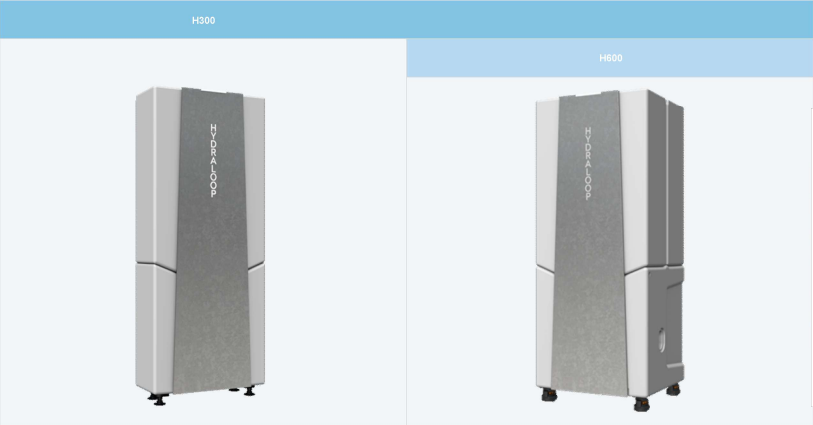


HYDRALOOP

Hydraloop Recyclers

Hydraloop is an IoT-enabled, decentralized greywater recycling system for homes and buildings that reduces potable water demand without compromising hygiene or comfort. Using a patented treatment process without filters, membranes, or chemicals, it treats lightly contaminated greywater for safe non-potable reuse in toilets, laundry, and irrigation. Lowering both tap water consumption and wastewater discharge.

Abbreviations
WM = Washing Machine
WC = Water Closet
AUX = Auxiliary



Distribution Pump Performance		Water Connections			
Pressure	Flow rate	Toilet	WM	AUX	Backup
2.4 bar (240 kPa)	up to 8 L/min	1/2" BSP*	1/2" BSP*	1/2" BSP**	1/2" BSP*
2.4 bar (240 kPa)	up to 8 L/min	1/2" BSP*	1/2" BSP*	1/2" BSP**	1/2" BSP*
* Permanently pressurized					
** Pressurized to external tank when T3 >85% filled					

Features		Details	
1. General	Certifications	NSF/ANSI 350R / IAPMO R&T / EN-16941-2	
	Greywater Influent Sources	Shower, Bath	Shower, Bath, Handbasin*, Condensate Drain*
	Non-Potable Water Reuse	up to 45%*	
	Reuse Applications	WC, WM, or AUX*	
	Colour	Ivory	
	Front Plate	Galvanised steel* with top status light	
2. Backup Water & Backflow prevention	Installation Location	Inside Building's Thermal Envelope	
	Backup Water Requirement	Permanently pressurized ≥12 L/min	
	Backflow Prevention Backup Water	AB class safe air gap (T4)	
3. Technical Specifications	Backup Water Source	Mains tap water, rainwater, well water	
	Effective Cleaning volume	130 liters	260 liters
	Effective Storage Volume	100 liters	200 liters
	Inlet Diameter	40 mm O.D.	40 mm O.D.
	Required Drainage Connection	110 mm	
	Voltage (Frequency)	110-120V AC (50-60 Hz) or 220-240V AC (50-60 Hz) 24V DC internal	
	Average Power Consumption	220 kWh/year (25 W during treatment)	460 kWh/year (50 W during treatment)
	Internet Connectivity	Ethernet (RJ45) or 2.4 GHz Wi-Fi (WPA/WPA2 compatible)	
	Wi-Fi Router Distance	> 1 m	
	Required Service Space	600 mm in front	A-side 600 mm, B-side 600 mm
4. Dimensions & Weight	Ambient Temperature	14 - 35 °C	
	Width	800 mm	800 mm
	Depth	360 mm	695 mm
	Height	1870 mm (excluding inlet) Height adjustable legs + 20 mm / - 10 mm	1892 mm (excluding inlet)
	Dry Weight	83.5 kg	128 kg
	Wet Weight	384 kg	740 kg
	Air Pump	29 dB(A)	
	Distribution Pump	29 dB(A)	
5. Acoustic Specifications	Greywater Inflow	49 dB(A)	
	Backup Water Filling	48 dB(A)	
	Inlet Diverter	50 dB(A)	
	Self-Cleaning Cycle	50 dB(A)	
	Hydraloop Treated Water Test Results		
BOD5		< 10 mg/L	
TSS		< 10 mg/L	
Turbidity		< 5 NTU	
E.coli		< 14 MPN/100mL	
Ph		6.0 - 9.0 SU	
		Hydraloop delivers NSF/ANSI 350 R certified recycled water.	