

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-CNS

WATER ISSUE:

Chlorine, musty, earthy tastes and mineral deposits.

Recommended product: MP-CTS

WATER ISSUE:

Iron, manganese and mineral deposits.

Recommended product: MP-CFES

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) |
|------------------|----------------------------|-----------------|---------------------|--------------------|
| CNS/MP-CNS-20T | 10" x 61" | 18" x 33" | 5.3 | 5.0 |
| CNS/MP-CNS-30T | 12" x 59" | 18" x 40" | 7.5 | 7.0 |
| CNS/MP-CNS-40T | 16" x 47" | 18" x 40" | 10.0 | 10.0 |
| CTS/MP-CTS-20T | 10" x 61" | 18" x 33" | 2.2 | 6.0 |
| CTS/MP-CTS-30T | 12" x 59" | 18" x 40" | 4.2 | 8.0 |
| CTS/MP-CTS-40T | 16" x 47" | 18" x 40" | 5.3 | 12.0 |
| CFES/MP-CFES-20T | 10" x 61" | 18" x 33" | 5.3 | 5.0 |
| CFES/MP-CFES-30T | 12" x 59" | 18" x 40" | 7.5 | 7.0 |
| CFES/MP-CFES-40T | 16" x 47" | 18" x 40" | 10.0 | 10.0 |

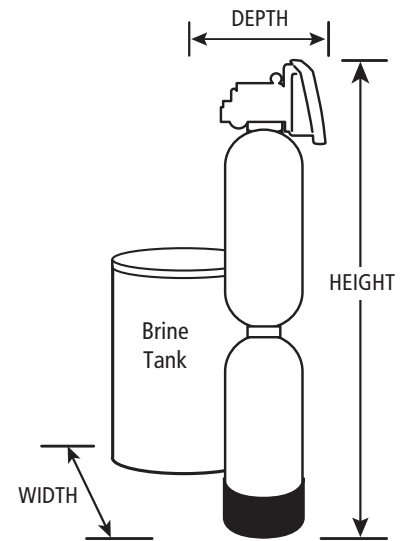
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1. Will the Alliance Series combination unit fit within the allocated space in my home?

Check table for space required

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

Check table for flowrate



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