

APPLIED[®] SYSTEMS USA

Series WMF – 2,200 to 20,000 GPD Wall Mount UF Systems

Ultrafiltration Water Purification

Designed to produce clean, purified water from tap or well water, these wall-mounted systems use high efficiency ultrafiltration membranes. The filtered product water is used in commercial and residential applications such as water stores, RO pretreatment, whole house, laboratories, bottled water and other similar applications.

Key Features

- Over 38 years of experience is reflected in our quality
- Fine filtration to 0.02 microns for bacteria, viruses and turbidity treatment
- Low operating pressure and high efficiency
- Reliable and durable UF Membranes for high membrane integrity
- Compact, heavy duty, powder coated frame
- Factory tested to ensure trouble-free operation
- Simple installation and automatic operation



Standard Equipment

- Hollow fiber ultrafiltration membranes
- PVC membrane housings/vessels
- Liquid filled system pressure gauge
- Corrosion resistant powder coated durable steel frame
- Boxed and palletized for shipment
- Electric actuated control valves
- Automated system controller
- Inlet isolation valve

Controller for Automatic Operation

Controller Features:

- Simple operation, easy to use
- Automatic operation including membrane backwash/cleaning
- Manual backwash button

Indicator Lights:

- In service
- Backwash flush clean mode

Model No.	System Capacity		Membrane Elements		Line Size Inlet, Filtrate, Drain (NPT)	System Dimensions (in/cm)		
	GPD	m ³ /day	Qty.	Size (Dia.×L)		Length	Depth	Height
WMF-22521A-116	2,200	8	2	2.5 × 21	½"	28/71	12/30	26/66
WMF-42521A-116	4,300	16	4	2.5 × 21	½"	35/89	12/30	26/66
WMF-24A-116	13,000	50	2	4.0 × 40	¾"	29/73	12/30	52/132
WMF-44A-116	22,000	83	4	4.0 × 40	1"	36/91	12/30	52/132

Notes and Voltage/ Ordering Information

- All dimensions and weights are approximate.
- **Capacity Basis:** 24 hrs/day
- **Systems rated at:** 77°F (25°C) less than 1,500 ppm total dissolved solids (TDS) city water or natural groundwater well
- **Minimum feed pressure to UF System:** 40 PSI.
- **Voltage:** 120 volts, single phase, 60 hertz. 220 volt available upon request
- System capacity changes significantly with water temperature
- Media pretreatment recommended for source water turbidity reduction, typically for well water.

Pretreatment and Post Treatment Options

System Model No.	Carbon Filter Post Treatment	UV Disinfection Post Treatment	Multi-Media Filter Pretreatment	1 Micron Filter Pretreatment	Pressure Tank
WMF-22521A-116	A725	S2Q-PA	W-MB844ET-US	A704-10-1	A612-40
WMF-42521A-116	A725	S2Q-PA	W-MB844ET-US	A704-10-1	A612-40
WMF-24A-116	A725BB	S5Q-PA	W-MB1665ET-US	A704-20-1	A612-80
WMF-44A-116	A725BB	S8Q-PA	W-MB1665ET-US	A704-20-1	A612-80

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APPLIED[®] SYSTEMS USA

Series WMZ – 1,600 to 10,000 GPD Economy WM UF Systems

Ultrafiltration Water Purification

Designed to produce clean, purified water from tap or well water, these wall-mounted systems use high efficiency ultrafiltration membranes. The filtered product water is used in residential POE/POU applications such as water stores, RO pretreatment, whole house, laboratories, bottled water and other similar applications.

Key Features

- Over 25 years of experience is reflected in our quality
- Fine filtration to 0.02 microns for bacteria, viruses and turbidity treatment
- Low operating pressure and high efficiency
- Reliable and durable UF Membranes for high membrane integrity
- Compact, heavy duty, powder coated frame
- Factory tested to ensure trouble-free operation
- Simple installation and automatic operation



Standard Equipment

- Hollow fiber ultrafiltration membranes
- PVC membrane housings/vessels
- Liquid filled system pressure gauge
- Corrosion resistant powder coated durable frame
- Boxed and palletized for shipment
- Electric actuated control valve system
- Automated system controller
- Inlet isolation valve

Controller for Automatic Operation

Controller Features:

- Simple operation, easy to use
- Automatic operation including membrane flush/cleaning
- Manual flush button

Indicator Lights:

- In service
- Flush clean mode

Model No.	System Capacity		Membrane Elements		Line Size Inlet, Filtrate, Drain (NPT)	System Dimensions (in/cm)		
	GPD	m ³ /day	Qty.	Size (Dia. x L)		Length	Depth	Height
WMZ-12521A-116	1,600	6.06	1	2.5 × 21	½"	28/71	12/30	26/66
WMZ-14A-116	10,000	37.85	1	4.0 × 40	¾"	18/46	12/30	52/132

Notes and Voltage/ Ordering Information

- All dimensions and weights are approximate.
- **Capacity Basis:** 24 hrs/day
- **Systems rated at:** 77°F (25°C) less than 1,500 ppm total dissolved solids (TDS) city water or similar (well)
- **Minimum feed pressure to UF System:** 40 PSI.
- **Voltage:** 120 volts, single phase, 60 hertz. 220 volt available upon request
- System capacity changes significantly with water temperature
- Media pretreatment recommended for source water turbidity reduction, typically for well water.

Pretreatment and Post Treatment Options

System Model No.	Carbon Filter Pre & Post Treatment	UV Disinfection Post Treatment	Multi-Media Filter Pretreatment	1 Micron Filter Pretreatment	Pressure Tank
WMZ-12521A-116	A725	S2Q-PA	W-MB844ET-US	A704-10-1	A612-40
WMZ-14A-116	A725BB	S5Q-PA	W-MB1665ET-US	A704-20-1	A612-80

Typical UF Systems include Sediment Prefilter and Carbon Filter

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