



Expert

MOD600

Advanced Direct Flow
Reverse Osmosis
Water Filtration
System with
Auto-Flush



**Direct Flow
R.O. PROCESS:**
Get Fresh
Filtered Water
in No Time

New Technology: Direct Flow R.O. Filtration in Real Time, No Storage Tank Required
Pure Advantage: Sustained Water Flow and Distinct Freshness of Water
Unbeaten Efficiency: Up to Three Times Less Water Waste per Gallon of Filtered Water*

www.prio.pro

About R.O. Filtration

Reverse osmosis is currently the most advanced yet natural method of water purification. Semi-permeable membrane allows only water to pass through and rejects everything else.

R.O. treated water is free from chlorine, heavy metals, other dissolved solids and ions, bacteria and viruses. This water is safe and refreshing, requires no boiling and is a good choice for all kinds of use including newborn baby feeding.

Make no mistake, this osmosis process is as much natural as it can be since it's essentially the same as the one in every living cell on Earth. Cell membrane allows only what it needs to get through and rejects everything foreign.

These days the human genius reproduced this natural process in a highly sophisticated nanotechnology device right at your sink.

No magic, no unproven claims – just pure science! Reverse osmosis is used everywhere when real clean water is needed, not claims: from pharmaceutical production to space station water supply, from multi-million population area municipal water desalination plants to marine ship rescue kits.



Beyond Bottled Water Quality

Expert MOD600 direct flow reverse osmosis system delivers virtually unlimited amount of safe, clean and delicious water right at your sink, every day. Take water off your grocery list!

Great for drinking, ice makers, beverages, coffee & tea, food preparation & cooking, sports, etc.

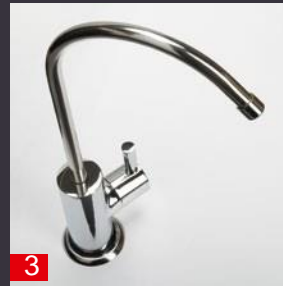
This R.O. system removes odor and most harmful substances such as heavy metal ions and total dissolved solids from tap water making it tasty, fresh and vital. It delivers a pure, refreshing experience with no aftertaste of heavy metals, limescale or chlorine.





Key Features

- Clean and safe drinking water right at your sink. No need to transport and dispose of bottled water any more.
- Factory-preinstalled filters and membrane for faster and easier setup.
- Compact and beautiful design.
- Automatic flush prevents the scale and debris buildup on the membrane outer surface: for peak performance and healthier membrane.
- Powerful booster pump increases pressure to radically improve the performance and effectiveness of the R.O. unit in all three key areas: increases filtered water flow (production rate), increases rejection rate (improves water purification quality), increases recovery rate (decreases amount of waste water).
- Fully automatic operation: just open the faucet and get clean water instantly; automatic shut off and flush.
- LED indicators: easily understand what the state of your R.O. machine is.
- Split, flexible installation possible where needed: install the pump box up to 50 feet away from the R.O. unit itself. Useful for the situations like lack of space or lack of electrical outlet under the sink.
- Idling protection: if you forget to close the filtered water faucet for a long time the pump will shut down automatically for you.
- Especially useful after whole house softeners to remove excessive sodium from the ion exchange resin-treated water.



- 1 No mess, quick and easy filter change: for easy regular maintenance
- 2 Quick fittings everywhere for easy tube connections
- 3 Designer Faucet Included
- 4 Advanced Prio® Jet Pump Box Included

Direct Flow Reverse Osmosis Benefits:

- Freshness of water filtered in real time. No more stale water from a tank.
- Space-saving, compact installation since tank is not needed.
- Better water purification quality due to improved contaminant rejection rate.
- Saves you money and Planet Earth's water resources! Typically, up to three times less water is wasted per gallon of filtered water, compared to the traditional tank and water storage systems, this is due to the much higher efficiency rate.
- Virtually unlimited filtered water production. While conventional systems with tanks are limited by the tank capacity, and require prolonged timeouts to refill the tank, a direct flow system is limited by the membrane filtration rate only.
- Lower cost of ownership due to prolonged service life of pre-filters and membrane, what is in turn a result of higher efficiency rate: less

