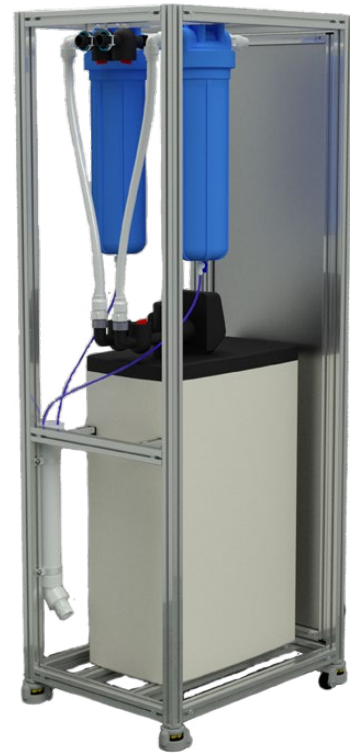


MICRO PRE- TREATMENT

Ensure optimum RO system performance with an integrated pre-treatment system that includes sediment filtration, softening, and carbon filtration, all designed for easy installation and maintenance.



PRE-TREATMENT UNIT FOR THE PUROTHERM MICRO

FEATURES

- Improve water clarity and quality by removing suspended solids, turbidity, and particulates through effective sediment filtration.
- Prevent scaling and extend RO membrane life with water softening that removes hardness ions.
- Enhance RO system performance by removing chlorine, organic compounds, and other contaminants through activated carbon filtration.
- Easily monitor and validate water quality with two hygienic sample valves, ensuring consistent performance.
- Simplify installation and save space with a modular, compact design, fitting into areas as small as 580mm wide x 760mm deep x 1960mm high (Approx.).



OPERATIONAL REQUIREMENTS

FEED WATER QUALITY

Conductivity (µS/cm)	-
Total Dissolved Solids (TDS)	-
Hardness as CaCO ₃ (mg/l)	-
Temperature (°C)	-
Fouling Index (SDI)	-
Free Chlorine (mg/l)	-
Reactive Silica (mg/l)	-
Pressure (kPa)	400-600kPa

PRODUCT WATER QUALITY

AS 5369:2023 (Table 7.2)	Softened water suitable for the Purotherm Micro
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WEIGHT (KG)

Wet	-
Dry	-

DIMENSIONS (MM)

Width	580mm
Depth	760mm
Height	1960mm

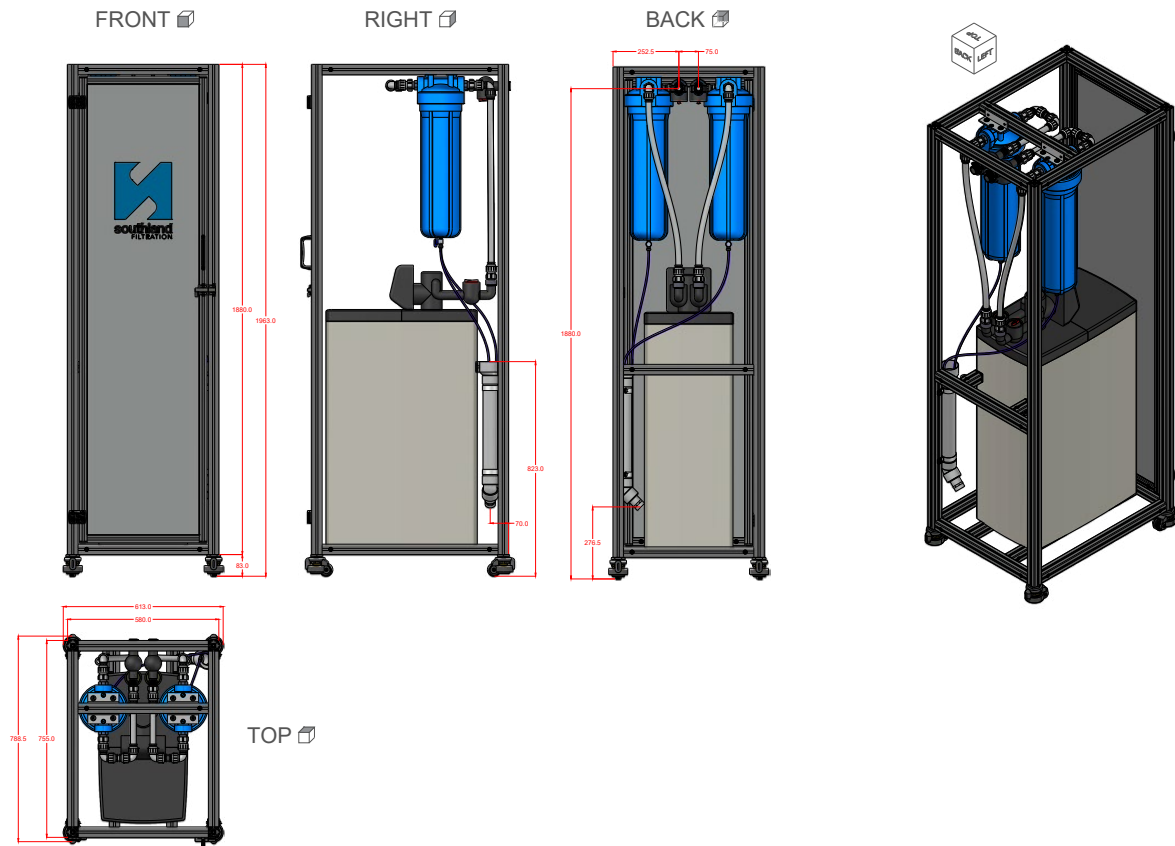
UNIT SPECIFICATIONS

Distribution pump (l/min)	-
Permeate Rate at 15°C (l/h)	-
Storage tank volume (L)	-
Delivery Temperature (°C)	Ambient
Max Ringmain Length (m)	-
Maintenance Access	500mm x 1800mm
Noise Level (dB)	-
Power Supply	10amp GPO
Ringmain Connection	-
Inlet Connection	1" inlet / 1" outlet
Drainage Requirement	2" PVC connection

CONSUMABLES & ACCESSORIES

Part Number	Description	Typical Annual Requirement (M/A)w
S15151002	SKAN Polyspun Sediment Filter Cartridge, Large Diameter 20"x4.5", 5 micron	Dependant on Feed water quality
S15403002	SKAN Carbon Block Filter Cartridge 20"x4.5", Large Diameter, 10 micron	Dependant on Feed water quality
SALT15-BAG	Softener Salt, 15kg Bag	Dependant on Feed water quality

PLANS/DRAWINGS



Disclaimer. Southland Filtration reserves the right to, at any time change any details of design, specifications and performance figures of any published data.

Freecall 1800 656 771
southlandfiltration.com.au

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