

MIZU 1

High-grade water filtration system

**BUILT FOR PERFORMANCE.
MADE TO LAST.**

MIZU 1 delivers high-flow, multi-stage filtration to protect your equipment, maintain water quality, and reduce maintenance downtime.



HIGH FLOW CAPACITY
Handles demanding commercial applications

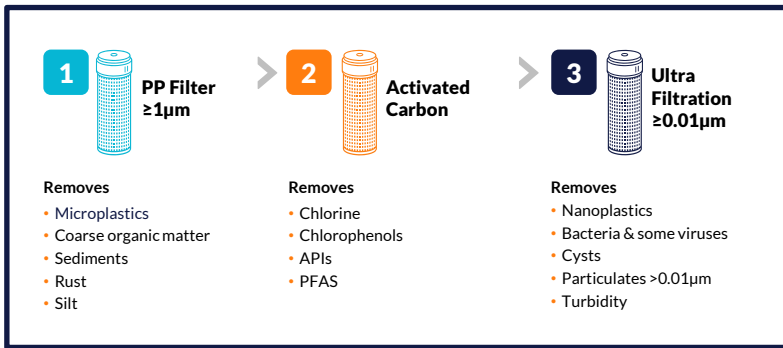


SUPERIOR PROTECTION
Multi-stage filtration safeguards equipment and extends lifespan



LOWER MAINTENANCE
Reduces service frequency and operating costs

3-STAGE TRIPLE FILTRATION



OPERATING PARAMETERS

Service flow rate	Maximum 8000 L/h
Pressure limits	2.07 - 4.14 bar (30 - 60 PSI), non-shock
Temperature limits	15 - 30 °C
Pressure drop (clean condition)	<0.345 bar (5 PSI) with included filters
Connections	Inlet: 1" BSPT Female / DN25 Inner Thread Outlet: 1" BSPT Male / DN25 Outer Thread
Overall Dimensions (H x W x D)	1080 × 860 × 220 mm

FILTER CHANGE SCHEDULE

	PP Cartridge	Every 3 months
	Activated Carbon Cartridge	Every 6 months
	Ultra Filter	Every 1 year

FILTRATION PERFORMANCE

CONTAMINANT / EFFECTS	STAGE	PERFORMANCE
Microplastics >1µm Found in artery plaque, placenta, breast milk, etc.	1 PP Filter	99.9% reduction
>1µm Particulates Rust, Sand, Silt, Dirt & more	1 PP Filter	99.9% reduction
Chlorine & Chlorophenols Nasal & eye irritation, bleach-like odour, foul taste	2 Activated Carbon	99.9% reduction, treated water <0.1 ppm
PFAS (Forever Chemicals) PFOA (Teflon), 102 types detected in tap water	2 Activated Carbon	95% removal for long-chain PFAS like PFOA & PFOS
APIs (Active Pharma Ingredients) Hormone, antibiotics, pain killers, anti-depressants, etc.	2 Activated Carbon	Removal rate of 70-96% for many common drugs
Total Coliforms, E. Coli & Cysts Health risk from bacteria	3 Ultra Filtration	99.9% reduction
Nanoplastics Penetrates cells; leaching toxic, hormone-disrupting chemicals	3 Ultra Filtration	99.9% reduction
>0.01µm Particulates Rust, Sand, Silt, Dirt & more	3 Ultra Filtration	99.9% reduction
Turbidity Cloudiness in water	3 Ultra Filtration	99.9% reduction, treated water <0.1 NTU

ENGINEERED FOR LONG-TERM PERFORMANCE

<p>20" JUMBO PP & ACTIVATED CARBON FILTERS ~6X filter material vs. standard 10" Higher capacity, less frequent filter changes</p>	<p>AUTO RETENTATE PURGING Auto cleaning (concentrated dirty water) maintains optimal performance</p>	<p>PRESSURE GAUGE Monitors pressure drop = Filter Change OR Recommended change intervals</p>	<p>QUICK LOCK DESIGN Faster, easier filter changes</p>
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SYSTEM COMPONENTS & DIMENSIONS

