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WE DELIVER WATER



# PRODUCT PORTFOLIO

JULY 2016

References

VEOLIA WATER TECHNOLOGIES

SWEDISH DEFENSE

DANISH EMERGENCY MGMT AGENCY

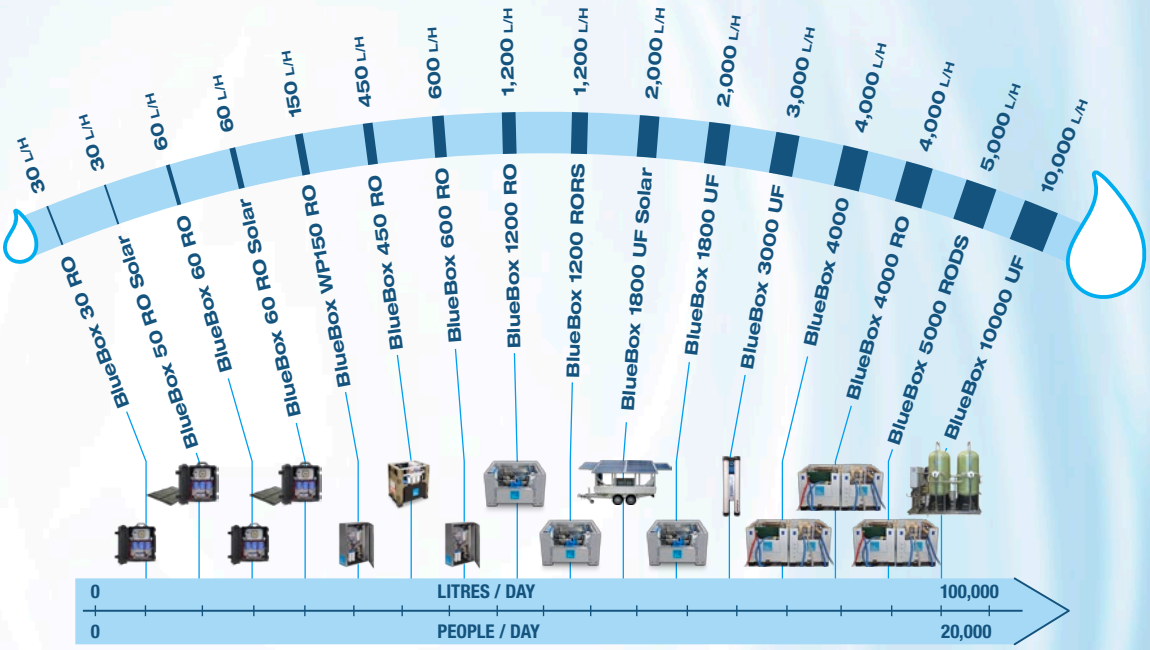
NORWEGIAN CIVIL DEFENSE

NORWEGIAN ARMED FORCES

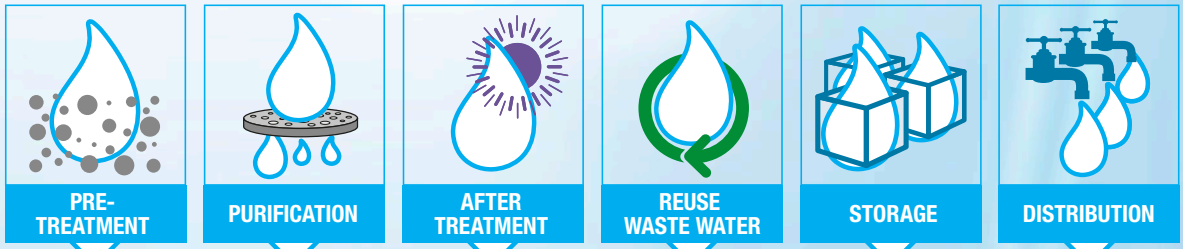
THE UNITED NATIONS CHILDREN'S FUND

WHO - THE WORLD HEALTH ORGANIZATION

# Technology/Litres




# Water flow



| PRE-TREATMENT | PURIFICATION | AFTER TREATMENT | REUSE WASTE WATER | STORAGE | DISTRIBUTION |
|---|---|---|---|---|---|
| Sand<br>Sieve<br>Micro | Nano<br>UV<br>UF<br>RO | UV & UV-Led<br>Chlorination<br>Activated carbon<br>Remineralisation<br>Healthy additives | Re-filtration<br>Non-drinkable water usage | IBC container<br>Onion tanks<br>Bladder tank<br>Mobile or fixed tank storage | Bio degr. bags<br>Bassins<br>Piping / tap<br>Cannisters<br>Jerry cans |

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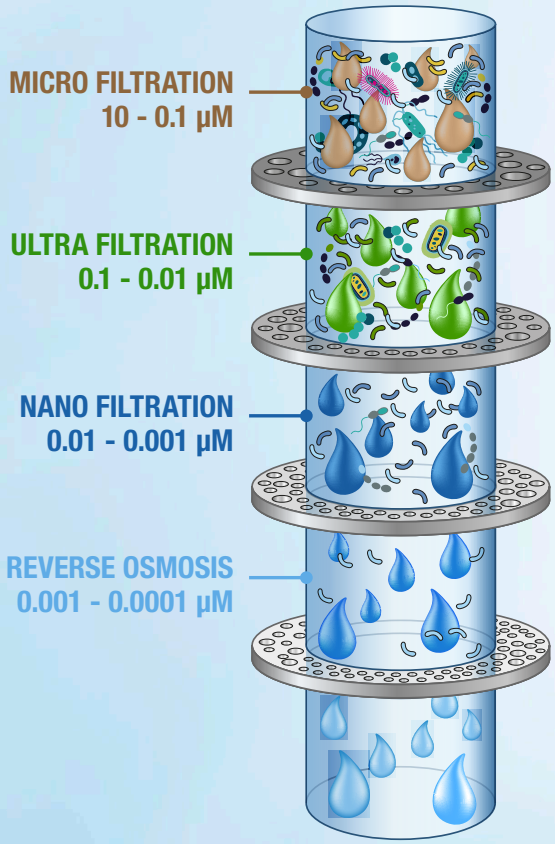
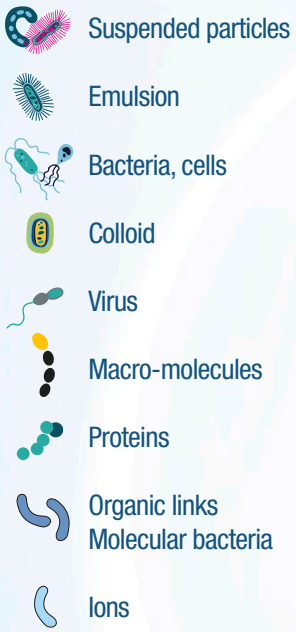
# Portfolio of products

