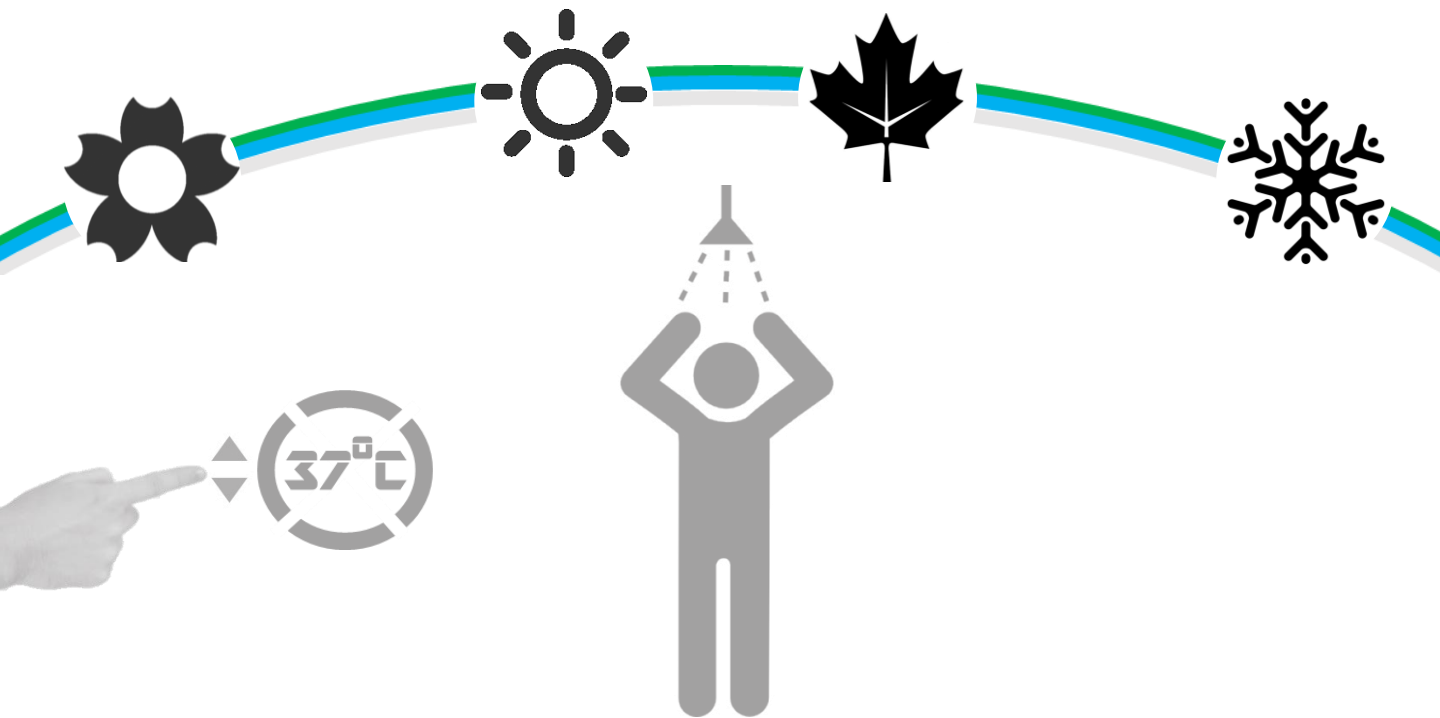


LW EQUIPMENT

Optimized Water Conditioning System
Features & technical specifications



Optimized Water Conditioning System (OWCS)



Spring, summer, autumn or winter... enjoy conditioned water at the temperature you set, all 365 days of the year... and forget the mixing.

Salient Features

The Optimized Water Conditioning System (OWCS) has been developed after years of intense engineering and R&D in the bath and wellness space. Through this patented technology, we aim to remodel the current concept of a home shower. Some of the capabilities and utilities of the OWCS are noted below:



Set your preferred temperature

On the machine mounted digital control panel; set the temperature of water as you like – a one time task. Now the power heating / cooling systems will take over.



