

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 (m ³)	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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