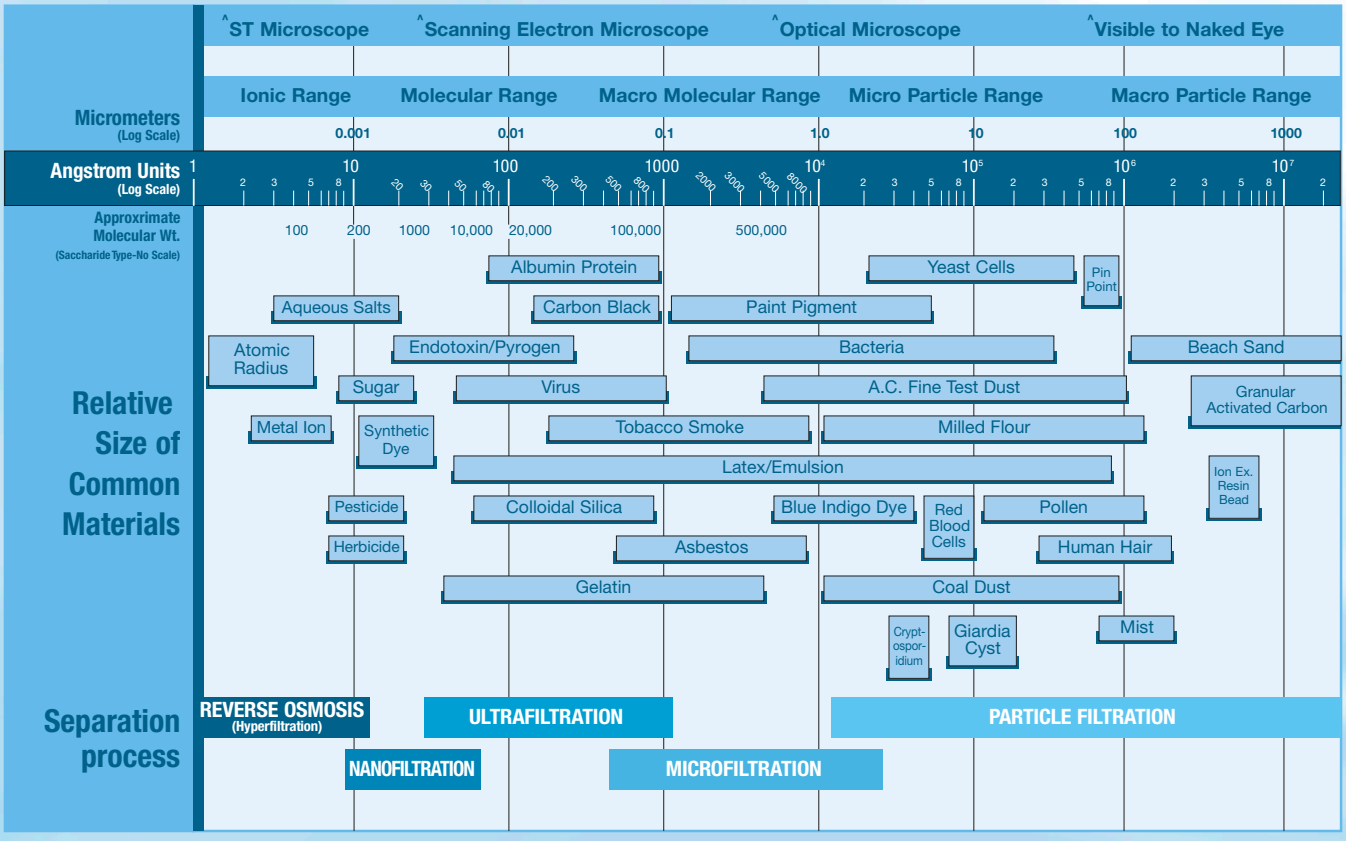


**CLEAN & SAFE WATER TO EVERY MAN, WOMAN & CHILD, ANYWHERE, ANYTIME**

# Water purification explained



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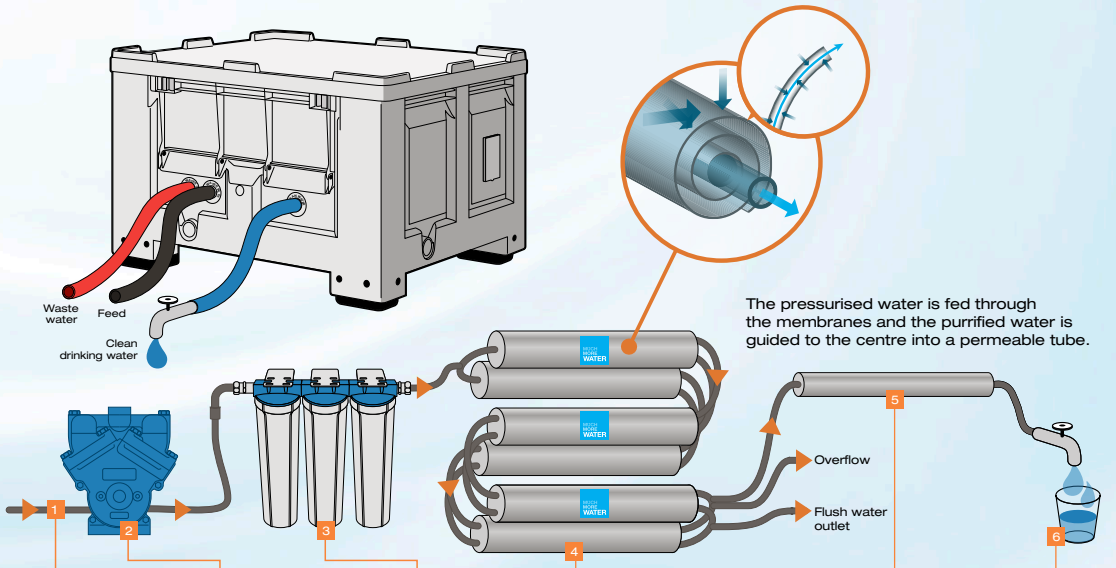
# Reverse Osmosis technology

The membranes remove heavy metals, organic chemicals, bacteria and virus. Reverse osmosis eliminates unwanted contaminants in your drinking water. The unit has two barriers, the Reverse Osmosis membrane and the UV sterilization lamp. The purification process will remove more than 99,5% of all contaminants, organic material, chemicals and pesticides.

Reverse Osmosis is the only technology which can remove heavy metals such as lead, copper, barium, chrome, mercury, cadmium, flour, nitrates, selenium and others. Also arsenic, fluoride, pesticides etc. will be removed.

The pores in the Membranes are smaller than bacteria such as E. coli and the parasites Giardia and Cryptosporidium are hindered from being transported along with the rest of your drinking water.

The BlueBox Reverse osmosis membranes are self cleansing. The UV-sterilizer destroys the DNA and RNA in the bacteria or virus so that your drinking water is as good as sterile, resulting in a water quality superior to WHO standards.




**RAW WATER INLET**
Inlet from lake, river borehole etc.

**PUMP**
The water is pumped through the system with a pressure of approx. 8 bars.

**PRE-FILTRATION**
Three filtration units consisting of 25µ, 5µ and Activated Carbon.

**PURIFICATION**
Reverse Osmosis purification process.

**UV LIGHT**
The water is treated with UV light which kills off micro organisms.

**CLEAN WATER OUTLET**
Purified clean drinking water.

The Reverse Osmosis water purification system is made with the finest grade stainless steel and other non-corrosive materials – we use only the best. The system is fitted with proven superior Reverse Osmosis membranes. This filtration process relies on a very dense membrane through which only water and some low-molecular weight compounds can pass. This means that the feed stream is divided into a permeate containing pure water and the concentrate which contains all dissolved solids.

# BLUEBOX 30 RO

Light mobile Reverse Osmosis water purification unit, mounted in a sturdy case. Provides clean drinking water to up to 30 people in remote areas

The BlueBox Suitcase system is a highly portable drinking water purification unit made for smaller groups and platoons on missions to rural areas, humanitarian catastrophes, and other expeditions.

- Clean drinking water safety exceeding WHO standards
- From any raw water source
- 'Plug & Play' units ready for fast deployment
- Proven concept in more than 20 countries
- Drinking water setup in less than 10 minutes
- Light weight, highly mobile unit
- Easy to operate by unskilled personnel
- Integrated internal battery
- Multiple power solution: Can run on Solar power, External Battery, Power grid

BlueBox 30 RO specifications

| | |
|---|---|
| **Type** | Mobile water purification plant |
| **Raw water** | All fresh water sources with up to 2500 PPM salinity |
| **Application area** | Safe drinking water relief for small camps, disaster zones, expeditions |
| **Capacity, volume** | 30 l/h at +25 °C water temperature |
| **Water quality** | Superior WHO quality: Removes bacteria, virus, from fresh water |
| **Dimensions** | L: 0.65 m, W: 0.50 m, H: 0.4 m. |
| **Weight/Vol** | 27 kg. Vol: 0.13 m³ |
| **Power source** | 220/230 Volt, 50/60 Hz, CEE 16A (standard) Solar power, Generator, Power grid, Integrated battery (12 Volt) |
| **Packaging** | Build into a sturdy, weather resistant plastic box with integrated wheels and handle for easy transport |
| **Purifying filters** | 100+25+5 micron, activated carbon, Reverse Osmosis, UV-light |
| **Pump type** | Self-priming membrane pump |
| **Optional** | Solar panel |

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# Water purification unit

| | | |
|---|---|---|
| BlueBox 30 RO | 100% microbiologic (virus, bacteria)<br>98.9% salts, minerals | 0,7 $m^3$ pd / 250 gpd |
| BlueBox 30 RO w/Solar PV | 100% microbiologic (virus, bacteria)<br>98.9% salts, minerals | 0,7 $m^3$ pd / 250 gpd |

# Optional extras

| | |
|---|---|
| Half year consumables | 6 pc 5" 25 micron / 6 pc 5" 5 micron / 3 pc 5" Active carbon cartridge filers<br>Acid and Base detergent for RO membrane cleaning |
| Spare part package | Pre-filter set, O-rings, UV lamp, UV-glass, 1 pc RO Membrane, Set of FDA approved hoses, RO Cleaning detergent |
| Tools package | Screwdriver, Cartridge wrench, Gloves, Goggles |
| Battery | 12 volt Gel battery |
| Solar Power Soft Panels | 1 x 62 watt panel |
| 110 volt option | Converter |
| Preservation kit | Glycol 5 litres |
| Water test kit | TDS Hydro Tester |
| MMW Academy | Half day training |
| MMW Academy | One day training |

* Based on 12 hour operation per day

# BLUEBOX 60 RO

Light mobile Reverse Osmosis water purification for expeditions

The BlueBox Suitcase system is a highly portable drinking water purification unit made for smaller groups and platoons on missions to rural areas, humanitarian catastrophes, and other expeditions.

- Clean drinking water safety exceeding WHO standards
- From any raw water source
- 'Plug & Play' units ready for fast deployment
- Proven concept in more than 20 countries
- Drinking water setup in less than 10 minutes
- Light weight, highly mobile unit
- Easy to operate by unskilled personnel
- Integrated internal battery
- Multiple power solution: Can run on Solar power, External Battery, Power grid

BlueBox 60 RO specifications

| | |
|---|---|
| **Type** | Mobile water purification plant |
| **Raw water** | All fresh water sources with up to 2500 PPM salinity |
| **Application area** | Safe drinking water relief for small camps, disaster zones, expeditions |
| **Capacity, volume** | 60 l/h at +25 °C water temperature |
| **Water quality** | Superior WHO quality: Removes bacteria, virus, from fresh water |
| **Dimensions** | L: 0.65 m, W: 0.50 m, H: 0.4 m |
| **Weight/Vol** | 28 kg. Vol: 0.13 m³ |
| **Power source** | 220/230 Volt, 50/60 Hz, CEE 16A (standard) Solar power, Generator, Power grid, Integrated battery (12 Volt) |
| **Packaging** | Build into a sturdy, weather resistant plastic box with integrated wheels and handle for easy transport |
| **Purifying filters** | 100+25+5 micron, activated carbon, Reverse Osmosis, UV-light |
| **Pump type** | Self-priming membrane pump |
| **Optional** | Solar panel |

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# Water purification unit

| | | |
|---|---|---|
| BlueBox 60 RO | 100% microbiologic (virus, bacteria)<br>98.9% salts, minerals | 1.1 $m^3$ pd / 300 gpd |
| BlueBox 60 RO w/Solar PV | 100% microbiologic (virus, bacteria)<br>98.9% salts, minerals | 1.1 $m^3$ pd / 300 gpd |

# Optional extras

| | |
|---|---|
| Half year consumables | 6 pc 5" 25 micron / 6 pc 5" 5 micron / 3 pc 5" Active carbon cartridge filers<br>Acid and Base detergent for RO membrane cleaning |
| Spare part package | Pre-filter set, O-rings, UV lamp, UV-glass, 1 pc RO Membrane, Set of FDA approved hoses, RO Cleaning detergent |
| Tools package | Screwdriver, Cartridge wrench, Gloves, Goggles |
| Battery | 12 volt Gel battery |
| Solar Power Soft Panels | 1 x 62 watt panel |
| 110 volt option | Converter |
| Preservation kit | Glycol 5 litres |
| Water test kit | TDS Hydro Tester |
| MMW Academy | Half day training |
| MMW Academy | One day training |

* Based on 12 hour operation per day

# BLUEBOX 150 RO WALL


Compact wall mounted water purification unit in steel cabinet is ideal for public installations.

