrate and dealkalization.*



Product Versions	Mineral Tank Assembly Size	Brine Tank Size	Backwash Flow (gpm)	Service Flow (gpm)
CLRNS/MP-CLRNS-20T	10" x 61"	18" x 33"	5.3	5.0
CLRNS/MP-CLRNS-30T	12" x 59"	18" x 40"	7.5	7.0
CLRNS/MP-CLRNS-40T	16" x 47"	18" x 40"	10.0	10.0
CLRTS/MP-CLRTS-20T	10" x 61"	18" x 33"	2.2	6.0
CLRTS/MP-CLRTS-30T	12" x 59"	18" x 40"	4.2	8.0
CLRTS/MP-CLRTS-40T	16" x 47"	18" x 40"	5.3	12.0
CLRFES/MP-CLRFES-20T	10" x 61"	18" x 33"	5.3	5.0
CLRFES/MP-CLRFES-30T	12" x 59"	18" x 40"	7.5	7.0
CLRFES/MP-CLRFES-40T	16" x 47"	18" x 40"	10.0	10.0

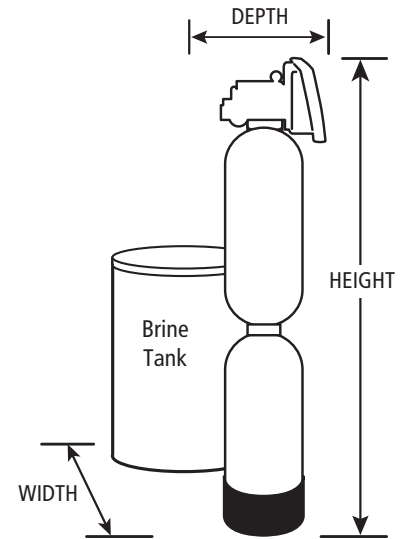
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1. Will the Alliance Series combination unit fit within the allocated space in my home?

**Check table for space required**

2. Will the Alliance Series combination unit meet my flow demand?

**Check table for flowrate**



ALLIANCE SERIES SYSTEMS	CLRNS / MP-CLRNS Neutralizer/Softener Blue/Green Stains Low pH/Mineral Deposits	CLRTS / MP-CLRTS Carbon/Softener Chlorine/Earthy Taste Mineral Deposits	CLRFES / MP-CLRFES Iron Filter/Softener Orange Brown Stains Mineral Deposits
System Size based on bathrooms	<input type="radio"/> 1–1.5 Bathrooms <b>CLRNS/MP-CLRNS-20T</b> <input type="radio"/> 2–2.5 Bathrooms <b>CLRNS/MP-CLRNS-30T</b> <input type="radio"/> 3–3.5 Bathrooms <b>CLRNS/MP-CLRNS-40T</b>	<input type="radio"/> 1–2 Bathrooms <b>CLRTS/MP-CLRTS-20T</b> <input type="radio"/> 2.5–3 Bathrooms <b>CLRTS/MP-CLRTS-30T</b> <input type="radio"/> 3.5–4 Bathrooms <b>CLRTS/MP-CLRTS-40T</b>	<input type="radio"/> 1–1.5 Bathrooms <b>CLRFES/MP-CLRFES-20T</b> <input type="radio"/> 2–2.5 Bathrooms <b>CLRFES/MP-CLRFES-30T</b> <input type="radio"/> 3–3.5 Bathrooms <b>CLRFES/MP-CLRFES-40T</b>
Flowrate Required to operate system	<input type="radio"/> 5.3 gpm <b>CLRNS/MP-CLRNS-20T</b> <input type="radio"/> 7.5 gpm <b>CLRNS/MP-CLRNS-30T</b> <input type="radio"/> 10 gpm <b>CLRNS/MP-CLRNS-40T</b>	<input type="radio"/> 2.2 gpm <b>CLRTS/MP-CLRTS-20T</b> <input type="radio"/> 4.2 gpm <b>CLRTS/MP-CLRTS-30T</b> <input type="radio"/> 5.3 gpm <b>CLRTS/MP-CLRTS-40T</b>	<input type="radio"/> 5.3 gpm <b>CLRFES/MP-CLRFES-20T</b> <input type="radio"/> 7.5 gpm <b>CLRFES/MP-CLRFES-30T</b> <input type="radio"/> 10 gpm <b>CLRFES/MP-CLRFES-40T</b>
Contaminant Limits	<b>CLRNS/MP-CLRNS</b> pH ≥ 5.6 @ < 300 ppm TDS Hardness ≤ 10 gpg Total Iron ≤ 10 ppm Turbidity ≤ 25 ntu	<b>CLRTS/MP-CLRTS</b> Hardness ≤ 30 gpg Total Iron ≤ 1 ppm Turbidity ≤ 25 ntu	<b>CLRFES/MP-CLRFES</b> pH ≥ 7.0 @ < 500 ppm TDS Hardness ≤ 20 gpg Total Iron ≤ 10 ppm Turbidity ≤ 25 ntu
Total Dimensions*	<b>CLRNS/MP-CLRNS-20T</b> 31"W x 19"D x 71"H <b>CLRNS/MP-CLRNS-30T</b> 31"W x 19"D x 69"H <b>CLRNS/MP-CLRNS-40T</b> 38"W x 19"D x 55"H	<b>CLRTS/MP-CLRTS-20T</b> 31"W x 19"D x 71"H <b>CLRTS/MP-CLRTS-30T</b> 31"W x 19"D x 69"H <b>CLRTS/MP-CLRTS-40T</b> 38"W x 19"D x 55"H	<b>CLRFES/MP-CLRFES-20T</b> 31"W x 19"D x 71"H <b>CLRFES/MP-CLRFES-30T</b> 31"W x 19"D x 69"H <b>CLRFES/MP-CLRFES-40T</b> 38"W x 19"D x 55"H

\* Depth size includes bypass and tail piece connection.

**If above parameters cannot be used to determine system, call Master Water Conditioning.**

**Application notes:**

- Accurate water analysis is critical
- Local conditions can influence system performance
- Sulfur-free water required for CLRFES/MP-CLRFES or CLRTS/MP-CLRTS systems



by **MASTER**  
Water Conditioning Corp.