

## Technical Data Sheet

### Nova Pro Direct Flow: 9 Stage Filtration System

#### Key features

- Direct flow under-counter reverse osmosis system
- 9 stage filtration system
- 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 9 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
<b>Pre-filters</b>	2.5" x 12" In-Line
<b>Membrane</b>	80 GPD TFC 98.5% Min Avg. Rejection
<b>Faucet</b>	Mini Euro Design Chrome Faucet
<b>Pump</b>	24 VDC 80 GPD Booster
<b>Digital Controller</b>	Integrated Circuit (IC) / Digital Display
<b>Certifications</b>	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
<b>Electricity</b>	100 - 240 VAC / 50-60 Hz
<b>Feed Water Pressure</b>	2.5 Bar Min. - 6 Bar Max.
<b>Feed Water Temperature</b>	4 - 40 oC
<b>Feed Water Connection</b>	1/2" NPT or 3/8" NPT
<b>System Dimensions (LxWxH)</b>	39 cm x 27 cm x 47 cm
<b>System Weight</b>	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	Mineral filter (anti-aging)	The mineral filter is composed of 100% natural Maifan and Bentonite minerals
7	Detox filter (anti-toxin)	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
8	Oxygen filter (anti-oxidant)	The oxygen filter is composed from magnesium coated ceramic balls and activated granular coconut shell carbon
9	Alkaline filter (pH)	The alkaline filter uses 100% naturally occurring minerals like magnesium, sodium and potassium to increase the water pH



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Reverse Osmosis rejection rates (PPM)

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



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### Company Information

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