This unit has a daily capacity of 3600 litres per day, giving 1.5 litres drinking water for 2000 people, or 180 pcs 20 L bottles.

Typical installations:

- Manufacturing facilities
- Hospitals
- Hotels
- Universities
- Schools

Designed for connecting to public grid or rain harvesting system

- Operational right after setup
- Wall-mounted or in-a-box design
- Large Capacity: This design is scalable to larger production needs.

BlueBox 150 RO specifications

| | |
|---|---|
| **Type** | Water purification, wall-mounted |
| **Raw water source** | Public water grid, rain water, prefiltered fresh water. |
| **Application area** | Buildings; hospital, hotel, manufacturing, school/university |
| **Capacity** | 3600 lpd at +25° C. water temperature |
| **Water quality** | Superior WHO quality. Removes arsenic, flouride, pesticides and microorganisms. |
| **Dimensions** | L: 1000 W: 800 H: 400 mm |
| **Weight/Vol** | 85 kg / 0,3m$^3$ |
| **Power source** | 220/230 Volt, 50/60 Hz, |
| **Packaging** | Metal cabinet |
| **Purifying filters** | 25 micron, 2X activated carbon, RO, UV-light |
| **Optional** | Additional pre-filtration, water tanks, setup. |
| **Pump type** | Self-priming membrane pump. |

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# Water purification unit

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| | | |
|---|---|---|
| BlueBox 150 RO, Wall mounted | 100% microbiologic (virus, bacteria)<br>98.9% salts, minerals | 3.6 $m^3$ pd / 950 gpd |

# Optional extras

| | |
|---|---|
| Half year consumables | 6 pc 10” 25 micron / 6 pc 10” 5 micron / 3 pc 10” Active carbon cartridge filers<br>Acid and Base detergent for RO membrane cleaning |
| Spare part package | Pre-filter set, O-rings, UV lamp, UV-glass, 1 pc RO Membrane, Set of FDA approved hoses, RO Cleaning detergent |
| Tools package | Screwdriver, Cartridge wrench, Gloves, Goggles |
| Water test kit | TDS Hydro Tester |
| MMW Academy | Half day training |
| MMW Academy | One day training |

* Based on 12 hour operation per day

# BLUEBOX 300 RO WALL


Compact wall mounted water purification unit in steel cabinet is ideal for public installations.

This unit has a daily capacity of 7200 litres per day, giving 2.0 litres drinking water for 3600 people, or 360 pcs 20 L bottles.

Typical installations:

- Manufacturing facilities
- Hospitals
- Hotels
- Universities
- Schools

Designed for connecting to public grid or rain harvesting system

- Operational right after setup
- Wall-mounted or in-a-box design
- Large Capacity: This design is scalable to larger production needs.

BlueBox 300 RO specifications

| | |
|---|---|
| **Type** | Water purification, wall-mounted |
| **Raw water source** | Public water grid, rain water, prefiltered fresh water. |
| **Application area** | Buildings; hospital, hotel, manufacturing, school/university |
| **Capacity** | 7200 lpd at +25° C. water temperature |
| **Water quality** | Superior WHO quality. Removes arsenic, flouride, pesticides and microorganisms. |
| **Dimensions** | L: 1000 W: 800 H: 400 mm |
| **Weight/Vol** | 90 kg / 0,3m$^3$ |
| **Power source** | 220/230 Volt, 50/60 Hz |
| **Packaging** | Metal cabinet |
| **Purifying filters** | 25 micron, 2X activated carbon, RO, UV-light |
| **Optional** | Additional pre-filtration, water tanks, setup. |
| **Pump type** | Self-priming membrane pump. |

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# Water purification unit

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| | | |
|---|---|---|
| BlueBox 300 RO, Wall mounted | 100% microbiologic (virus, bacteria)<br>98.9% salts, minerals | 7.2 $m^3$ pd / 1900 gpd |

# Optional extras

| | |
|---|---|
| Half year consumables | 6 pc 10” 25 micron / 6 pc 10” 5 micron / 3 pc 10” Active carbon cartridge filers<br>Acid and Base detergent for RO membrane cleaning |
| Spare part package | Pre-filter set, O-rings, UV lamp, UV-glass, 1 pc RO Membrane, Set of FDA approved hoses, RO Cleaning detergent |
| Tools package | Screwdriver, Cartridge wrench, Gloves, Goggles |
| Water test kit | TDS Hydro Tester |
| MMW Academy | Half day training |
| MMW Academy | One day training |

* Based on 12 hour operation per day

# BLUEBOX 450 RO


Second to none water quality via 4x prefiltration followed by reverse osmosis membranes and UV-light

The BlueBox Concept is proven in 25+ countries worldwide:

**Chad** Denmark **Vietnam** Nigeria **Norway**
Brazil **Sweden** Indonesia **Haiti** Argentina **Iraq**
Bangladesh **Iran** Pakistan **Sudan** Sierra Leone

The BlueBox 450 will typically serve the 500-1000 people with daily water requirements.

- Clean drinking water safety exceeding WHO standards
- From any fresh water source
- 'Plug & Play' units ready for fast deployment
- Proven concept in more than 20 countries
- Drinking water setup in less than 10 minutes
- Light weight, highly mobile unit
- Easy to operate by unskilled personnel
- Multiple power solution: Can run on Solar power, Battery, Power grid, 230 Volt

BlueBox 450 RO specifications

| | |
|---|---|
| **Type** | 2-man portable water purification |
| **Raw water source** | All fresh water sources; lake, river, waterhole |
| **Application area** | Small camp/community. Field hospital/medical clinic, schools. |
| **Capacity** | 450 l/h or 10 $m^3$/day |
| **Water quality** | Superior WHO quality. Removes arsenic, flouride, pesticides and microorganisms. |
| **Dimensions** | L: 600 W: 800 H: 800 mm |
| **Weight/Vol** | 80 kg / 0,8$m^3$ |
| **Power source** | 0,9 kW, 220/230 Volt, 50/60 Hz |
| **Packaging** | Sturdy and weather resistant box |
| **Purifying filters** | 100+25+5 micron, activated carbon, RO, UV-light |
| **Pump type** | Self-priming membrane pump. Can run dry. |

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# Water purification unit

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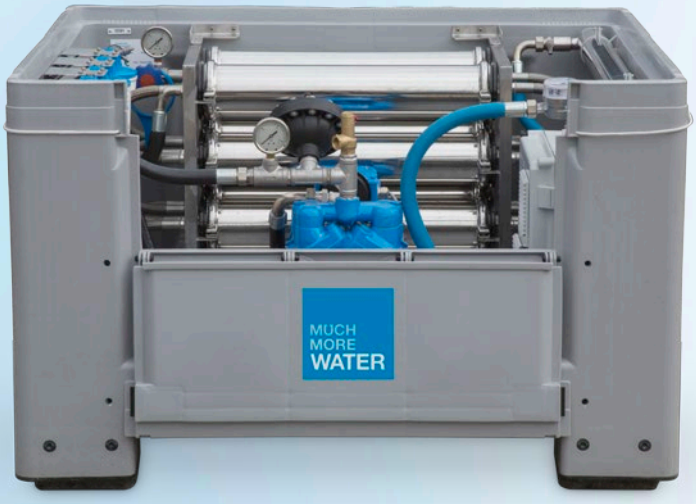
| | | |
|---|---|---|
| BlueBox 450 RO | 100% microbiologic (virus, bacteria)<br>98.9% salts, minerals | 10.8 $m^3$ pd / 2.9 tgpd |

# Optional extras

| | |
|---|---|
| Half year consumables | 6 pc 25 micron / 6 pc 5 micron / 3 pc Active carbon cartridge filers<br>Acid and Base detergent for RO membrane cleaning, Grease |
| Spare part package | Pre-filter set, O-rings, UV lamp, UV-glass, 1 pc RO Membrane, Set of FDA approved hoses, Grease, RO Cleaning detergent |
| Tools package | Screwdriver, Cartridge wrench, Gloves, Goggles, Grease pump, Brush |
| BlueBox Pump Station 1000 | Feed pump. Integrated Raw water pump and drinking water booster pump<br>1 spare booster pump, Dry-run protection |
| BlueBox Pump Station repair kit | Pump kit and grease |
| BlueBox Pump Station Hose kit | FDA approved set of hoses, 5 pc |
| Solar Power pack, 1 KW | Solar Power Box - 4 x 250 watt alu. frame, Control box, Battery |
| Hoses (BB 450 RO) | Set of FDA approved hoses |
| Water test kit | TDS Hydro Tester |
| Float filter | 100µ filtration float unit |
| MMW Academy | Half day training |
| MMW Academy | One day training |

* Based on 12 hour operation per day

# BLUEBOX 1200 RO / RORS




- Second to none water quality
- Easy to operate and maintain
- Deployment in just 7 minutes

The BlueBox 1200 RO has been deployed in all major castastrophies in the past 15 years:

**Chad** Denmark **Vietnam** Nigeria **Norway** Brazil **Sweden** Indonesia **Haiti** Argentina **Iraq** Bangladesh **Iran** Pakistan **Sudan** Sierra Leone

- Proven concept in more than 20 countries
- Drinking water setup in less than 10 minutes
- 20 units fit into a 20ft container = 150,000 gpd / 570,000 l/d
- Multiple power solution: Can run on Solar power, Battery, Power grid