Mineral water for your bath

The OWCS can be equipped with an RO system to give you conditioned mineral water for your bath. Your bath is hence transformed into hydro and balneotherapy.



Constant and uninterrupted water pressure

The water is pressurized to soak you completely when you turn the faucet. Can be connected to UPS/inverter to let you have a break free bath even if there's a power outage.



Real time performance

Traditionally, you have to wait for cold water to flush through the pipe before you can enjoy hot water. Not anymore. Water flows through to you at your command, real time. No lags or delays*.

**subject to installation. Elaborated in the Installation Specifications section of this brochure.*

Optimized Technology

Over the years, we identified deficiencies in traditional plumbing systems and tried to address the issues through the Optimized Water Conditioning System (OWCS) for effective use of water :



Water conditioned as per specific requirement

The traditional method of conditioning water right at the overhead tank is avoided, conditioning only those water lines which are required. This results in saving water as well as electricity.



Energy Efficient Technology

The technology has been fine tuned to use least amount of electricity for maintaining the optimum temperature of the water which is of $37\pm 5^{\circ}\text{C}$.



Please note: product depicted in the picture is subject to design and engineering change at UW's decision and no set timescale. Dimension and colour of product is subject to project and requirements.

Optimized Technology



Decrease pressure on plumbing lines

When using OWCS, only lines which need to be pressurized are tapped hence reducing unnecessary strain on the plumbing and increasing life of the plumbing ecosystem.



Prevent Heat Loss

The OWCS has a heavy grade thermally insulated tank which prevents heat loss, hence saving cost of re-heating and electricity. The water is conditioned to your preference and minimum electricity is wasted.



One touch Temperature Setting

OWCS automatically maintains the temperature of the water. In effect, the geyser does not have to overheat the water for it to be neutralized with cold water. Hence saving costs of geysers, mixers and electricity.



