LEDRIG

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.

LEDRig works in DN150 - DN600 only with GRP UV liners and it is compatible with our SpectraDive for manhole rehabilitation.



Physical

Dimensions (LxWxH)	1121 x 833 x 1515 mm
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 Senor	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	200 m (Standard)

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