**Ve-Tech**

# E-Tech

Water Technology Products

**E·Tech**

E-Tech Technology (Shenzhen) Ltd

Tel:86-755-8364 6618
Fax:86-755-8364 6518
Web:www.e-techwater.com
Email: sales@e-techwater.com

## Create Smart Lives

E-Tech Technology (Shenzhen) Limited established in 2004, formerly by the name of E-Tech Heat Pumps (Shenzhen) Limited, which originated from Hong Kong, the leading and diversifying supplier of heat pumps, DC 24V submersible pumps, water treatment products and interactive water features products.

With more than three decades of experience and hard-working, we have achieved not only innovative concepts in design, but also unique products in manufacture. So far, we have obtained several national patents, international PCTs, national computer software copyrights and other qualifications. As a market leader, E-Tech was entrusted by the "Ministry of Housing and Urban-Rural Development of the People's Republic of China" to be responsible for editor-in-chief of the industry standard "Swimming Pool Damp-Removal Heat Recovery Heat Pump". In 2018, E-Tech became a national high-tech enterprise officially.

As one of the leaders of the water technology product in China, by our full experiences in product application, our water products are well spread throughout China, north to Manzhouli & south to Sanya, west to Xinjiang & east to Taiwan. We have provided services for well-known hotels and developers, such as Marriott, Hilton, Shangri-La, Wanda, Poly, Greenland, OCT, Country Garden, Evergrande etc. In order to keep our lead in technology, we frequently invite overseas professionals in water fields to communicate the new technology as a strategic plan. Our branches in Beijing, Shanghai, Chengdu, and Xiamen provide excellent professional technology support in time.

"Focusing on water, growing on water", E-Tech will always concentrate on the research and development of diversified water technology products, to provide the market with more water-oriented energy saving and interactive products.

### Patent for Invention

Submersible pump system and submersible pump (Serial Number: ZL 2016 8 0007600.8)

The equipment and method of interaction minesweeping game (Serial Number: ZL 2016 8 0007530.6)

A system and method of bubble tracking,recognition and shooting (Serial Number: ZL 2016 8 000 7596.5)

### Patent for Utility Models

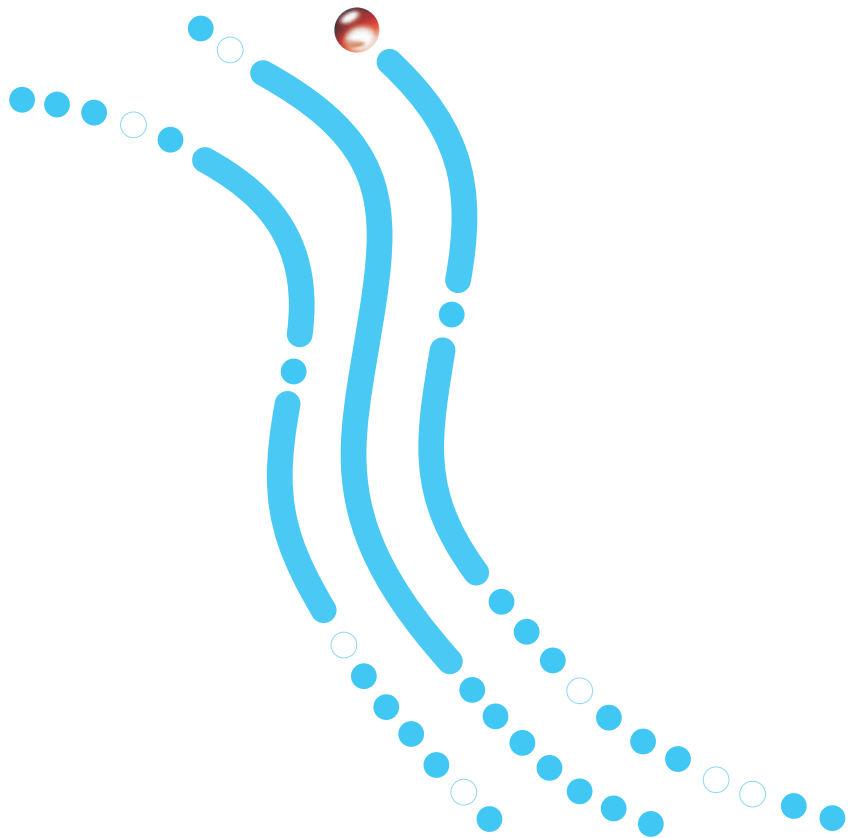Submersible pump (Serial Number: ZL 2019 2 0096975.7)

A safe integration flow filter devicce (Serial Number: ZL 2017 2 1172129.6)

