

# Automatic Bottle Water Purification and Filling Machines

MAN ★ ★ ★  
AUTO FILL

**MAN-AUTOFILL™** is a complete stand alone, easy to operate automatic water purification, processing, filling and packaging system designed and manufactured by **GLOBAL WaterMAN USA**. This economical system has everything needed to produce and deliver bottled drinking water to the highest international standards using most locally available water supplies. The standard system has two major equipment comprising of a water purification system using Reverse Osmosis and an automatic bottle water filling system. The system is capable of filling different bottle sizes ranging from 200ml, 500ml to 2 liters.

#### Standard Features of **MAN-AUTOFILL™** Bottling system

- Purified water storage tank complete with booster pumps
- 5 in one system comprising of
  - Bottle feeding system
  - Automatic bottle rinsing system
  - Automatic bottle filling
  - Automatic bottle capping with automatic cap feeder
  - Semi-automatic shrink sleeve labelling machine
- Stainless steel frame with conveyor system
- Process see through glass for process monitoring
- Height and level adjusting studs/legs
- Control and command system for automatic operation
- Adjustable filling volume selection from 200ml to 2 liters
- Electric panel board



**GLOBAL WaterMAN USA** supplies a full range of standard and customizable water treatment and bottling systems, all of which are engineered using advanced 3D computer modelling and process design software.

#### Standard Features of **MAN-AUTOFILL™** Water Purification system



**STEP 1/2: Sand/Carbon filter**—The sand removes suspended particles while the activated carbon filter removes chlorine, chloramines, solvents, lead, insecticides, gasses, and other harmful organic contaminants.

**STEP 3: Micron Pre-Filter**—Removes any suspended particles and sediment before the reverse osmosis system

**STEP 4: Reverse Osmosis System**— for purification of water and removal of any harmful salts.

**STEP 5: Storage**—Water is stored in a sanitary tank.

**STEP 6: Post-Carbon Filtration**—The water from the tanks is passed through an inline Post Carbon polishing filter for exceptionally smooth taste.

**STEP 7: Ultraviolet Sterilizer**—a UV sterilizer is installed to eliminate and safeguard the water from any water borne disease causing micro organisms

**STEP 8: Ozone bottle sterilizer**—Ozone sterilizer is provided to sterilize the bottle before filling with water

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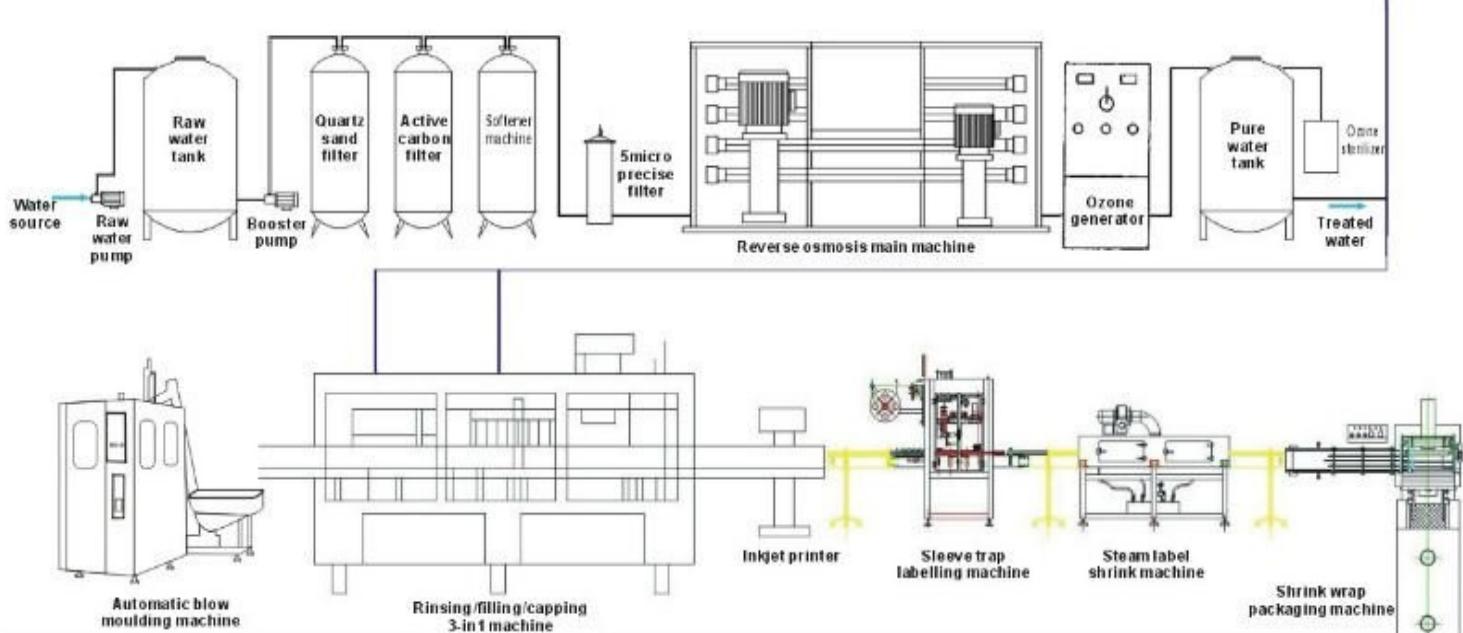
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Water Treatment • Water testing Equipment • Automation Systems  
Reverse Osmosis • UF Plants • Water Filters • Water Softeners • MBR Systems  
Drinking Water Systems • Industrial Water Systems • Wastewater Systems  
Domestic • Large Scale • Communities  
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MAN-AUTOFILL™ schematic flow diagram



## MAN-AUTOFILL™ additional / optional equipment

- ⇒ Injection Mould system for production of PET bottles preforms



- ⇒ Blow moulding machine for manufacture and production of PET bottles

- ⇒ Ink-jet printer for insertion of batch and expiry dates



- ⇒ Shrink wrapping machine for packaging and crating of bottles with water

- ⇒ 10 and 20 lts bottles filling machine with washing and rinsing facilities



## Technical Features of MAN-AUTOFILL™ Bottling system

| Model           | XGF16-12-6              |    |  |
|-----------------|-------------------------|----|--|
| Head number     | Bottle washing          | 16 |  |
|                 | Bottle filling          | 12 |  |
|                 | Bottle capping          | 6  |  |
| Suitable bottle | 250ml-2000ml,           |    |  |
| Cap type        | Plastic screw cap       |    |  |
| Power           | 3.5kw                   |    |  |
| Capacity        | 2500 bottles/hour       |    |  |
| Weight          | 2500kg                  |    |  |
| Dimension       | 4100x2300x2500mm        |    |  |
| Power supply    | 110-240V/380V , 50/60Hz |    |  |

## Technical Features of MAN-AUTOFILL™ RO system

| Items                   | Material | Type     | Quantity | Note                |
|-------------------------|----------|----------|----------|---------------------|
| Booster pump            | SUS304   | CHL4-40  | 1 Pcs    | 0.75KW/380V         |
| Mechanical filter       | FRP      | 3072     | 1 set    | Quartz sand 850 kga |
| Activated carbon filter | FRP      | 3072     | 1 set    | 200kgs              |
| high pressure pump      | SUS304   | CDL4-120 |          | 380V/2.2KW          |
| RO membrane             | TFC      | 4040     | 7 Pcs    |                     |
| Conductivity meter      |          | CM230    | 2 Pcs    |                     |

\*\*\*contact us for more details

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