**CUSTOMER STATEMENT**

*"The collaboration with Much More Water is excellent. They accept challenging changes in the configuration of their applications. Their technical capabilities and know-how is big. They are passionate about their solutions, and they deliver on follow-up and attention, which make them a desirable partner."*

Directorate for Civil Protection and Emergency Planning, Norway

BlueBox 1200 RO (RORS) specifications

| | |
|---|---|
| **Type** | Mobile water purification plant. |
| **Raw water** | All fresh water sources with up to 2500 PPM salinity. |
| **Application area** | Safe drinking water relief for camps, communities, disaster zones. |
| **Capacity, volume** | 1200 l/h at +25 °C water temperature. |
| **Water quality** | Superior WHO quality: Removes bacteria, virus, microorganisms, flouride, arsenic and pesticides. |
| **Dimensions** | L: 1 m, W: 1.2 m, H: 0.8 m. |
| **Weight/Vol** | 225 kg. Vol: 1m³ |
| **Power source** | 1.5 kW, 220/230 Volt, 50/60 Hz, CEE 16A (standard). |
| **Packaging** | Build into a sturdy, weather resistant plastic box for easy transport. |
| **Purifying filters and membranes** | 100+25+5 micron, activated carbon, reverse osmosis, UV-light. |
| **Pump type** | Self-priming membrane pump. Can run dry. |
| **Optional** | Post-chlorination, Solar power. |

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# Water purification unit

| | | |
|---|---|---|
| BlueBox 1200 RO | 100% microbiologic (virus, bacteria)<br>98.9% salts, minerals | 28.8 $m^3$ pd / 7.6 tgpd |
| BlueBox 1200 RORS<br>Stainless steel pre-filter housing | 100% microbiologic (virus, bacteria)<br>98.9% salts, minerals. SS filter house | 28.8 $m^3$ pd / 7.6 tgpd |

# Optional extras

| | |
|---|---|
| RO Half year consumables | 20" 6 pc 25 micron, 6 pc 5 micron and 4 pc Active carbon cartridge filers<br>Acid and Base detergent for RO membrane cleaning, Grease |
| RORS Half year consumables | 19.5" 6 pc 25 micron, 6 pc 5 micron and 4 pc Active carbon cartridge filers<br>Acid and Base detergent for RO membrane cleaning, Grease |
| Spare part package | Pre-filter set, O-rings, UV lamp, UV-glass, 1 pc RO Membrane, Set of FDA approved hoses,<br>Grease, RO Cleaning detergent |
| Tools package | Screwdriver, Cartridge wrench, Gloves, Goggles, Grease pump, Brush |
| Solar Power Pack, 2 KW | (8 x 250 watt), Aluframe, Control box, Battery inverter and wiring |
| CHL pump | Cholorine dosing pump |
| BlueBox Pump Station 1000 | Feed pump. Integrated Raw water pump and drinking water booster pump<br>1 spare booster pump, Dry-run protection |
| BlueBox Pump Station repair kit | Pump kit and grease |
| BlueBox Pump Station Hose kit | FDA approved set of hoses, 5 pc |
| Hoses (BB 1200 RO/RORS) | Set of FDA approved hoses |
| Float filter | 100µ filtration float unit |
| MMW Academy | Half day training |
| MMW Academy | One day training |

* Based on 12 hour operation per day

# BLUEBOX 1200 RO SOLAR, TRAILER MOUNT


- Autonomous water purification system
- 100% solar powered
- Intergrated battery package for night production
- Solar power system with tilt function for optimum solar capture
- Robust trailer mount

25 million liters capacity over a period of 5 years with only one source of power, the sun.

BlueBox 1200 RO Solar, trailer mount specifications

| | |
|---|---|
| **Type** | Solar powered mobile water purification plant. |
| **Raw water** | All fresh water sources with up to 2500 PPM salinity. |
| **Application area** | Safe drinking water relief for camps, communities, disaster zones. |
| **Capacity, volume** | 1200 l/h at +25 °C water temperature. |
| **Water quality** | Superior WHO quality: Removes bacteria, virus, microorganisms, flouride, arsenic and pesticides. |
| **Dimensions** | L: 3.2 m, W: 1.76 m, H: 1.88 m. |
| **Weight/Vol** | 1100 kg Vol. 10.6 $m^3$ |
| **Power source** | 1.5 kW, 220/230 Volt, 50/60 Hz, CEE 16A (standard). 10 solar panels. |
| **Packaging** | Build on a sturdy alu. trailer for easy transport. |
| **Purifying filters and membranes** | 100+25+5 micron, activated carbon, reverse osmosis, UV-light. |
| **Pump type** | Self-priming membrane pump. Can run dry. |
| **Optional** | Post-chlorination |

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|---|---|---|
| BlueBox 1200 RO solar<br>Trailer mount | 100% microbiologic (virus, bacteria)<br>98.9% salts, minerals. SS filter house | 28.8 $m^3$ pd / 7.6 tgpd |

# Optional extras

| | |
|---|---|
| RO Half year consumables | 20" 6 pc 25 micron, 6 pc 5 micron and 4 pc Active carbon cartridge filers<br>Acid and Base detergent for RO membrane cleaning, Grease |
| Spare part package | Pre-filter set, O-rings, UV lamp, UV-glass, 1 pc RO Membrane, Set of FDA approved hoses, Grease, RO Cleaning detergent |
| Tools package | Screwdriver, Cartridge wrench, Gloves, Goggles, Grease pump, Brush |
| CHL pump | Cholorine dosing pump |
| BlueBox Pump Station 1000 | Feed pump. Integrated Raw water pump and drinking water booster pump<br>1 spare booster pump, Dry-run protection |
| BlueBox Pump Station repair kit | Pump kit and grease |
| BlueBox Pump Station Hose kit | FDA approved set of hoses, 5 pc |
| Hoses (BB 1200 RO Solar) | Set of FDA approved hoses |
| Float filter | 100µ filtration float unit |
| MMW Academy | Half day training |
| MMW Academy | One day training |

* Based on 12 hour operation per day

# BLUEBOX 4000 RO PATENT


Patented water purification system

Smallest foot print in the world. 3 in 1 Reverse Osmosis water purification

Output up to 8000 l/h

Patented and uniquely versatile 3-in-1 unit with RO purification production of 4.000 l/h. Using only the Activated carbon or the UV light purification part of the system, the system will produce 8.000 l/h.

- Clean drinking water safety exceeding WHO standards
- From any fresh water source
- 'Plug & Play' units ready for fast deployment
- Durable for 10-15 years under optimal conditions
- The whole system operates on just one pump
- Option for CHL

BlueBox 4000 RO Patent specifications

| | |
|---|---|
| **Type** | Mobile Water Purification Unit, Reverse Osmosis (RO) filtration. |
| **Special features** | Bypass RO unit for extra fast filtration of potable water. |
| **Raw water source** | Fresh water: Municipal, lake, river, waterhole, stored water. |
| **Application area** | Military and emergency field assignments. |
| **Capacity** | 4 $m^3$/h with RO I 8 $m^3$/h with RO bypass. |
| **Water quality** | Superior WHO quality. |
| **Dimensions** | L: 1200mm B: 1155mm H: 1132mm X 2 |
| **Weight/Vol** | 360 kg/1.2$m^3$ I 270 kg/1.2 $m^3$ |
| **Power source** | 4.0 kW, 400 Volt, 50Hz, three phase. |
| **Packaging** | 2 sturdy, weather resistant boxes, stackable. |
| **Purifying filters** | 100, 25, 5 micron, activated carbon, RO, UV-light. |
| **Pump type** | Membrane pump. Can run dry, self-priming. |

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# Water purification unit

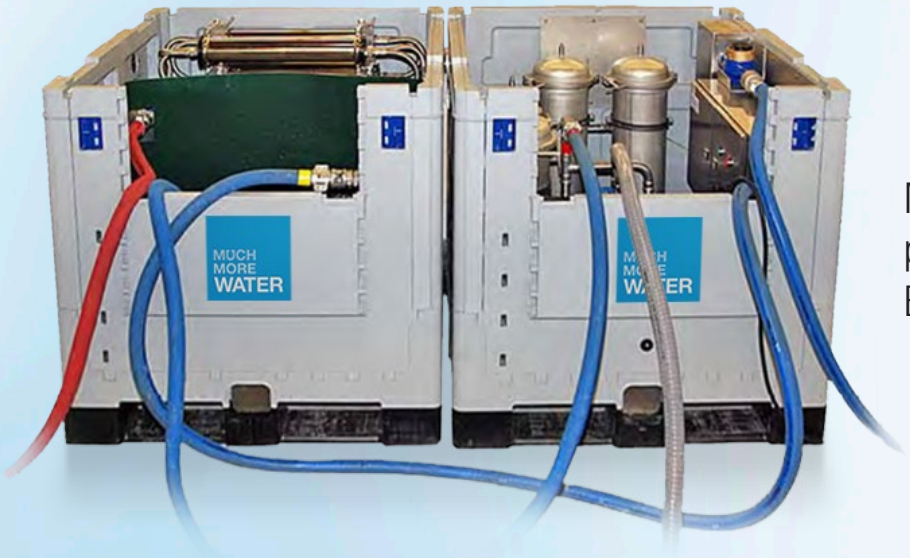
| | | |
|---|---|---|
| BlueBox 4000 RO Patent | 100% microbiologic (virus, bacteria)<br>98.9% salts, minerals | 96 $m^3$ pd / 25.3 tgpd |

# Optional extras

| | |
|---|---|
| Half year consumables | 12 pc 25 micron bag filters / 18 pc 5 micron cartridge filters / 30 pc active coal filters.<br>Grease, Acid and Base detergent |
| Spare part package | Pre-filter set, O-rings, UV lamp, UV-glass, 1 pc RO Membrane, Set of FDA approved hoses,<br>Grease, RO Cleaning detergent |
| Tools package | Screwdriver, Cartridge wrench, Grease pump, Gloves, Goggles |
| CHL pump | Cholorine dosing pump |
| BlueBox Pump Station 1000 | Feed pump. Integrated Raw water pump and drinking water booster pump<br>1 spare booster pump, Dry-run protection |
| BlueBox Pump Station repair kit | Pump kit and grease |
| BlueBox Pump Station Hose kit | FDA approved set of hoses, 5 pc |
| Hoses (BB4000) | Set of FDA approved hoses |
| Float filter | 100µ filtration float unit |
| RO unit | Box with 8 pc RO membranes + all connections included |
| Winter pack | Heating matt and cover |
| Preservation set | For prolonged storage, 25 litres Glycol |
| MMW Academy | Half day training |
| MMW Academy | One day training |

* Based on 12 hour operation per day

# BLUEBOX 4000 RO MIL EMC PATENT




Military grade water purification plant with EMC protection

Versatile 3-in-1 unit with RO purification production of 4.000 l/h. Using only the Activated carbon or the UV light purification part of the system, the system will produce 8.000 l/h.

