

HIGHLIGHTS OF RE-THINK PRODUCTS

The individual effect of frugal usage of fresh water and total combination effect of reuse of grey water, gives our product the strength to be frugal in all aspects of water, power & environment saving.

RE-THINK SHOWER



RE-THINK SHOWER: Designed to save 75% water, 50% power, 75% lower load on Sewage treatment plant without compromising on the bath effect, easy to install, overall size reduction, without the need for overhead storage tank and highly cost effective and a space saver too.

75% WATER SAVING: The regular shower uses anywhere in about 12 LPM of water & 8 minutes is the general duration of shower. So On an average about 80 ~ 100 liters is used per shower. RE-THINK shower uses between 1 to 2.5 liters per minute and consumes about 16 ~ 20 liters for 8 minutes bath. Or say 1 persons water is good for 4.

HEALTH BENEFITS: Oil, shampoo, shikakai, mehendi users can get better cleaning effect in relatively shorter time, which reduces heaviness in head etc after a head shower. This is phenomenon is more common with the females. The

ergonomic design enables user to clean inaccessible areas like the back etc with ease. The droplet size and pressure not only hydrates but also cleans the skin effectively. Therefore the need to rub the skin after bath is avoided, thus reducing skin rashes, reddening etc. Thus RE-THINK showers not only clean well but also take care of the health of the skin in the long run.

NON CLOGGING PATENTED SHOWER HEAD: The conventional showers are blocked in a short period because of hard water. RE-THINK patented design shower system does not block, thus giving the user the same effect all along the usage.

60% POWER SAVING: Reduction in usage of water by 75% leads to lesser cost of heating, transferring, pumping, storing etc. Further RE-THINK shower is equipped with state of the art heating system made from nickel cadmium which is highly power efficient for heating the water, further the body is made of aluminum & magnesium alloy to maximize the heat transfer to the water, which is yet encased in a stainless tube. Thus the water is heated efficiently and yet is not in contact with water thus extending the life of the heater and also the water carrier tube will not corrode or scale even after long usage. Thus RE-THINK showers have the latest heating technology to reduce power consumption and very high service life.

DISPLAY & FEATHER TOUCH CONTROLS: RE-THINK Shower comes with large digital display showing Voltage, Water consumption, Power consumption on real time. Thus displaying flows and quantities used per bath. The feather touch allows the users to set the temperature or pressure etc with relative ease

SAFETY: RE-THINK is manufactured as per The International Electro-technical Commission (IEC) which is a international standard used world over for safety. RE-THINK comes with host of safety features, like auto shut down in the event of dry run (No water) or electrical short circuit thus keeping the equipment and the user safe under all conditions.

COST, SPACE SAVING MODULAR & EASY TO FIT DESIGN: RE-THINK can be fitted by any one in short time without the need for professional plumber. RE-THINK does not need high cost mixers, or extensive plumbing etc thus making a substantial cost saving of about 50%, apart from the time saved. In comparison with the existing systems the pay back for the unit will be less than a year.

EXISTING SYSTEMS AT HOME OR LARGE ESTABLISHMENT : Our system can accept water coming from existing solar or gas or any other system thus reducing the cost of heating for you and yet without compromising on the quality of the bath. RE-THINK can work along with any existing system with relative ease and yet make substantial saving on water and power.

PRODUCT LIFE SPAN: Our product has been designed as per industrial standards and can comfortably operate for more than 10 years very comfortably.

PAY BACK: The unit cost will pay back in a short span of time in terms of cost of water, power and the savings in terms of environment is unimaginable.

POLLUTION: Use lesser water means, pollution load on the sewage treatment plant is reduce by nearly 75%.

BOOSTER PUMP: Not required as our system is fully automatic with built in pressure booster.



FITMENT FOR FAUCET FOR HAND WASH: RE-THINK patented design fitment for water faucet will save 96 to 98 % of water which being used for washing our hands or plates etc. Conventional taps use anywhere between 4 to 6 liters of water per minute. Whereas RE-THINK fitments to your existing taps will use about 0.300 milliliter of water per minute.

That is to say anywhere about 40 people can wash their hand in the same quantity of water in comparison with a conventional single hand wash without compromising of the wash.

NON CLOGGING PATENTED FITMENT: The conventional fitments are blocked in short period because of hard water. RE-THINK patented design fitments do not block, thus giving the user the same effect all along the usage.

ORAL FLOSSING: Dental flossing system with independent jet ejector for cleaning the teeth and mouth system is in built which is interchangeable for any number of users in the family. Used for mouth and dental hygiene for the entire family at negligible cost.

