

## LEDRig

LEDRig family of curing devices are designed for use with glass fibre reinforced polymer (GFRP) liners in the rehabilitation of sewer networks. Sewertronics' patented cooling technology allows high efficiency of the LED modules, improving overall working and curing times compared with the traditional UV lamp systems.

LEDRIG significantly reduces the electrical power requirements and the cost of ancillary equipment. Use Sewertronics' online reporting application to create your own curing reports from a tablet or hand-held device whilst on site.

LED Rig works in dn 150 mm up to dn 600 mm only with GRP UV liners and it is compatible with our Spectra Dive for manhole rehabilitation.



## Physical

|                    |  |
|--------------------|--|
| Dimensions (LxWxH) | 1121 x 833 x 1515 cm                             |
| Total Weight       | 225 kg (incl. 200 cable)                         |
| Material           | Chassis based on stainless steel, aluminium, ABS |

## UV Light Source

|                                |        |
|--------------------------------|--------|
| UV Light Source                | UV LED |
| UV-C Peak Wavelength           | 400 nm |
| Lamps Life (60.000 cycles@15m) | 1000 h |

## Working Diameters

|                         |   |
|-------------------------|---|
| DN                      | DN150 - DN600   |
| Core Sensors            | Internal Core Temp Sensor   |
| Liner Temp Sensor       | IR Contactless Sensor   |
| Other Parameters Sensor | Pressure Sensor, Air Temp Sensor  |
| Live Footage            | Front & Rear CCD Camera with large aperture lens & 150-degree field of view |

## Computer

|     |         |
|-----|---------|
| PLC | Siemens |
|-----|---------|

## Display

|              |                                       |
|--------------|---------------------------------------|
| Main Monitor | 10" installed within the Control Unit |
|--------------|---------------------------------------|

## Connectivity

|                    |         |
|--------------------|---------|
| WI-FI Connectivity | 2.4 GHz |
|--------------------|---------|

|      |    |
|------|----|
| Mode | AP |
|------|----|

|                 |   |
|-----------------|---|
| Internal Access | Socket RJ45 WAN, Mobile tethering via USB |
|-----------------|---|

## Safety

|                    |     |
|--------------------|-----|
| Auto-stop Function | Yes |
|--------------------|-----|

|                |   |
|----------------|---|
| Emergency Stop | Yes - Emergency Stop Button installed within the Control Unit |
|----------------|---|

|       |                       |
|-------|-----------------------|
| Power | Additional RCD Switch |
|-------|-----------------------|

## Power Requirements

|         |                     |
|---------|---------------------|
| Voltage | 110 - 230V 50/60 Hz |
|---------|---------------------|

|                   |                                   |
|-------------------|-----------------------------------|
| Mains Requirement | E-type of Std. Schuko Wall Socket |
|-------------------|-----------------------------------|

|            |                                   |
|------------|-----------------------------------|
| Connection | 5 m power cord with V-lock system |
|------------|-----------------------------------|

|       |       |
|-------|-------|
| Power | 3000W |
|-------|-------|

|                   |                         |
|-------------------|-------------------------|
| Mains Requirement | Std. Schuko Wall Socked |
|-------------------|-------------------------|

## Cable Reel

|                      |     |
|----------------------|-----|
| Motorized Cable Reel | Yes |
|----------------------|-----|

|                 |                 |
|-----------------|-----------------|
| Umbilical Cable | 200m (Standard) |
|-----------------|-----------------|

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