- Clean drinking water safety exceeding WHO standards
- From any fresh water source
- 'Plug & Play' units ready for fast deployment
- Durable for 10-15 years under optimal conditions
- Continuous production of drinking water is achieved through the use of interchangeable units, meaning you can connect another reverse osmosis unit (the BlueBox on the left) while servicing and cleaning the original unit.
- EMC - electric magnetic current protection

BlueBox 4000 RO, Military EMC Patent specification

| | |
|---|---|
| **Type** | Mobile Water Purification Unit, Reverse Osmosis (RO) filtration. |
| **Special features** | 1) EMC protection 2) Bypass RO unit for extra fast filtration of potable water. |
| **Raw water source** | Fresh water: Municipal, lake, river, waterhole, stored water. |
| **Application area** | Military and emergency field assignments. |
| **Capacity** | 4 $m^3$/h with RO I 8 $m^3$/h with RO bypass. |
| **Water quality** | Superior WHO quality. |
| **Dimensions** | L: 1155mm B: 1155mm H: 1132mm X 2 |
| **Weight/Vol** | 360 kg/1.2$m^3$ I 270 kg/1.2 $m^3$ |
| **Power source** | 4.0 kW, 400 Volt, 50Hz, three phase. |
| **Packaging** | 2 sturdy, weather resistant boxes, stackable. |
| **Purifying filters** | 100, 25, 5 micron, activated carbon, RO, UV-light. |
| **Pump type** | Membrane pump. Can run dry, self-priming. |

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# Water purification unit

MUCH MORE WATER

| | | |
|---|---|---|
| BlueBox 4000 RO MIL EMC Patent | 100% microbiologic (virus, bacteria)<br>98.9% salts, minerals. EMC Protected | 96 $m^3$ pd / 25.3 tgpd |

# Optional extras

| | |
|---|---|
| Half year consumables | 12 pc 25 micron bag filters / 18 pc 5 micron cartridge filters / 30 pc active coal filters.<br>Grease, Acid and Base detergent |
| Spare part package | Pre-filter set, O-rings, UV lamp, UV-glass, 1 pc RO Membrane, Set of FDA approved hoses,<br>Grease, RO Cleaning detergent |
| Tools package | Screwdriver, Cartridge wrench, Grease pump, Gloves, Goggles |
| CHL pump | Cholorine dosing pump |
| BlueBox Pump Station 1000 | Feed pump. Integrated Raw water pump and drinking water booster pump<br>1 spare booster pump, Dry-run protection |
| BlueBox Pump Station repair kit | Pump kit and grease |
| BlueBox Pump Station Hose kit | FDA approved set of hoses, 5 pc |
| Hoses (BB4000) | Set of FDA approved hoses |
| Float filter | 100µ filtration float unit |
| RO unit | Box with 8 pc RO membranes + all connections included |
| Winter pack | Heating matt and cover |
| Preservation set | For prolonged storage, 25 litres Glycol |
| MMW Academy | Half day training |
| MMW Academy | One day training |

* Based on 12 hour operation per day

# WHAT IS THE COST OF PURIFIED WATER?

MUCH MORE WATER

We have outlined a few examples to emphazise the value of purchasing robust, high quality water purification solutions.

| MMW water purification unit | | | Output in 5 year period, liters | | | Price per liter/m³ (Euro) | | |
|---|---|---|---|---|---|---|---|---|
| | Price per unit EUR | Spare parts for 5 years* | 6 h operation | 12 h operation | 24 h operation | 6 h operation | 12 h operation | 24 h operation |
| **BlueBox 60 RO** | 6.950 | 1.300 | | | | 0.0130 p/l<br>13 p/m³ | 0.0069 p/l<br>6.9 p/m³ | – |
| **BlueBox 450 RO** | 16.700 | 8.600 | | | | 0.0054 p/l<br>5.4 p/m³ | 0.0027 p/l<br>2.7 p/m³ | 0.0013 p/l<br>1.3 p/m³ |
| **BlueBox 1200 RO** | 24.300 | 12.400 | | | | 0.0029 p/l<br>2.9 p/m³ | 0.0015 p/l<br>1.5 p/m³ | 0.0007 p/l<br>0.7 p/m³ |
| **BlueBox 1800 UF, Solar& trailer** | 73.000 | 18.800 | | | | 0.0049 p/l<br>4.9 p/m³ | 0.0024 p/l<br>2.4 p/m³ | – |

* Estimated spare parts cost is based on an average of 24 hours of operation per day.
The calculation is based on fresh water, not saline.
The calculation is based on a 5 year period, with the BlueBox running 350 days per year.
Best estimate on spare parts and consumables.
Raw water quality: medium pollution 500 - 800 ppm.

# BLUEBOX INSTALLATIONS

MUCH MORE WATER






# BLUEBOX 70 RO DESAL


MOBILE, PORTABLE
DESALINATION UNIT

- Sturdy polyethylene shell with removable lid for easy access
- Pre-filter and housing 1300 W electric motor mounted inside box for ease of service
- Jabsco impeller pump to lift water and provide positive pressure to the high pressure pump
- General Pump WM series 316 stainless steel high pressure pump.
- General Pump relief valve to prevent overpressurisation and allow for pressure washing
- Sturdy 3 metre draw hose fitted with one way valve so it remains primed, with detachable strainer
- High pressure stainless steel quick couple outlet for connection RO membrane unit or pressure washer gun
- One reverse osmosis compact membrane.
- Sturdy Multibrix box with integrated wheels
- Built in robust vibration dampeners.

BlueBox 70 RO

| | |
|---|---|
| **Type** | Mobile Water Purification Unit, Reverse Osmosis (RO) filtration. |
| **Raw water source** | Sea and brakish water > 2500 ppm |
| **Capacity** | 70 l/h at +25 °C water temperature. |
| **Water quality** | Superior WHO quality. |
| **Dimensions** | L: 900mm B: 600mm H: 400mm |
| **Weight/Vol** | 57,0 kg |
| **Power source** | 220/230 Volt, 50/60 Hz |
| **Packaging** | Build into a sturdy, weather resistant plastic box with integrated wheels for easy transport. |
| **Purifying filters** | 5 micron |
| **Pump type** | WM series 316 stainless steel high pressure pump with a 1300 W electric motor. |
| **Operating pressure** | 55 bar |

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# Water purification unit

MUCH MORE WATER

| | | |
|---|---|---|
| BlueBox 70 RO Desal | 100% microbiologic (virus, bacteria)<br>98.9% salts, minerals. EMC Protected | 1600 $m^3$ pd / 430 tgpd |

# Optional extras

| | |
|---|---|
| Half year consumables | 5 pc 5 micron prefilters / 1 kg pickling solution powder |
| Spare part package | Set of FDA approved hoses, 3 m input hose, 3 m food grade hose<br>10 m extention hose, 3 m brine waste hose, 1X RO membrane, Jabsco impeller<br>5 pc 5 micron cartridges |
| Tools package | Screwdriver, Cartridge wrench, Grease pump, Gloves, Goggles |
| Active Coal cartridge | For taste improvement |
| UV lamp | 2nd barrier option |
| Washer gun | Heigh pressure salt water |
| Water tester | HM com 80 EX/TDC meter |
| MMW Academy | Half day training |
| MMW Academy | One day training |

* Based on 12 hour operation per day

# BLUEBOX 140 RO DESAL


## COMPACT, MOBILE DESALINATION UNIT

- Enclosed fan cooled (TEFC) induction 1300 watt motor
- Draws 1300 watts in steady state operation
- Optimised for 2kW generator or higher
- Pre-filter and housing internally mounted for ease of service
- Jabsco impeller pump to lift water and provide positive pressure to the high pressure pump
- General Pump WM series 316 stainless steel high pressure pump, the workhorse of the RO industry
- General Pump relief valve to prevent overpressurisation and allow for pressure washing
- Sturdy 5 metre draw hose fitted with one way valve so it remains primed, with detachable strainer
- Four 5 micron pleated paper pre-filter cartridges included
- Two compact RO 21" membranes
- Can be coupled with optional pressure washer gun
- Heavy duty viration dampeners
- Sturdy Multibrix box with integrated wheels

BlueBox 140 RO

| | |
|---|---|
| **Type** | Mobile Water Purification Unit, Reverse Osmosis (RO) filtration. |
| **Raw water source** | Sea and brakish water > 2500 ppm |
| **Capacity** | 140 l/h at +25 °C water temperature. |
| **Water quality** | Superior WHO quality. |
| **Dimensions** | L: 900mm B: 600mm H: 400mm |
| **Weight/Vol** | 61,0 kg |
| **Power source** | 220/230 Volt, 50/60 Hz |
| **Packaging** | Build into a sturdy, weather resistant plastic box with integrated wheels for easy transport. |
| **Purifying filters** | 5 micron |
| **Pump type** | WM series 316 stainless steel high pressure pump with a 1300 W electric motor. |
| **Operating pressure** | 55 bar |

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# Water purification unit

MUCH MORE WATER

| | | |
|---|---|---|
| BlueBox 140 RO desal | 100% microbiologic (virus, bacteria)<br>98.9% salts, minerals. EMC Protected | 96 $m^3$ pd / 25.3 tgpd |

# Optional extras

| | |
|---|---|
| Half year consumables | 5 pc 5 micron prefilters / 1 kg pickling solution powder |
| Spare part package | Set of FDA approved hoses, 3 m input hose, 3 m food grade hose<br>10 m extention hose, 3 m brine waste hose, 1X RO membrane, Jabsco impeller<br>5 pc 5 micron cartridges |
| Tools package | Screwdriver, Cartridge wrench, Grease pump, Gloves, Goggles |
| Active Coal cartridge | For taste improvement |
| UV lamp | 2nd barrier option |
| Washer gun | Heigh pressure salt water |
| Water tester | HM com 80 EX/TDC meter |
| MMW Academy | Half day training |
| MMW Academy | One day training |

* Based on 12 hour operation per day

# BLUEBOX 2500 / 5000 RO DESAL

2500 or 5000 liters/hour

Skid mounted desalination BlueBox system, configured to customers specifications and water conditions.

