Product profile:

series water spray test chamber is performing tests according to various standards; UL, EN 60529 and for protection code testing (IP-Code) for spray and splash water systems. It performs test for the protection of housings against ingress of water. It has an automatic option where a timer will be set from 1 sec. to 999 h. The apparatus offers integrated circulation equipment that reduces the water consumption of the tests. it can also be applied to IP X1/X2 drip device, IP X3/X4 swiveling tube, IP X3/X4 spray head, IP X5/X6 jet nozzle and IP X9K high pressure jet nozzle.

Technical Parameter:

|  |  |
| --- | --- |
| **Model** | WS-IPX3 |
| WS-IPX4 |
| Internal dimension (W\*D\*H) | 600\*600\*600mm | 800\*800\*800mm |  |
| External dimension (W\*D\*H) | 1100\*800\*1500mm | 1300\*1000\*1700mm |  |
| Oscillating tube | Radius 200mm | Radius 300mm |  |
| Internal chamber material | Stainless steel 304  |
| External chamber material | Stainless steel |
| Observation window | Waterproof Toughened glass |
| Oscillating angle | IPX3: spray ±60° from vertical line to each side, total 120°IPX4: spray ±180° from vertical line to each side, total 360° |
| Oscillating speed | IPX3:for 4s IPX4:for 12s |
| Spray nozzle | Diameter: 0.4mm, removable  |
| Distance between two nozzles | 50mm |
| Turntable diameter | 200mm | 300mm |  |
| Turntable rotation speed | 1-3 cycles/min |
| Water flow of each nozzle | 0.07 L/min +5% |
| Test duration | 1~999,999min, adjustable |
| Water pressure | 80-150Kpa |
| Water cycling system | Built-in chamber bottom for recycling |
| Power source | Single-phase, AC220V, 50/60HZ |

**Features:**

* Rotating rain and spray nozzles designed to IPX specifications
* Speed control for the rotating spray nozzles
* Stationary product shelf - A rotating shelf is optional
* Water pressure regulators, gauges and flow meters
* Water circulation system to reduce water consumption
* Adjustable swivel angle
* Replaceable swivel tubes
* Nozzle fittings can be swiveled
* Exchangeable nozzle fittings
* Adjustable water volume flow
* Measurement of water volume flow

**Water Dripping Test (Meet IPX1 and IPX2 test)**

* LCD touch screen controller with PLC control
* Drip box size: 1000x1000mm (or 500x500mm) ,

or custom size as option

* Needle diameter: 0.4mm
* Distance between needle: 20mm
* Dropping rate: 1mm+0.5mm/min (IPX1),

3mm+0.5mm/min (IPX2)

* Dropping height: 200mm (adjustable)
* With timer, flow display
* With rotating table, diameter 700mm, 1rpm,
* 15o tilt plate, height adjustable
* Meet  IEC60529, IEC60598

**Rain Spray System (Meet IPX3 and IPX4, 4K test)**

* LCD Touch Screen Display and Control
* Nozzle diameter: 0.4mm
* Nozzle distance: 50mm
* Flow rate: 0.07L/min (IPX3,4), 0.6+/-0.5L/min

(IPX4K)

* Arm Radius: 300mm, 400mm, 600mm, 800mm,

1000mm, 1200mm or 1500mm

* Rotating angle: +/-270, adjustable.
* Rotating speed: adjustable
* Rotating table:  speed is adjustable
* Adjustable spray flow and spray time.
* With 0-400kPa adjustable pressure regulator
* All 304 stainless steel design, both interior and exterior
* With chamber as option

**Jet Nozzle (Meet IPX5 and IPX6 test)**

* 6.3mm nozzle diameter, for IPX5 test.

Water flow: 12.5L/min.

* 12.5mm nozzle diameter, for IPX6 test.

Water flow: 100L/min.

* Meet IEC60529, IEC60335
* Water Pumping System as option

**Water Pumping System (For IPX1,2, IPX3,4, IPX5,6)**

* Water pump for large flow: 0-7m3/h
* Water pump for small flow: 0-3m3/h
* Water inlet
* With water filters
* Pressure display and water flow display
* Safety overload protection on pump and motor

**PLC Controller:**

* PLC + touch screen interface
* test parameter setting and monitoring

