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|  | <b>Voltage</b><br>110V/220V 50/60Hz            |
|  | <b>Alarm</b><br>Audible and visual             |
|  | <b>Indicator</b><br>Lamp operation and failure |
|  | Optional digital display ballast               |

### FEATURES

- High quality UV ballast meets international certification such as CE, UL standard
- Reliable High-performance UV lamp, rigorously tested to provide consistent output over the entire lamp life
- Controller will go into alarm if the lamp fails
- UV chamber with great welding process which enables to pass 1.04MPa 100,000 times water hammer test

### WATER QUALITY REQUIREMENT

- Maximum operating pressure 0.8MPa(116psi)
- Ambient water temperature 2-40°C(36-104°F)
- Iron<0.3ppm(0.3mg/L)
- Hardness<7gpg(120mg/L)
- Turbidity<1NTU
- UV transmittance>75%
- UV dose  $\geq 30\text{mJ}/\text{cm}^2$

| Model   | Flow rate          |     | Reactor dimension | In/outlet port | Package size cm         | UV Lamp code | Lamp power | Quartz tube code | Ballast code |
|---------|--------------------|-----|-------------------|----------------|-------------------------|--------------|------------|------------------|--------------|
|         | m <sup>3</sup> /hr | GPM |                   |                |                         |              |            |                  |              |
| SDS-110 | 5.4                | 24  | 950 X 108mm       | 1"male         | 102.5 X 22.4 X 42 /1set | UVT5-455     | 55wX 2     | QT5-940          | EB-G55       |
| SDS-165 | 8.1                | 36  | 950 X 133mm       | 1.5"male       | 102.5 X 24.8 X 45 /1set | UVT5-455     | 55wX 3     | QT5-940          | EB-G55       |
| SDS-220 | 10.9               | 48  | 950 X 133mm       | 1.5"male       | 102.5 X 24.8 X 45 /1set | UVT5-455     | 55wX 4     | QT5-940          | EB-G55       |

\* Chamber material: 304 SS(316L is optional); Thread or flange as options; Philips uv lamp is optional