Can also be mounted in containers for portable large scale water production.

Raw water is initially dosed with chlorine. This takes care of the organic matter to some extent. Raw water is then passed through Multi Media Filter with the help of Feed pump of suitable capacity to remove suspended impurities. This filer unit gives the coarse filtration.

Filtered water is then passed through Activated Carbon Filter to remove excess chlorine (dechlorination), odour, and turbidity due to colloidal suspended impurities and organic impurities. De chlorinated water is then dosed with antiscalant dosing system.

The water is further passed through 5 micron cartridge filter to remove micron particles to avoid clogging of the Reverse Osmosis membrane. Reverse Osmosis unit is the heart of the treatment scheme. It will reduce the Dissolved Salts from the raw water up to the remarkable level. A lot of bacteria are also removed in this process.

The treated water from Reverse Osmosis unit will be passed through Ultraviolet Sterilisation to ensure complete bacteria free pure water.

**EXAMPLE:**

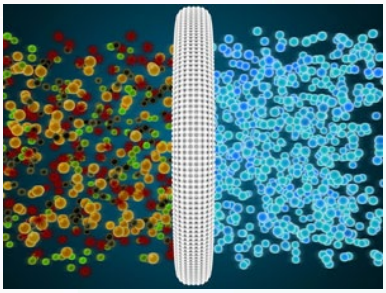
| Particulars | Present | Desired |
|---|---|---|
| Colour | Clear | Clear |
| Odour | Unobjectable | Unobjectable |
| pH at ºC 25 degrees | 6.38 | 6.9 - 7.2 |
| Total hardness as CaCo3 | 2300 mg/l | < 10 mg/l |
| Total conductivity | 14.49 mg/l | < 10 mg/l |
| TDC | 7245 mg/l | < 10 mg/l |
| Turbidity | 1.8 NTU | |
| Calcium | 760 mg/l | 0 mg/l |
| Magnesium | 97.2 mg/l | 0 mg/l |
| Potasium | 11 mg/l | 0 mg/l |
| Natrium | 851 mg/l | 0 mg/l |
| Bicarbonates | 1537.2 mg/l | 0 mg/l |
| Chlorides | 1390 mg/l | 0 mg/l |
| Sulphate | 700 mg/l | 0 mg/l |
| Nitrates | 4 mg/l | 0 mg/l |
| Iron | 0.1 mg/l | 0 mg/l |
| Ammonium | 0.47 mg/l | 0 mg/l |
| Sum Cations | 83.28 mg/l | 0 mg/l |
| Sum Anions | 79.06 mg/l | 0 mg/l |
| Ionic balance | 4.22 mg/l | 0 mg/l |

- Chlorine Dosing system
- Raw Water Booster Pump
- Multi Media Filter
- Activated Carbon Filter
- Antiscalant Dosing System
- 5 Micron Filters
- Reverse Osmosis unit
- pH Correction System
- UV Sterilisation System
- Chlorine Dosing System
- Piping (set)
- Skid

MUCH
MORE
WATER

# Ultra Filtration technology

Ultrafiltration (UF) is a type of membrane filtration in which hydrostatic pressure forces a liquid against a semipermeable membrane. A semipermeable membrane is a thin layer of material capable of separating substances when a driving force is applied across the membrane. Once considered a viable technology only for desalination, membrane processes are increasingly employed for removal of bacteria and other microorganisms, particulate material, and natural organic material, which can impart color, tastes, and odors to the water and react with disinfectants to form disinfection byproducts (DBP). As advancements are made in membrane production and module design, capital and operating costs continue to decline.



Filter technologyUltrafiltration uses hollow fibers of membrane material and the feed water flows either inside the shell, or in the lumen of the fibers. Suspended solids and solutes of high molecular weight are retained, while water and low molecular weight solutes pass through the membrane. This separation process is used in industry and research for purifying and concentrating macromolecular (103 - 106 Da) solutions, especially protein solutions. Ultrafiltration is not fundamentally different from reverse osmosis, microfiltration or nanofiltration, except in terms of the size of the molecules it retains. When strategically combined with other purification technologies in a complete water system, UF is ideal for the removal of colloids, proteins, bacteria, pyrogens, proteins, and macromolecules larger than the membrane pore size from water. The primary removal mechanism is size exclusion, though surface chemistry of the particles or the membrane may affect the purification efficiency. UF can be used as pretreatment for reverse osmosis systems or as a final filtration stage for deionized water.

The primary advantages of low-pressure UF membrane processes compared with conventional clarification and disinfection (post chlorination) processes are:

- No need for chemicals (coagulants, flocculates, disinfectants, pH adjustment)
- Size-exclusion filtration as opposed to media depth filtration
- Good and constant quality of the treated water in terms of particle and microbial removal
- Process and plant compactness
- Simple automation

# BLUEBOX 600 UF


Unique for operations
in ‘hard to reach areas’

All in one BlueBox

- Compact
- Mobile
- Efficient

- Easy to deploy
- Easy to operate
- Esay to maintain
- BlueBox 600 UF will clean municipal water, and other water sources, into clean and safe drinking water, making use of a 3 pre-filtration process, ultra filtration and UV light.

BlueBox 600 RO specifications

| | |
|---|---|
| **Type** | 2-man portable water purification |
| **Raw water source** | All fresh water sources; lake, river, waterhole |
| **Application area** | Small camp/community. Field hospital/medical clinic, schools |
| **Capacity** | 600 l/h or 14 $m^3$/day |
| **Water quality** | Superior WHO quality. Removes arsenic, flouride, pesticides and microorganisms at ultra filtration level |
| **Dimensions** | L: 600 W: 800 H: 800 mm |
| **Weight/Vol** | 80 kg / 0,8$m^3$ |
| **Power source** | 0,9 kW, 220/230 Volt, 50/60 Hz |
| **Packaging** | Sturdy and weather resistant box |
| **Purifying filters** | 100+25+5 micron, activated carbon, UF, UV-light |
| **Pump type** | Self-priming membrane pump. |

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# Water purification unit

MUCH MORE WATER

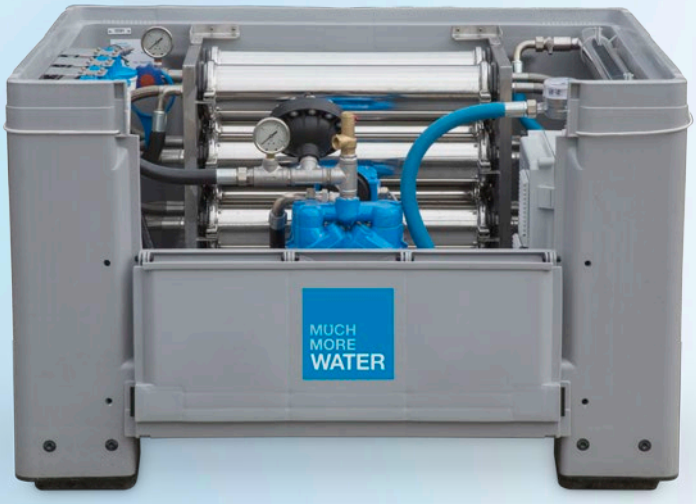
| | | |
|---|---|---|
| BlueBox 600 UF | 100% microbiologic (virus, bacteria), Reduction in chlorine and other natural chemicals | 14.4 $m^3$ pd / 3.8 tgpd |

# Optional extras

| | |
|---|---|
| Half year consumables | 6 pc 25 micron / 6 pc 5 micron / 3 pc Active carbon cartridge filters<br>Acid and Base detergent for UF membrane cleaning, Grease pump |
| Spare part package | Pre-filter set, O-rings, UV lamp, UV-glass, 1 pc UF Membrane, Set of FDA approved hoses, Grease, UF Cleaning detergent |
| Tools package | Screwdriver, Cartridge wrench, Gloves, Goggles, Grease pump, Brush |
| BlueBox Pump Station 1000 | Feed pump. Integrated Raw water pump and drinking water booster pump<br>1 spare booster pump, Dry-run protection |
| BlueBox Pump Station repair kit | Pump kit and grease |
| BlueBox Pump Station Hose kit | FDA approved set of hoses, 5 pc |
| Solar Power pack, 1 KW | Solar Power Box - 4 x 250 watt alu. frame, Control box, Battery |
| Hoses (BB 600 UF) | Set of FDA approved hoses |
| Water test kit | TDS Hydro Tester |
| Float filter | 100µ filtration float unit |
| MMW Academy | Half day training |
| MMW Academy | One day training |

* Based on 12 hour operation per day

# BLUEBOX 1800 UF




- High output
- Small footprint
- Easy to deploy

BlueBox 1800 UF is an all inclusive water purification unit delivering an impressive 1800 l/h / 480 gphr. A true workhorse that will reliably deliver clean drinking water for many years. This unit has been field tested by several international organisations in applications such as disaster relief and even permanent installations. The BlueBox 1800UF has proven itself time and again.