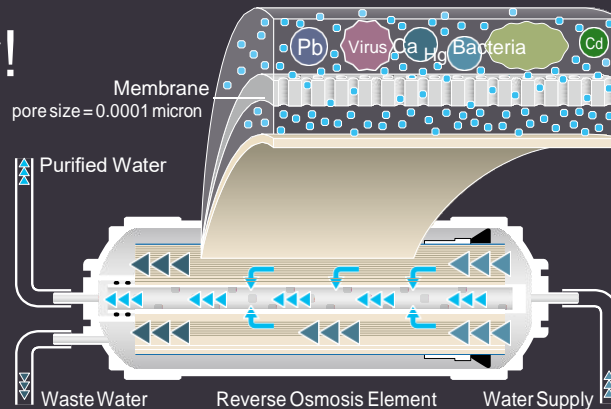
water is treated overall by pre-filters and the membrane for each gallon of permeate produced. This saves the capacity of pre-filters and ensures either less frequent change necessity or better purification.

- Less number of components leads to better reliability and easier servicing.



Like New Every Day!

Unlike multi-stage in-line filters with cartridges the reverse osmosis system does not absorb and keep dirt inside. The membrane separates clean water from dissolved solids and other rejected particles that go down the drain. Thus, R.O. system is "like new" every day! It remains clean and delivers safe purified water without the risk of its secondary contamination.



What Makes It Special

- Direct flow system for instantly available, high and sustained flow of filtered water
- Waste water saving - saves tons of waste water a year as compared to conventional systems
- High production membrane element (400gpd) to further minimize the cost of ownership
- True R.O. high rejection rate membrane of genuine Toray sheet made in Japan
- Safe, quick and easy filter change due to separation of all electrical components from the user serviceable filtration unit
- No-inlet-water protection
- A number of optional post-filters available: with carbon, with re-mineralization, with alkalization, with catalytic natural anti-bacterial schungite mineral for water conditioning and taste improvement
- Suitable for commercial applications (small restaurants, hotels, etc.)

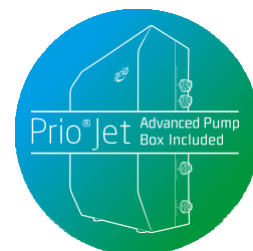


World's First Filtration Split System

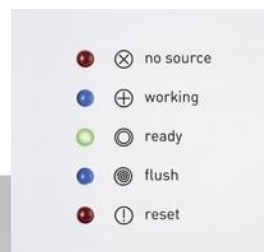
This filtration system consists of two units: the innovative digital control unit with LED indicators, auto-flush and powerful booster pump, and the R.O. filtration unit with high-production R.O. membrane and filters.

Together, they provide direct flow capability of water filtration in real time, eliminating the need of a water tank usually found on conventional systems, flexible installation, safety and ease of maintenance.

Patent pending.



LED Indicators



Multi Stage Filtration System

- 5-micron sediment poly block pre-filter to filter suspended particles such as dirt, sand, rust, etc.
- Carbon block to reduce free chlorine, chloramines, chlorine taste and odor.
- High-production 400gpd R.O. membrane element to reduce dissolved solids, metal ions, bacteria and viruses, and other suspended particles as small as 0.0001 micron.
- Two-stage water conditioning combo post-filter.



