

MDRO SYSTEM



POWERFUL FLOW RATE, HIGH-EFFICIENCY FILTRATION



Selected high-quality core materials for multi-layer membrane reverse osmosis filter cartridges, with stable and outstanding desalination rates. The system offers a large processing capacity and high flow rate (approximately 2-4L/Min), supporting multiple water points throughout the store and efficiently handling peak water usage



Uses a one-piece molded aluminum can, with high pressure resistance and impact strength, effectively addressing the water hammer pressure caused by frequent switching



Multi-layer composite filter cartridges effectively remove heavy metals (lead, cadmium, hexavalent chromium), organic compounds (chloroform, carbon tetrachloride), and adsorb residual chlorine. This not only protects end-use equipment but also ensures consistency in the final output









Professional testing of the new Level 1 water efficiency, saving water and being environmentally friendly, effectively controlling store operation costs

MULTIPLE OPTIONS FOR FLEXIBLE CONFIGURATION

The standardised configuration includes different pre-filter products and main system models, enabling simple and quick selection. Open for customisation to meet more personalized needs of the store, with professional and precise matching

MDRO SERIES HIGH-FLOW FILTRATION SYSTEM

SIMPLE OPERATION AND HASSLE-FREE MAINTENANCE

-  Built-in bypass ball valve to address water needs during emergencies (e.g., commercial power outages)
-  Uses quick-connect filter cartridges, allowing replacement in seconds—time-saving, labour-saving, and more efficient
-  TDS value, flow rate, and flow speed are clearly visible, enabling easy water management
-  Filter cartridge lifespan reminder for convenient and timely stock replenishment and replacement
-  Precise fault code identification for remote troubleshooting and support
-  Includes reserved IOT function interface for convenient remote management and efficient operation



SPECIFICATIONS

Model	MDRO-800	MDRO-1200	MDRO-1600
System Dimensions (mm)	W320*D268*H598(7#)	W320*D268*H708(9#)	W320*D268*H708(9#)
Phosphate Filter Cartridge Model	PPC-80	PPC-120	PPC-160
Recommended Replacement Cycle	12-24 months	12-24 months	12-24 months
Reverse Osmosis Filter Cartridge Model	MRO-800	MRO-1200	MRO-1600
Recommended Replacement Cycle	12-18 months	12-18 months	12-18 months
Water Efficiency Rating	Level 1	Level 1	Level 1
Rated Water Purification Flow Rate (LPM)	2	3	4
Rated Total Volume of Purified Water (m³)	9	11	12
Inlet/Outlet Size (Inch)	3/8	3/8	3/8
Recommended Inlet Pressure (MPa)	0.1-0.4	0.1-0.4	0.1-0.4
Operating Pressure (MPa)	0.6-0.9	0.6-0.9	0.6-0.9
Inlet Water Temperature (°C)	5~38	5~38	5~38
Rated Power (W)	108	144	216



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