

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 x 21	½"	28/71	12/30	26/66
WMZ-14A-116	10,000	37.85	1	4.0 x 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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