K871
5µm Sediment PolyBlock Pre-Filter

Effective reduction of:

- rust, dirts, sand and sediment
- other contaminants*



K858
High-Production (400gpd)
R.O. Membrane Element

Effective reduction of:

- suspended solids
- dissolved ions
- bacteria and viruses
- other contaminants*



K870
Coconut Carbon Block Pre-Filter

Effective reduction of:

- dirts, sand and sediment
- taste and odor, including chlorine taste and odor
- other contaminants*



K880
Coconut Carbon Block
and Remineralization
Water Conditioning Post-Filter

- improves taste and removes odor, remineralizes water*

Set Includes:

- Advanced Booster Pump Box Unit with Auto-Flush
- Multi-Stage Filtration Unit with High-Production R.O. Membrane
- Designer Faucet
- Installation Kit



Install in Five Easy Steps*

1 Position the System.

This system naturally mounts under the kitchen sink but also can be installed near other points-of-use: in a cellar, garage or utility room. The unique feature of the system is a possible “split-installation”: install the pump box unit up to 50 feet away from the R.O. unit itself. You may place both units under your kitchen sink, or you may place the R.O. filtration unit under the kitchen sink near the faucet, and the pump box unit in a bathroom near the electrical outlet, cold water supply and drain pipes.

2 Install Adapter Ball Valve to Feed Water to the System.

3 Install the Filtered Water Faucet.

It can be installed in an existing hole of soap dispenser or watersprayer, or in a new hole in the sink or deck. An available on the market combotap with built-in waterway for filtered water can also be used.

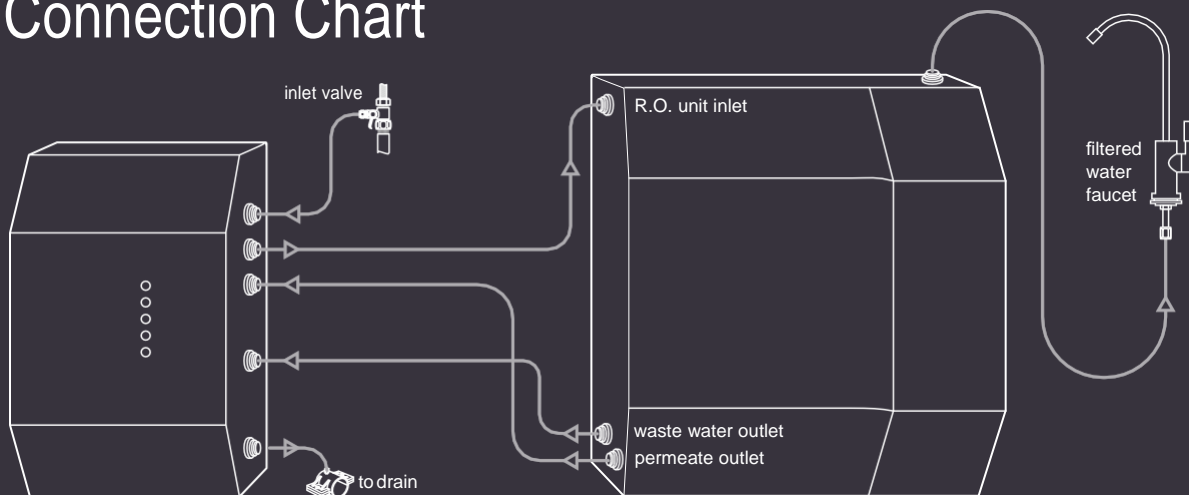
4 Install Drain Saddle on the Drain Pipe.

5 Connect the Tubes and Start Up.

All internal tubes are already factory pre-installed. You only need to connect few external tubes, such as water supply, faucet and drain tubes by following the enclosed chart.

Then turn on the system, make quick initial washing and start enjoying safe, clean and tasty water.

Connection Chart



Tip: Use an optional Y-fitting on the clean water line to get crystal clear water at a second point-of-use (such as an ice maker in your fridge)



Innovative digitally controlled unit ensures fully automatic operation: just open and close the faucet and everything else will be performed automatically. Get your filtered water instantly anytime.