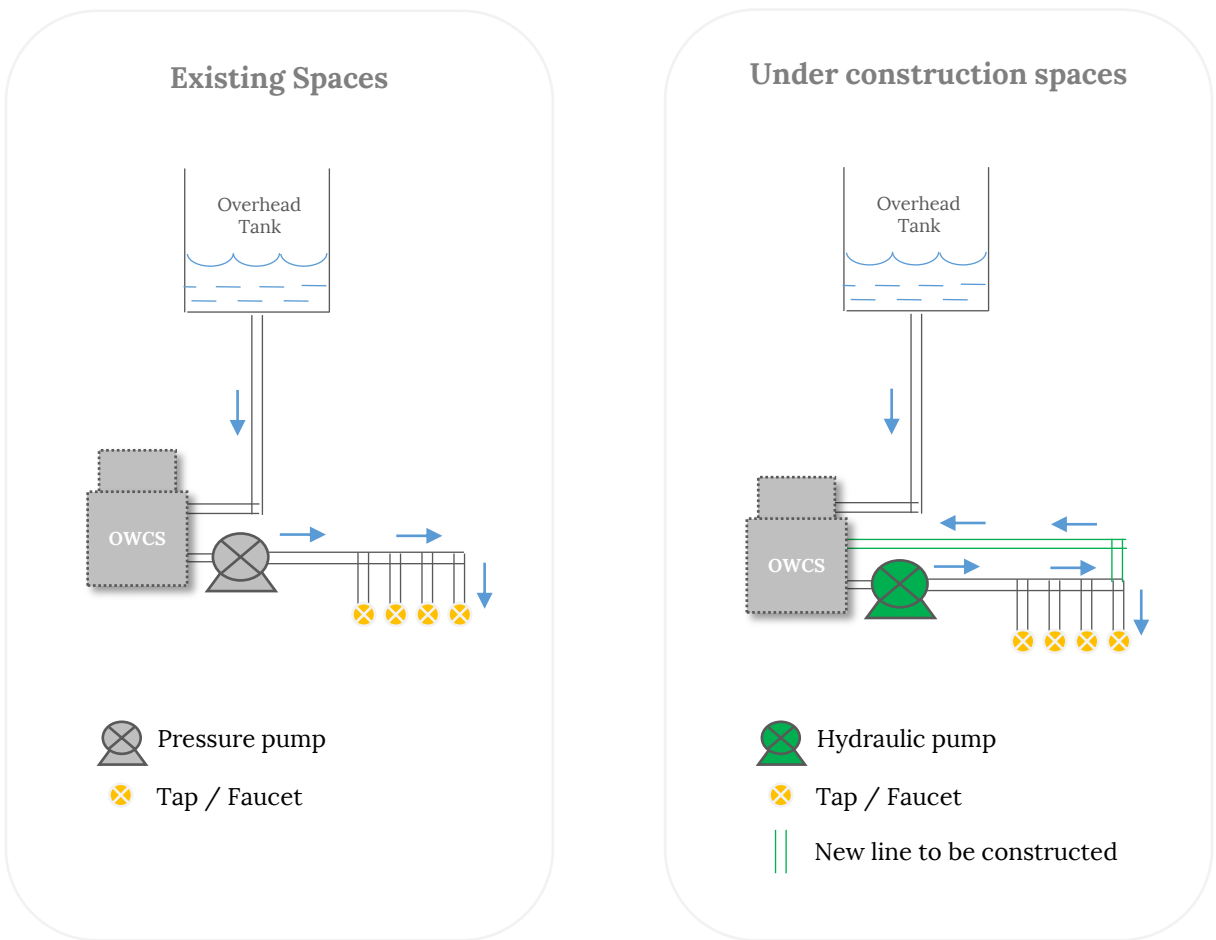
Behind the wall technology

The inbuilt 80L/200L/500L tank gives you ample water for a long bath. The OWCS can be installed overhead, on ground or underground; does not take any area within the bath space.

Installation Specifications

The OWCS is easy to install and maintain. We provide installation as well as one year of monthly check ups free of cost. AMCs can be availed thereafter for a break free experience. We guarantee zero down time.

Installation can be made on under construction (plumbing stage) as well as existing spaces. An indicative diagram of the plumbing is given below:



In existing spaces, a pressure pump is assembled with an NRV (non-return valve). When plumbing lines are added in case of under construction spaces, a hydraulic / pneumatic pump is installed and the water dispensed is at real time without any delays or lags.

Technical Specifications

Utility	Hot or cold water at preset temperature	
Capacity	80 / 200 / 500 Liters*	
Equipment Size/Weight	80L: 24”X32”X24”; 140 Kgs 200L: 24”X44”X24”; 235 Kgs 500L: 48”X44”X30”; 360 Kgs	
Material Used	All stainless steel, thick gauge construction, thermal insulation of 1 inch thickness on six sides of tank	
Power Heating	Included	
Power Cooling	Included	
Temp Range (in degrees Celsius)	30-40 degrees	
Control Panel	Machine mounted with temperature display and setting	
Automation	Circuit run water feeding, filtration, water level, temperature sensing and control	
Hot and Cold Selector Switch	Yes	
Plugins		
Water Pressurizing System	Compatible point built in to machine for pressure boosting system; Pump dry run safety protocol included in circuit	
Recirculation	Compatible, point for plug in to recirculation system	
Back up power	Compatible with UPS/inverter for uninterrupted shower	
Filtration	Compatible to be paired with RO or multimedia filtration	
1 year warranty	Included; AMCs can be availed thereafter	
MEP Specifications	80L	Single / Three Phase 220V / 415V 6 kW (Heating); 0.75 Ton Compressor (Cooling)
	200L	Single / Three Phase 220V / 415V 6 kW (Heating); 1 Ton Compressor (Cooling)
	500L	Single / Three Phase 220V / 415V 12 kW (Heating); 2 Ton Compressor (Cooling)

*capacity is of standard product. Can be altered based on project requirements, tech specs to change accordingly

** Based on ambient conditions

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