

UltraPro

Membrane Filtration Technology

APPLICATION GUIDE

Cleaner, safer water

Master Water's UltraPro filters out a variety of organics and suspended particles using the finest membrane technology available to provide superior water that is clear and clean – without the use of chemicals. If you are concerned about microbiological organisms and impurities in your household water, this system can give you peace of mind.

Filters water to a rate of 0.02 micron absolute filtration, aids in the reduction of:

Natural Organic Matter

- Tannin
- Organic Iron

Colloids

- Clay
- Iron complexes

Microbiological Impurities

- Cyst
- Bacteria
- Virus



Our systems are available in the following configurations:

- Duplex Parallel (MP)
- Duplex Alternating (RS)
- Single Tank (FLBT)
- Disinfect (DS)
An optional disinfection tank can be added to all of these systems.
- Separate Source Regeneration (SP)
- Custom Multiple Tank Systems



Specifications:

MODEL #	SERVICE FLOW @15 dP	CLEAN WATER REGENERATION	24 HOUR TREATMENT REGENERATION	TANK SIZE	TANK QUANTITY
MPULTRA10FL	21	Yes	Yes	8" X 42"	2
RSULTRA10FL	10.5	Yes	Yes	8" X 42"	2
ULTRA10FLBT	10.5	Yes	No	8" X 42"	1
MPULTRA4FL	9	Yes	Yes	8" X 22"	2
RSULTRA4FL	4.5	Yes	Yes	8" X 22"	2
ULTRA4FLBT	4.5	Yes	No	8" X 22"	1

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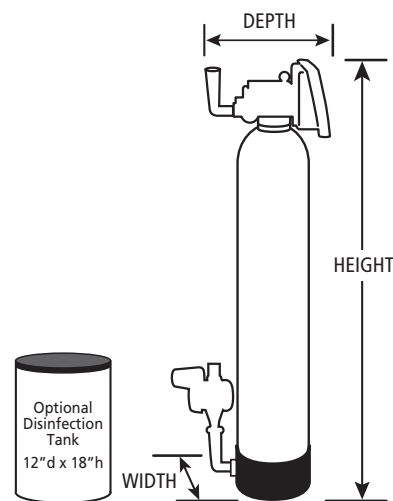
1. What service flow rate do I need?

Check table for service flow rates

2. Will the UltraPro system fit within the allocated space within my home?

UltraPro comes in two sizes:

36" w x 54" h X 18" d and 18" w X 54" h X 12" d



UltraPro Systems	MP Ultra	RS Ultra	UltraFLBT
Service Flow Rate	<input type="radio"/> 21.0 GPM (Ultra 10 Series) <input type="radio"/> 9.0 GPM (Ultra 4 Series)	<input type="radio"/> 10.5 GPM (Ultra 10 Series) <input type="radio"/> 4.5 GPM (Ultra 4 Series)	<input type="radio"/> 10.5 GPM (Ultra 10 Series) <input type="radio"/> 4.5 GPM (Ultra 4 Series)
Treated Water Cleaning	Automatically integrated. (No Additional Tank Required)	Automatically integrated. (No Additional Tank Required)	Requires 13 Gallon Drawdown Capacity Bladder Tank. (Not Included)
Continuous Treated Water	Yes	Yes	No
Cleaning Flow Rate	5.3 GPM	5.3 GPM	5.3 GPM
Cleaning Time	<5 Minutes	<5 Minutes	<5 Minutes
Cleaning Gallons	13 gallons	13 gallons	13 gallons
# of Membrane Tanks	2	2	1
Counts Gallons of Treated Water	Yes	Yes	Yes
Total Dimensions	36" w x 54" h x 18" d	36" w x 54" h x 18" d	18" w x 54" h x 12" d

MP – Provides double the flow rate of a single membrane tank system, continuous treated water, treated water cleaning and integrated lockout to prevent simultaneous regeneration. Both units are always “On Line” except during a 5 minute regeneration.

RS – Provides continuous treated water, treated water cleaning and integrated alternation to prevent simultaneous regeneration. One unit is “On Line” while the second unit is in “Standby”.

FLBT – Is a single membrane tank system providing treated water cleaning from an external bladder tank that is not included. The bladder tank must provide a minimum 13 gallon draw down. One unit “On Line” except during the 5 minute regeneration. There is no treated water provided during the 5 minute regeneration.

DS – This is a membrane tank disinfection option applicable to all system configurations. Provides disinfection of the membrane tank for known microbiological applications. The DS technology is integrated with each regeneration, but requires periodic chemical addition and the regeneration cycle time as well as water usage is increased.

SP – This is a membrane tank regeneration source water option applicable to all system configurations. Provides flexibility of system location and cleaning source water. This is a great option when the water supply flow capability is less than the application’s required flow; such as bulk water storage with booster pump repressurization.

Application Notes:

- Treated water cleaning is required to maintain performance and system longevity
- UF Pilot Stick should be used to determine viability of application
- Local conditions can influence system performance