A new type of digital water curtain with interaction and entertainment function (Serial Number: ZL 2016 2 0440993.9)
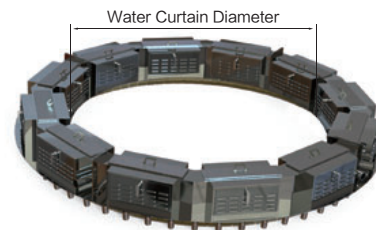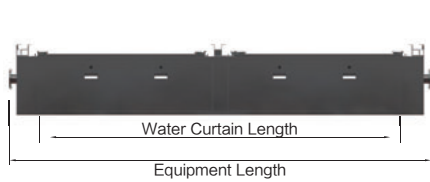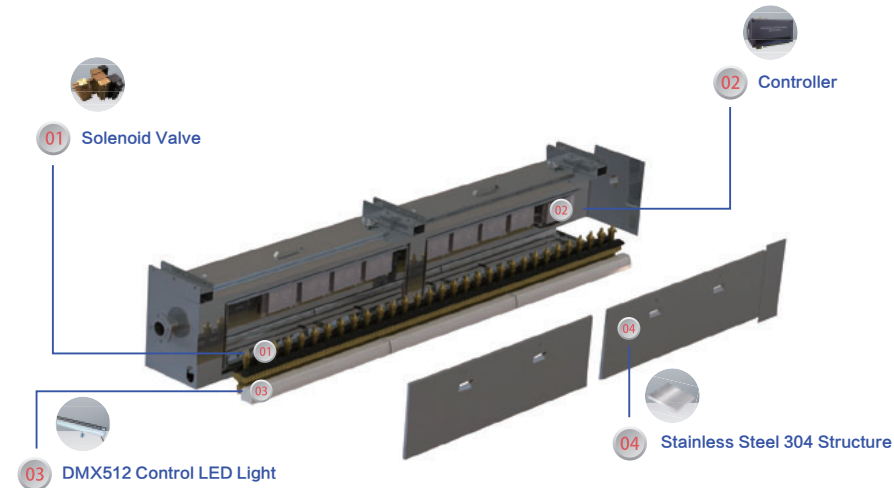
### Design Patent

Waterfall swing (Serial Number: ZL 2018 3 0708656.8)

# Digital Water Curtain

## Product Introduction

Digital Water Curtain is an interactive landscape product which forms any text and pattern by water. It can be applied in Plazas, hotels and other places.By adjusting water length of each nozzle to achieve the need of computer computing, the computer program controls solenoid valve opening and closing time. According to this principle, different lengths of water can form the required graphics and texts at the moment when the water leaves the nozzle. Simultaneously, the LED lights of the water curtain also presents various colors and brightness required by the computer program, making the text and graphics displayed colorful.

**01 Solenoid Valve**

**02 Controller**

**04 Stainless Steel 304 Structure**

**03 DMX512 Control LED Light**

Water Curtain Length

Equipment Length

Water Curtain Diameter

### 1. On-Demand System

The user enters the program through the WeChat Official Account of E-Tech Technology, then selects the music in the song store and enters the text, the on-demand system would arrange the corresponding water graphics according to the melody of the song.

### 2. Graffiti

The user draws a graphic by hand on the touch screen, and the water curtain system will present the corresponding hand-drawn water graphics in real time when it performs.
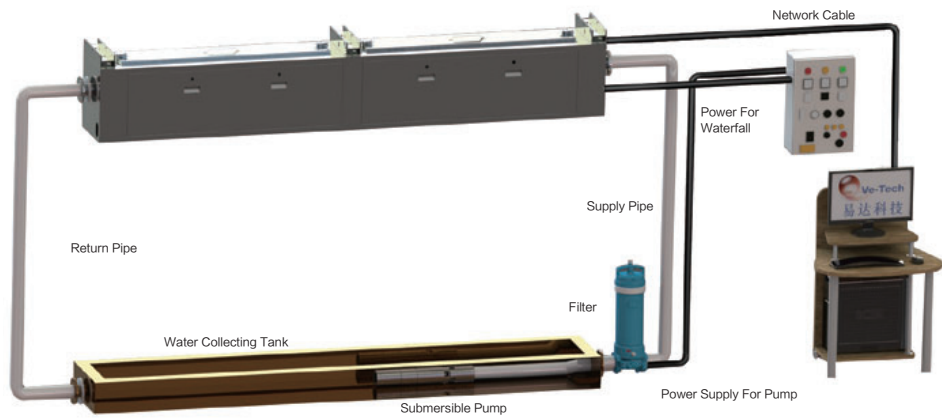
Scan code to watch video