- Plug in 230V and start clean drinking water production
- 3 X pre-filtration, Ultra filtration and UV light

## BlueBox 1800 UF specifications

| | |
|---|---|
| Type | Mobile water purification plant. |
| Raw water | All fresh water sources with up to 500 PPM salinity. |
| Application area | Safe drinking water relief for camps, disaster zones, expeditions, schools, hospitals etc. |
| Capacity, volume | 1800 l/h at +25 °C water temperature. |
| Water quality | Superior WHO quality: Removes bacteria, virus, from fresh water. |
| Dimensions | L: 1 m, W: 1.2 m, H: 0.8 m. |
| Weight/Vol | 225 kg. Vol: 1 $m^3$ |
| Power source | 220/230 Volt, 50/60 Hz, CEE 16A (standard) Solar power, Generator, Power grid. |
| Packaging | Build into a sturdy, weather resistant plastic box for easy transport. |
| Purifying filters | 100+25+5 micron, activated carbon, ultrafiltration, UV-light. |
| Pump type | Self-priming membrane pump. |
| Optional | Solar panel |

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# Water purification unit

| | | |
|---|---|---|
| BlueBox 1800 UF | 100% microbiologic (virus, bacteria), Reduction in chlorine and other natural chemicals | 48 $m^3$ pd / 12,7 tgpd |

# Optional extras

| | |
|---|---|
| UF Half year consumables | 20” 6 pc 25 micron, 6 pc 5 micron and 4 pc Active carbon cartridge filers<br>Acid and Base detergent for UF membrane cleaning, Grease |
| Spare part package | Pre-filter set, O-rings, UV lamp, UV-glass, 1 pc UF Membrane, Set of FDA approved hoses, Grease, UF Cleaning detergent |
| Tools package | Screwdriver, Cartridge wrench, Gloves, Goggles, Grease pump, Brush |
| Solar Power Pack, 2 KW | (8 x 250 watt), Aluframe, Control box, Battery inverter and wiring |
| CHL pump | Cholorine dosing pump |
| BlueBox Pump Station 1000 | Feed pump. Integrated Raw water pump and drinking water booster pump<br>1 spare booster pump, Dry-run protection |
| BlueBox Pump Station repair kit | Pump kit and grease |
| BlueBox Pump Station Hose kit | Set of FDA approved hoses, 5 pc |
| Hoses (BB 1800 UF) | Set of FDA approved hoses |
| Float filter | 100µ filtration float unit |
| MMW Academy | Half day training |
| MMW Academy | One day training |

* Based on 12 hour operation per day

# BLUEBOX 1800 UF SOLAR, TRAILER MOUNT

You can easily transport this mobile, trailer mounted water purification unit from water source to water source, producing clean drinking water at 1800 l/h.

- Proven concept in more than 20 countries
- Drinking water setup in less than 20 minutes
- Integrated battery power bank
- Night production is possible with the solar panels in the closed position
- Protective cover for the Solar panels is included

**CUSTOMER STATEMENT**

*"The collaboration with Much More Water is excellent. They accept challenging changes in the configuration of their applications. Their technical capabilities and know-how is big. They are passionate about their solutions, and they deliver on follow-up and attention, which make them a desirable partner."*

Directorate for Civil Protection and Emergency Planning, Norway

BlueBox 1800 UF Solar, trailer mount specifications

| | |
|---|---|
| **Type** | Solar powered mobile water purification plant. |
| **Raw water** | All fresh water sources with up to 2500 PPM salinity. |
| **Application area** | Safe drinking water relief for camps, communities, disaster zones. |
| **Capacity, volume** | 1200 l/h at +25 °C water temperature. |
| **Water quality** | Superior WHO quality: Removes bacteria, virus, microorganisms, flouride, arsenic and pesticides. |
| Dimensions | L: 3.2 m, W: 1.76 m, H: 1.88 m. |
| Weight/Vol | 1100 kg Vol. 10.6 $m^3$ |
| **Power source** | 1.5 kW, 220/230 Volt, 50/60 Hz, CEE 16A (standard). 10 solar panels. |
| **Packaging** | Build on a sturdy alu. trailer for easy transport. |
| **Purifying filters and membranes** | 100+25+5 micron, activated carbon, ultra filtration, UV-light. |
| **Pump type** | Self-priming membrane pump. Can run dry. |
| **Optional** | Post-chlorination |

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# Water purification unit

MUCH MORE WATER

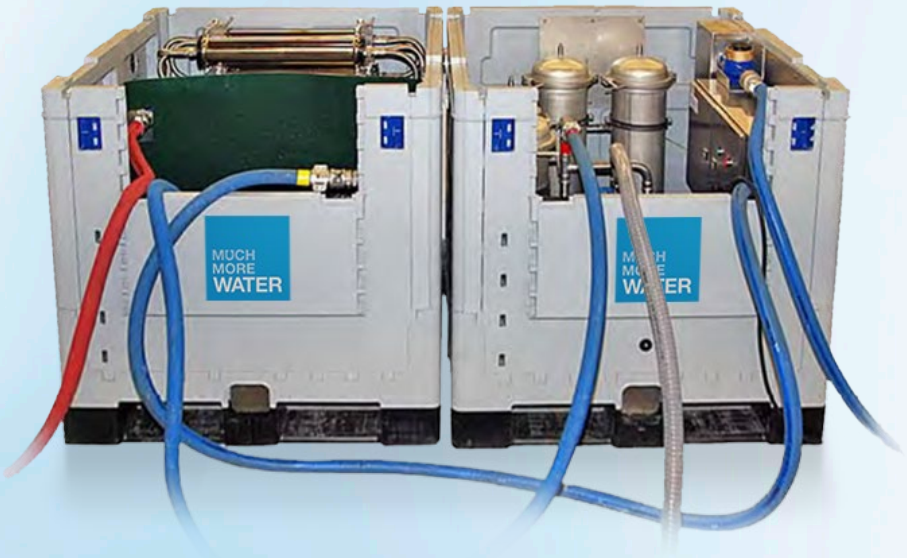
| | | |
|---|---|---|
| BlueBox 1800 UF Solar, trailer mount | 100% microbiologic (virus, bacteria), Reduction in chlorine and other natural chemicals | 48 $m^3$ pd/ 12,7 tgpd |

# Optional extras

| | |
|---|---|
| UF Half year consumables | 20" 6 pc 25 micron, 6 pc 5 micron and 4 pc Active carbon cartridge filers<br>Acid and Base detergent for UF membrane cleaning, Grease |
| Spare part package | Pre-filter set, O-rings, UV lamp, UV-glass, 1 pc UF Membrane, Set of FDA approved hoses, Grease, UF Cleaning detergent |
| Tools package | Screwdriver, Cartridge wrench, Gloves, Goggles, Grease pump, Brush |
| CHL pump | Cholorine dosing pump |
| BlueBox Pump Station 1000 | Feed pump. Integrated Raw water pump and drinking water booster pump<br>1 spare booster pump, Dry-run protection |
| BlueBox Pump Station repair kit | Pump kit and grease |
| BlueBox Pump Station Hose kit | Set of FDA approved hoses, 5 pc |
| Hoses (BB 1800 UF Solar) | Set of FDA approved hoses |
| Float filter | 100µ filtration float unit |
| Solar panel | 190 Watt panels |
| Trailer maintenance kit | Tyre, bulbs, front steering tyre, electric connector |
| Protective cover | PVC white for solar panels |
| MMW Academy | Half day training |
| MMW Academy | One day training |

* Based on 12 hour operation per day

# BLUEBOX 6000 UF PATENT




Smallest foot print
Ultra filtration + UV light
Versatile 3 in 1
patented system

Versatile 3-in-1 unit with UF purification production of 6.000 l/h. Using only the Activated carbon or the UV light purification part of the system, the system will produce 8.000 l/h.

- Clean drinking water safety exceeding WHO standards
- From any fresh water source
- 'Plug & Play' units ready for fast deployment
- Durable for 10-15 years under optimal conditions
- Easy to operate

BlueBox 6000 UF Patent specifications

| | |
|---|---|
| **Type** | Mobile Water Purification Unit, Ultrafiltration. |
| **Special features** | Bypass UF unit for extra filtration. |
| **Raw water source** | Fresh water: lake, river, waterhole, stored water. |
| **Application area** | Emergency field assignments. |
| **Capacity** | 6000 l/h with UF I 8 $m^3$/h with UF bypass. |
| **Water quality** | Superior WHO quality. |
| **Dimensions** | L: 1155mm B: 1155mm H: 1132mm |
| **Weight/Vol** | 360 kg/1.2$m^3$ I 270 kg/1.2 $m^3$ |
| **Power source** | 4.0 kW, 400 Volt, 50Hz, three phase. |
| **Packaging** | 2 sturdy, weather resistant boxes, stackable. |
| **Purifying filters** | 100, 25, 5 micron, activated carbon, ultra filtration. |
| **Pump type** | Membrane pump. Can run dry, self-priming. |

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# Water purification unit

MUCH MORE WATER

| | | |
|---|---|---|
| BlueBox 6000 UF Patent | 100% microbiologic (virus, bacteria), Reduction in chlorine and other natural chemicals | 144 $m^3$ pd / 38 tgpd |

