

Technical Data Sheet

Nova Pro Direct Flow – 9 Stage Filtration System

Key features

- Direct flow under-counter reverse osmosis system
- 9 stage filtration system (7 independent filters)
- Tankless system
- Ideal for large households or if your water pressure is low
- High pressure pump included
- Output of 1200 litres each day
- 2.5" x 12" in-line pre-filters (total of 7 filters)
- Set and track filter lifetime
- Cut off water and/or sound alarm
- In-line 7/24 TDS measurement
- Automatic leak detection
- Re-mineralizes water post filtration

Properties	Description
Pre-filters	2.5" x 12" In-Line
Membrane	80 GPD TFC 98.5% Min Avg. Rejection
Faucet	Mini Euro Design Chrome Faucet
Pump	24 VDC 80 GPD Booster
Digital Controller	Integrated Circuit (IC) / Digital Display
Certifications	CE, ISO, ECI, TSE, HYB, SSHYB

Technical Specifications

- System capacity: 50 litres / hour @ 5 Bar (0.5 – 2 litres per minute depending on pressure)
- Incoming pressure: 2.5 Bar Min
- Incoming TDS: 600 PPM Max
- Electricity: 100 – 240 VAC / 50-60 Hz
- Pumped system

Parameter	Value
Electricity	100 - 240 VAC / 50-60 Hz
Feed Water Pressure	2.5 Bar Min. - 6 Bar Max.
Feed Water Temperature	4 - 40 oC
Feed Water Connection	1/2" NPT or 3/8" NPT
System Dimensions (LxWxH)	39 cm x 27 cm x 47 cm
System Weight	12 KG



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Filter specifications

Filter	Type	Description
1	5 micron antibacterial sediment	Pre-filter infused with Zinc nanoparticles to remove sediment and kill bacteria
2	Coconut shell GAC carbon	Pre-filter to remove chlorine, chemicals and improve taste/odor
3	Coconut shell CTO block carbon	Pre-filter to remove chlorine, chemicals and improve taste/odor
4	First Reverse Osmosis 400 GPD membrane	RO semi-permeable membrane with 0.1 nano-meter sized pores. These pores can remove hundreds of thousands of different types of chemicals and compounds and 99.99% of microorganisms
5	Second Reverse Osmosis 400 GPD membrane (total 800 GPD)	RO semi-permeable membrane with 0.1 nano-meter sized pores. These pores can remove hundreds of thousands of different types of chemicals and compounds and 99.99% of microorganisms
6	Biocera (1): Mineral filter (anti-aging) & detox filter (anti-toxin)	<p>The mineral filter is composed of 100% natural Maifan and Bentonite minerals</p> <p>The detox filter is composed of active ceramic taormine balls which form a 2 micrometer wavelength electromagnetic field (far infrared-red ray – FIR) along the water passageway. As the water passes through the filter, the FIR field will help in breaking up the water molecules</p>
7	Biocera (2): Oxygen filter (anti-oxidant) & alkaline filter (pH)	<p>The oxygen filter is composed from magnesium coated ceramic balls and activated granular coconut shell carbon</p> <p>The alkaline filter uses 100% naturally occurring minerals like magnesium, sodium and potassium to increase the water pH</p>



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Reverse Osmosis rejection rates (PPM)

Average Reverse Osmosis rejection rates (PPM)			
Aluminum	97-98%	Nickel	97-99%
Ammonium	85-95%	Nitrate	93-96%
Arsenic	94-96%	Phosphate	99+%
Bacteria	99+%	Polyphosphate	98-99%
Bicarbonate	95-96%	Potassium	92%
Boron	50-70%	Pyrogen	99+%
Bromide	93-96%	Radioactivity	95-98%
Cadmium	96-98%	Radium	97%
Calcium	96-98%	Selenium	97%
Chloride	94-95%	Silica	85-90%
Chromate	90-98%	Silicate	95-97%
Chromium	96-98%	Silver	95-97%
Copper	97-99%	Sodium	92-98%
Cyanide	90-95%	Sulphate	99+%
Ferrocyanide	98-99%	Sulphite	96-98%
Fluoride	94-96%	Zinc	98-99%
Iron	98-99%	Lead	96-98%
Insecticides	97%	Magnesium	96-98%
Detergents	97%	Manganese	96-98%
Herbicides	97%	Mercury	96-98%
Viruses	99+%	TDS	95-99%



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homespring





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