COLLECTION UNIT: Once fresh water is used for hand wash or bathing, the water is converted to grey water, which is automatically collected and kept ready for usage for flushing. Therefore the flush system will not use any fresh water with our product.

POWER SAVING: By reducing the amount of water used, the power utilized for pumping, storing etc are considerably reduce. Thus reducing the power cost to an minimum of 60%.

OTHER SOURCE OF GREY WATER FROM WASHING MACHINE ETC: Provision to connect such sources for reuse to flush.

BOOSTER PUMP: Not required as our system is fully automatic with built in pressure booster.

Comparative Chart of Savings in Combination Usage

Save Water, Power & Environment. A total solution for the bathroom.

Water Flow rates Comparison					
Fittings	General	Good	Very good	Excellent	Origins Ultimate – Rethink Product
Shower Head	12 ~ 16 LPM	7 ~ 9 LPM	5~ 7 LPM	> 5 LPM	1 ~ 2.5 LPM Average 1.75 LPM
Basin Taps	6 LPM	4 ~ 6 LPM	2 ~ 4 LPM	> 2 LPM	0.300 LPM (300 Milliliters per minute)
Flushing Cistern Full Flush	8 ~ 12 Liters	4 ~ 5 Liters	3.5~ 4 Liters	> 3.5 Liters	ZERO FRESH WATER – Grey water from Shower & Taps collected automatically & delivered by gravity without any interconnection by cables between the units thus giving freedom to place the fixtures as per architects / personal needs.
Flushing Cistern Half Flush	5 Liters	3 ~ 5 Liters	2.5 ~ 3 Liters	> 2.5 Liters	

The other current area of our interest is to reduce the per capita consumption of water used for bath, hand wash & flush by all of us every day. Today on an average, a person uses about 200 ~ 250 litres of fresh water per day. We have been able to reduce fresh water consumption to > 25 liters per day per person. Thus we have now been able to achieve 75% reduction in consumption of water and about 60% in power consumption and we also reduce pollution by 75%.



IMAGINE EFFECT OF THE WHOLE WORLD USING SUCH PRODUCT.

Sr. No.	Type of Application	Conventional Models	Our Patented Model	Savings
1	Instant Electric Shower			
	Fresh Water	Uses 10~12 LPM	Uses 1~2.5 LPM	75% Average
	Power	More	Less	50% Average
	Grey Water after bath	Generates more	Generates less	75% Average
2	Hand Wash			
	Fresh Water	Uses 4~6 LPM	Less than 0.3 LPM	98% Average
	Power	More	Less	50% Average
	Grey Water after wash	Generates more	Generates less	90% Average
3	Flush for Toilets			
	Fresh Water	Uses 12~16 liters	No fresh water. Only grey water used	100% Saving
	Power for distribution of water	More	Less	90% Average
4	Effluent Treatment Costs	More	Less	80% Average

Earth has the time to rejuvenate, it might take a few million years to do so, but humanity does not have the luxury of time.

It has been said that the next war will be for water. So let's avert this war and save humanity.

Chart For 100,000 Person Per Day



An average chart for **100,000 (Hundred thousand) person per day** is depicted below:-

Water	Duration	Current	Total	Re-think	Total	Saving
Shower	8 Minutes	9 LPM	72 Liters	1.75 Liters	14 Liters	58 Liters
Hand Wash	10 Minute	6 LPM	60 Liters	0.300 Liters	3 Liters	47 Liters
Flush Full	2 Times	8 Liters	16 Liters	*ZERO	ZERO	16 Liters
Half Flush	4 Times	4 Liters	16 Liters	*ZERO	ZERO	16 Liters
Total			164 Liters		17 Liters	137 Liters
Ratio of Savings 1 : 8						

***The grey waters is reused for flush, hence its termed as zero consumption of fresh water.**

Power: As the consumption of water is reduced so is the power required for filtration, desalination, pumping storing etc is also reduce not only for the user but also for the providing local bodies or the government. Considering even ½ unit per person it would translate to **50,000** units saved everyday.

Fresh water: The 137 liters of water saved per person means about **13,700,000 per day** will be available for others & for applications like agriculture etc.

Environment: The pollution in terms of grey / black water from our bathroom is reduced from 8 : 1 from every individual house. Therefore load on sewage system, treatment plants, power & the capital cost are reduced dramatically.

All the above figures are calculated as average for 100,000 persons usage on daily basis.