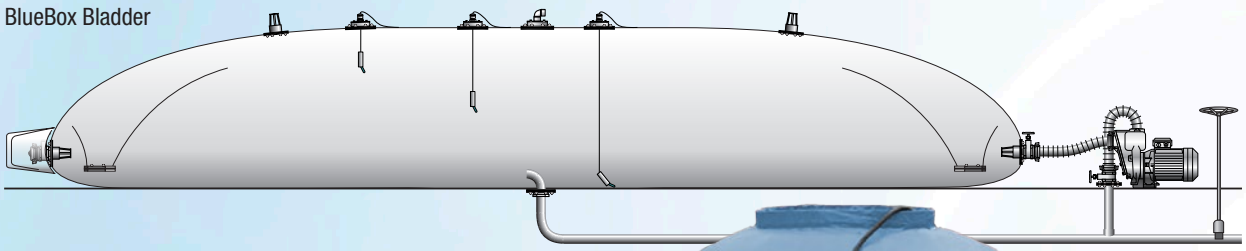
# Optional extras

| | |
|---|---|
| Half year consumables | 12 pc 25 micron bag filters / 18 pc 5 micron cartridge filters / 30 pc active coal filters. Grease, Acid and Base detergent |
| Spare part package | Pre-filter set, O-rings, UV lamp, UV-glass, 1 pc UF Membrane, Set of FDA approved hoses, Grease, UF Cleaning detergent |
| Tools package | Screwdriver, Cartridge wrench, Grease pump, Gloves, Goggles |
| CHL pump | Cholorine dosing pump |
| BlueBox Pump Station 1000 | Feed pump. Integrated Raw water pump and drinking water booster pump 1 spare booster pump, Dry-run protection |
| BlueBox Pump Station repair kit | Pump kit and grease |
| BlueBox Pump Station Hose kit | Set of FDA approved hoses, 5 pc |
| Hoses (BB4000) | Set of FDA approved hoses |
| Float filter | 100µ filtration float unit |
| RO unit | Box with 8 pc UF membranes + all connections included |
| Winter pack | Heating matt and cover |
| Preservation set | For prolonged storage, 25 litres Glycol |
| MMW Academy | Half day training |
| MMW Academy | One day training |

* Based on 12 hour operation per day

# BLUEBOX STORAGE SYSTEMS

BlueBox Bladder



BlueBox Combo


BlueBox Onion tank


BlueBox Carry on

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|---|---|
| **BlueBox Bladder tank** | Used for raw or clean water. |
| **BlueBox Combo** | For clean water storage and distribution. One box can hold up to 1 $m^3$ of clean drinking water. |
| **BlueBox Onion tank** | For clean water storage and distribution. |
| **BlueBox Carry on** | For clean water distribution and personal use. |

# Storage unit

MUCH MORE WATER

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|---|---|
| BlueBox Carry on | 4 Litres. Minimum qty. 1000 |
| BlueBox Combo | 1 $m^3$ water container with inner liner<br>International standard with fork lift dimensions |
| BlueBox Bladder | 5 $m^3$ water container Clean and Raw water |
| BlueBox Bladder | 10 $m^3$ water container Clean and Raw water |
| BlueBox Bladder | 100 $m^3$ water container. Clean and Raw water |
| BlueBox Onion tank | 7.5 $m^3$ Raw water storage tank |
| BlueBox Onion tank | 15 $m^3$ Raw water storage tank |

# SOLAR POWER PACKS


## Much More Water solar power pack

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|---|---|
| 1 KW | PV Panels, Solar controller, Batteries, Charger, Battery monitor and datalink, Inverter, Wiring, Protection and Electric cabinet |
| 2 KW | PV Panels, Solar controller, Batteries, Charger, Battery monitor and datalink, Inverter, Wiring, Protection and Electric cabinet |
| 4 KW | PV Panels, Solar controller, Batteries, Charger, Battery monitor and datalink, Inverter, Wiring, Protection and Electric cabinet |
| 6 KW | PV Panels, Solar controller, Batteries, Charger, Battery monitor and datalink, Inverter, Wiring, Protection and Electric cabinet |
| 8 KW | PV Panels, Solar controller, Batteries, Charger, Battery monitor and datalink, Inverter, Wiring, Protection and Electric cabinet |
| 10 KW | PV Panels, Solar controller, Batteries, Charger, Battery monitor and datalink, Inverter, Wiring, Protection and Electric cabinet |

# TERMS AND CONDITIONS

## GENERAL

The following usual terms and conditions for sales and delivery are valid for all Much More Water A/S deliveries and orders – deviations are only valid when agreed in writing.

### Prices
The price quoted is excluding taxes and other public duties. Much More Water A/S reserves the right to change the pricelists and catalogue material without any warning.

The prices can be regulated between the processes of placing orders and time of delivery if changes have occurred on for example: The established collective salary agreement, the prices of the raw material or currency rate exchange on more than 2%. Offers are valid 14 days unless otherwise agreed in writing.

### Binding Agreement
Orders are not binding for Much More Water A/S before we have acknowledged them in writing, which normally happens when an order confirmation is sent.

### Delivery
All prices are valid ex works. Delivery of products is at the buyer's expenses and risk unless otherwise agreed in writing.

### Packaging
Separately billed undamaged packaging will be reimbursed if it is returned at our address at no cost to Much More Water A/S.

### Payment
Unless otherwise agreed in writing, then terms of payment is "prepaid".
The goods to be delivered remain the property of Much More Water A/S until full payment has been made. On that extension retention of ownership is valid according to valid rights. If payment is not timely Much More Water A/S is entitled to 1,5 % interest on the overdue amount. This applies for each month - starting from the due date until payment is made.

### Warranty period
The warranty period for new machinery and spare parts is 12 months.
It shall begin once the supply leaves the works. If delivery, assembly or acceptance are delayed for reasons beyond Much More Water A/S control, the guarantee period shall end at the latest 18 months following notification that the goods are ready for shipment.

### Claim Rights
The Danish Sale of Goods Act applies to all consumer purchases in Denmark. In addition Much More Water A/S is obligated to either exchange, repair or send to repair delivered goods which malfunction due to errors in the construction, materials or manufacture in a period of 12 months counting from the day of delivery. Much More Water A/S is not at any case obligated to solve any shortage. The buyer cannot claim a defect on the purchased as long as the defect is attributable to the buyer, for example because of errors, neglect or inadvertence on the correct use or warehousing of the products purchased. The buyer is only entitled to cancel the purchase if there is a significant deficiency, and if Much More Water A/S does not want to rectify the situation, or if our repair attempts, the number and duration determined by us, have proved to be unsuccessful.

Much More Water A/S concedes no determined guarantee on purchase of rubber products and other spare and wear parts that can be exposed to unusual deterioration or damage.

Goods that are believed defective may be sent Franco to the address of Much More Water A/S for inspection. A detailed description of the complaint including the circumstances under which the defect occurred must be included thus giving Much More Water A/S the possibility of examining the goods with both the buyers and own interest in mind.

### Claims Deadline
The warranty claim period is 8 days from the date when the cause of the complaint was detected or should have been detected.

### Repurchase
Delivered goods are only repurchased after specific agreement, and then only to the invoice price minus 15%. Repurchased goods must be returned at Much More Water A/S' address at no cost to us. Special manufactured or subcontracted items are not repurchased.

## RESPONSIBILITY

### General Liability for Damages
Much More Water A/S is only responsible for the liabilities of damages or the buyer's or third party's direct or indirect loss of any mentionable kind in connection with the purchased, if it is proved that Much More Water A/S has demonstrated negligence or inadvertence in connection with our obligations in connection with the purchase. Much More Water A/S is not responsible for damages caused by buyer's incorrect installation, assemble or operation of the purchased and the buyer has full responsibility for any item supplied by him.

### Responsibility of the product
Much More Water A/S is only responsible for personal injuries if it is proved that the injuries were caused by a mistake made by or negligence committed by Much More Water A/S or by a person under our responsibility.

Much More Water A/S is not responsible for injuries on property or movables occurring while the products are in the possession of the buyer. Much More Water A/S is not responsible for damage on products manufactured by the buyer or for products where these are compromised.

Besides this, Much More Water A/S is responsible for damages on property and movables in the same conditions as for personal injuries. Much More Water A/S is not responsible for the loss of profit, loss of earnings or other indirect loss.

To that extend that Much More Water A/S is required to provide product responsibility to a third party, the buyer is obligated to keep Much More Water A/S free of injure in the same proportion as our responsibility is limited in relation to the before mentioned 3 chapters. These limitations in Much More Water A/S' responsibility are not valid if Much More Water A/S is guilty of gross negligence. If the third party states a demand for liability of damage against either Much More Water A/S or the buyer according to this section, the partners are mutually obliged to immediately inform each other.

### Drawings and specifications
Much More Water A/S is without liability for drawings, dimensions and/or other specifications included if these are not used for purchase from Much More Water A/S.

### Venue
Disputes are settled according to Danish law and dealt with by civil law in Ringsted in the first instance.

### Freedom from responsibility (Force Majeure)
Much More Water A/S is not obligated by committed agreements and does not carry any responsibility neither in case of force majeure or other circumstances beyond the control of Much More Water A/S nor in case of either one of the following situations: work conflicts or any other circumstance over which Much More Water A/S has no control e.g. fire, war and warfare, occupation of property – incl. civil occupation – mobilization or unforeseen conscripts at a not inconsiderable straining extent, requisition, confiscation/ impoundment of property, inventory or means of transportation, currency or import restrictions, revolts or riots, scarcity of transportation and general shortages, introduction of unforeseen environmental regulations that are relevant to this contract, restrictions on energy and consumption of energy or delays or shortages e.g. on deliveries from Much More Water A/S's suppliers and subcontractors caused or influenced by one or more of the above situations.

Only in cases of buyer's force majeure, does Much More Water A/S recognize that the buyer is not obligated by committed agreements. If there is a case of buyer's force majeure and the buyer wishes to plead this, the buyer is obligated to inform Much More Water A/S immediately.

If this plead is not informed or if the plead is not timely informed the buyer is obligated by the committed agreement.

MUCH MORE WATER

The collaboration with Much More Water is excellent. They accept challenging changes in the configuration of their applications. Their technical capabilities and know-how is big. They are passionate about their solutions, and they deliver on follow-up and attention, which make them a desirable partner.

*Directorate for Civil Protection and Emergency Planning, Norway*

We use the Much More Water equipment to produce drinking water for our camps and our hospital. We are very pleased with the quality of the drinking water, produced on the equipment.

*Danish Emergency Management Agency*
*Major A.K. Jensen Denmark*


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5 August 2016