## Linear Digital Water Curtain

| | Parameters / Model | VeSL-1-1000 | VeSL-1-2000 | VeSL-1-3000 | VeSL-1-4000 | VeSL-1-5000 | VeSL-1-6000 | VeSL-1-7000 | VeSL-1-8000 | VeSL-1-9000 |
|---|---|---|---|---|---|---|---|---|---|---|
| Series S | Flow (m³/hr) | 2.4 | 4.8 | 7.2 | 9.6 | 12 | 14.4 | 16.8 | 19.2 | 21.6 |
| | Power (kW) | 0.69 | 1.38 | 2.07 | 2.76 | 3.45 | 4.14 | 4.83 | 5.52 | 6.21 |
| | Solenoid Valves(Pcs) | 40 | 80 | 120 | 160 | 200 | 240 | 280 | 320 | 360 |
| | Nozzles(Pcs) | 80 | 160 | 240 | 320 | 400 | 480 | 560 | 640 | 720 |
| | Water Curtain Length(mm) | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 | 8000 | 9000 |
| Series M | Flow (m³/hr) | 2.6 | 5.2 | 7.8 | 10.4 | 13 | 15.6 | 18.2 | 20.8 | 23.4 |
| | Power (kW) | 0.89 | 1.78 | 2.67 | 3.56 | 4.45 | 5.34 | 6.23 | 7.12 | 8.01 |
| | Solenoid Valves(Pcs) | 64 | 128 | 192 | 256 | 320 | 384 | 448 | 512 | 576 |
| | Nozzles(Pcs) | 128 | 256 | 384 | 512 | 640 | 768 | 896 | 1024 | 1152 |
| | Water Curtain Length(mm) | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 | 8000 | 9000 |
| Series L | Flow(m³/hr ) | 2.8 | 5.6 | 8.4 | 11.2 | 14 | 16.8 | 19.6 | 22.4 | 25.2 |
| | Power(kW) | 1.11 | 2.23 | 3.34 | 4.46 | 5.57 | 6.69 | 7.8 | 8.92 | 10 |
| | Solenoid Valves(Pcs) | 80 | 168 | 248 | 328 | 416 | 496 | 576 | 664 | 744 |
| | Nozzles(Pcs) | 160 | 336 | 496 | 656 | 832 | 992 | 1152 | 1328 | 1488 |
| | Water Curtain Length(mm) | 965 | 2026 | 2991 | 3956 | 5018 | 5983 | 6948 | 8009 | 8974 |
| | Input-water Diameter(DN) | 32 | 50 | 65 | 65 | 80 | 80 | 100 | 100 | 125 |
| | Return-water Diameter(DN) | 40 | 65 | 80 | 80 | 100 | 100 | 120 | 120 | 125 |
| | Light Power(kW) | 0.072 | 0.144 | 0.216 | 0.288 | 0.36 | 0.432 | 0.504 | 0.576 | 0.648 |
| | Net Weight(kg) | 90 | 140 | 220 | 300 | 380 | 460 | 540 | 620 | 700 |
| | Operatig Weight(kg) | 165 | 250 | 400 | 540 | 680 | 830 | 970 | 1110 | 1260 |
| | Equipment Length(mm) | 1340 | 2340 | 3340 | 4340 | 5340 | 6340 | 7340 | 8340 | 9340 |