Performance Comparison to Recover 1 Gallon of Permeate

Expert MOD600 direct flow R.O. system saves you tons of waste water a year due to high efficiency rate. Refer to the detailed comparison below to see how this system saves money on your utility bill.

	Conventional Tank R.O. System, No Pump	Conventional Tank R.O. System, with Pump	Conventional Tank R.O. System, with Pump, with Autoflush	Direct Flow Prio® MOD600 Tankless R.O. System	Legend
Membrane Production Rating	50GPD	50GPD	50GPD	400GPD	higher is better
Permeate Flow ¹ , ml/min	80	140	140	900	higher is better
Flow Restrictor, ml/min	300	300	300	440	neutral
Instant Recovery Rate	21.0%	31.8%	31.8%	67.2%	higher is better
Time to Recover 1 G, s	2839	1622	1622	252	lower is better
Autoflush Time, s	0	0	18	18	neutral
Flush Flow, ml/min	0	0	1800	2200	neutral
Drain During Recovery, G	3.75	2.14	2.14	0.49	lower is better
Drain During Autoflush, G	0.00	0.00	0.14	0.17	neutral
Total Drain, G	3.75	2.14	2.29	0.66	lower is better
Drain to Permeate Ratio as Compared to That of MOD600	5.65	3.23	3.45	1.00	lower is better
Efficiency Rate ¹	21.1%	31.8%	30.4%	60.1%	higher is better
Rejection Rate ² , typical	90%	92%	92%	95%	higher is better

¹ For a conventional system with a tank the permeate flow is not constant and decreases gradually due to increasing back-pressure from an air-pressurized tank during each tank refill cycle. Actual efficiency rate for these systems often is even worse than indicated here. For direct flow system permeate flow is steady.

² For a conventional system, especially w/o pump, the rejection rate can be particularly worse than indicated here due to the use of LP or ULP membranes optimized for low inlet pressure environments and back pressure from a tank by sacrificing the rejection rate performance. In contrast, the MOD600 system uses the true no-compromise R.O. high rejection rate membrane because it's equipped with the powerful high-pressure pump and doesn't suffer from a tank back pressure.

* See the manual for conditions of use, important safety information and detailed installation instructions before use.

About the Brand

Prio® is a trade mark of household water filters designed and marketed by DWT Deutsche Wassertechnologien GmbH, Germany. We are known under Prio® brand name on Western Europe and American markets, and under HB Water Filters brand name on Eastern Europe.

Established back in 1996, HB/Prio® is currently the leading international manufacturer of various, from small to mid-size, originally designed, drinking water treatment systems. Due to so much experience in marketing of this kind of product we are now able to provide our customers with the best value for money water filters found on the market. Large scale production is possible due to strong manufacturing and engineering abilities provided by own ISO 9001 and ISO 14001 certified manufacturing facility.

We are the Water Quality Association (WQA) member since 2006. We hold dozens of US, EU, etc. patents and patent applications in our field of expertise.

Available at
amazon

Prio, Prio logo are registered trade marks of DWT Deutsche Wassertechnologien GmbH, Germany. As used herein, ® denotes registered trademark status in Germany.

Copyright © DWT Deutsche Wassertechnologien GmbH, Germany, 2018

HB/Prio® product line includes all modern types of household water filters, from pitchers, in-line sediment filters to innovative electronically controlled reverse osmosis systems, and various filter cartridges. All our products are proprietary designed water filters that combine industry's best practices, parts and media with originally designed technologies.

Our products are exported to the EU, US, Japan, Indonesia, Ukraine, etc. We are also the supplier of water filters, including privately labelled ones, for chain stores Leroy Merlin, Auchan, Castorama, etc.

HB/Prio® is the well-known regular exhibitor and participant of professional water shows and exhibitions like Aquatech Amsterdam, WQA Aquatech USA, Aquatech India, Aquatech Shanghai, etc.

Your Distributor:

Contact Information:

E-mail: info@prio.pro | Web: www.prio.pro

