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## 5 Gallon Bottled Water Filtering Filling Machine

### Part 1:Feature

1.1) Stainless steel structure, easy to install, operate and maintain.

1.2) Multi-function in one unit: raw water purifying, ozone sterilization, 5gallon bottle water filling and capping (We can provide the 5gallon bottle inside & outside washing machine too).

1.3)PLC as the control center, stable running.

1.4)Easily get purified drinking water, one key for filling, and the filling volume can be adjusted for different bottles.

1.5) The machine can be applied in the bottled water shops, stores, schools, office buildings, small scale factories and hotels,etc.,helping people get the fresh and healthy bottled drinking water easily on the spot.

### Part 2:Techincal parameter

|                                |   |
|--------------------------------|---|
| Power                          | 2.5KW   |
| Pure water production capacity | 500 Liters/hour   |
| Filling flow rate              | 30B/H (5gallon bottle)  |
| Water storage tank capacity    | About 200 liters  |
| Ozone concentrations           | 3grams/H  |
| Water Source                   | Municipal tap water<br>(It is better to provide the raw water quality analysis report to us showing the TDS, pH, hardness, etc..) |
| Municipal tap water TDS        | Less than 1000ppm   |
| Municipal tap water hardness   | Less than 200ppm  |
| Dimension of machine           | 1300*1000* 1600(L*W*H: mm)  |

### Part 3:Main component list (500L/H)

| No. | Item         | Specification       | Unit | QTY |
|-----|--------------|---------------------|------|-----|
| 3.1 | Machine body | Stainless steel 304 | set  | 1   |



# Leonard Industrial Co., Limited

Professional Water Treatment & Bottling Solutions

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|      |                               |   |       |   |
|------|-------------------------------|---|-------|---|
| 3.2  | Feeding pump                  | 0.37KW, 220V,50Hz   | set   | 1 |
| 3.3  | Quartz sand filter            | 250*1000<br>(With automatic multi-ports control valve)  | set   | 1 |
| 3.4  | Activated carbon filter       | 250*1000<br>(With automatic multi-ports control valve)  | set   | 1 |
| 3.5  | PP cartridge                  | 10inch PP filter*4PCS   | set   | 1 |
| 3.6  | RO high pressure pump         | 1.5KW,220V,50Hz   | set   | 1 |
| 3.7  | RO membrane                   | LP21-4040   | PCS   | 2 |
| 3.8  | Ozone                         | 1000mg/H  | Piece | 3 |
| 3.9  | Purified water storing tank   | Material: SUS304;<br>Volume: 200 liters;<br>Equipped with float switch<br>(Low level, middle level, high level) | set   | 1 |
| 3.10 | Filling pump                  | 0.37KW, 220V,50Hz   | set   | 1 |
| 3.11 | PLC                           | Siemens   | set   | 1 |
| 3.12 | Solenoid valve                | 220V  | PCS   | 3 |
| 3.13 | Pressure meter                | 0-1.6Mpa&0-2.5Mpa   | Piece | 2 |
| 3.14 | Electrical conductivity meter | 0-2000μS/cm   | Piece | 2 |
| 3.15 | Flux meter                    |   | Piece | 2 |
| 3.16 | Indicator                     |   | Piece | 4 |
| 3.17 | Button                        | One for filling, one for emergency stop   | Piece | 2 |
| 3.18 | AC contactor                  |   | Piece | 2 |
| 3.19 | Fuse                          |   | Piece | 2 |
| 3.20 | Pressure controller           | 0-6 bar   | Piece | 2 |
| 3.21 | Filling valve                 | SUS304  | Piece | 1 |
| 3.22 | Capping head                  | SUS304&Nylon  | Piece | 1 |
| 3.23 | Filling adjustment button     | Increase filling time/<br>reducing filling time/restore   | Piece | 3 |

### Part 4: Filter replaced time (Based on raw water quality and working hour)

| Filtration stage | Name of filter | Replaced time |
|------------------|----------------|---------------|
|------------------|----------------|---------------|



|              |                         |              |
|--------------|-------------------------|--------------|
| First stage  | Quartz sand filter      | 24-36months  |
| Second stage | Activated carbon filter | 12months     |
| Third stage  | 5 micron PP filter      | 2-3months    |
| Fourth stage | RO filter               | 24-36 months |

### Part 5: Picture for reference