## Circle Digital Water Curtain

| | Parameters / Model | VeSL-0-2000 | VeSL-0-2500 | VeSL-0-3000 | VeSL-0-3500 | VeSL-0-4000 | VeSL-0-4500 | VeSL-0-5000 | VeSL-0-5500 | VeSL-0-6000 |
|---|---|---|---|---|---|---|---|---|---|---|
| Series S | Flow(m³/hr) | 15.07 | 18.84 | 22.6 | 26.37 | 30.14 | 33.91 | 37.68 | 41.44 | 45.21 |
| | Power(kW) | 4.32 | 5.4 | 6.49 | 7.57 | 8.65 | 9.74 | 10.82 | 11.9 | 12.99 |
| | Solenoid Valves(Pcs) | 251 | 314 | 337 | 440 | 502 | 565 | 628 | 691 | 754 |
| | Nozzles(Pcs) | 502 | 628 | 674 | 880 | 1004 | 1130 | 1256 | 1382 | 1508 |
| | Water Curtain Perimeter(mm) | 6275 | 7850 | 8425 | 11000 | 12550 | 14125 | 15700 | 17275 | 18850 |
| Series M | Flow(m³/hr) | 16.32 | 20.41 | 24.49 | 28.57 | 32.65 | 36.73 | 40.82 | 44.9 | 48.98 |
| | Power(kW) | 5.57 | 6.98 | 8.37 | 9.77 | 11.16 | 12.57 | 13.96 | 15.36 | 16.75 |
| | Solenoid Valves(Pcs) | 400 | 504 | 600 | 704 | 800 | 904 | 1008 | 1104 | 1208 |
| | Nozzles(Pcs) | 800 | 1008 | 1200 | 1408 | 1600 | 1808 | 2016 | 2208 | 2416 |
| | Water Curtain Primeter(mm) | 6250 | 7875 | 9375 | 11000 | 12500 | 14125 | 15750 | 17250 | 18875 |
| Series L | Flow (m³/hr) | 17.58 | 21.98 | 26.37 | 30.77 | 35.16 | 39.56 | 43.96 | 48.35 | 52.75 |
| | Power(kW) | 6.99 | 8.74 | 10.49 | 12.25 | 13.99 | 15.74 | 17.5 | 19.25 | 20.99 |
| | Solenoid Valves(Pcs) | 520 | 648 | 784 | 912 | 1040 | 1168 | 1304 | 1432 | 1560 |
| | Nozzles(Pcs) | 1040 | 1296 | 1568 | 1824 | 2080 | 2336 | 2608 | 2864 | 3120 |
| | Water Curtain Primeter(mm) | 6272 | 7816 | 9457 | 11001 | 12545 | 14089 | 15729 | 17273 | 18817 |
| | Input-water Diameter(DN) | 125 | 125 | 125 | 150 | 150 | 150 | 100*2 | 100*2 | 125*2 |
| | Return-water Diameter(DN) | 125 | 125 | 125 | 150 | 150 | 150 | 100*2 | 100*2 | 125*2 |
| | Light Power(kW) | 0.452 | 0.565 | 0.678 | 0.791 | 0.904 | 1.017 | 1.13 | 1.243 | 1.356 |
| | Net Weight(kg) | 500 | 630 | 750 | 880 | 1000 | 1130 | 1260 | 1380 | 1500 |
| | Operatig Weight(kg) | 900 | 1130 | 1350 | 1580 | 1800 | 2030 | 2270 | 2480 | 2700 |
| | Equipment Diameter(mm) | 2320 | 2820 | 3320 | 3820 | 4320 | 4820 | 5320 | 5820 | 6320 |

Network Cable

Power For Waterfall

Supply Pipe

Return Pipe

Filter

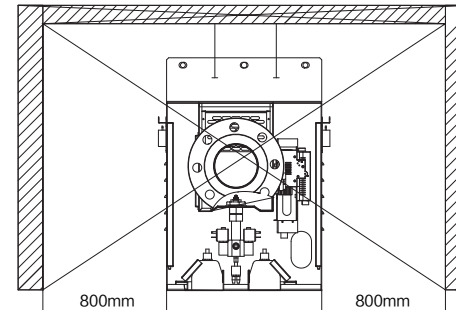Water Collecting Tank

Submersible Pump

Power Supply For Pump

## Equipment Installation Requirements

- Sufficient space shall be reserved surround the equipment to accommodate daily operation and maintenance.

- Return pipe is based on gravity reflow principle, so the installation of return pipe should follow the high to low reflow principle.

- When the project cannot achieve gravity reflow, the constant water supply mode can be customized. Then we only need the water supply pipe, no need for a return pipe.

- The best visual effect of the Waterfall is about 3M.

- The system needs to install a reliable paper core filter. If it is impossible to filter microorganisms, it can be properly put some medicine.

- For outdoor, it can work well when the wind power is no more than level 3.

## Water Collecting Pool

| Material Requirement | Concrete, Stainless Steel Or Other Materials | | |
|---|---|---|---|
| Height of Water Curtain | Width Of Water Collecting Pool | Length Of Water Collecting Pool | Depth Of Water Collecting Pool |
| ≤3m | 1m | Length Of Water Curtain +1.0m | 0.5m |
| ≤4m | 1.2m | Length Of Water Curtain +1.2m | 0.5m |
| ≤5m | 1.4m | Length Of Water Curtain +1.4m | 0.6m |
| ≤6m | 1.6m | Length Of Water Curtain +1.8m | 0.6m |
| ≤7m | 1.8m | Length Of Water Curtain +1.8m | 0.6m |
| ≤8m | 2m | Length Of Water Curtain + 2.0m | 0.6m |



**Standard Maintenance Space**

800mm        800mm



**Insufficient Maintenance Space**

Openable Maintenance Door        Openable Maintenance Door