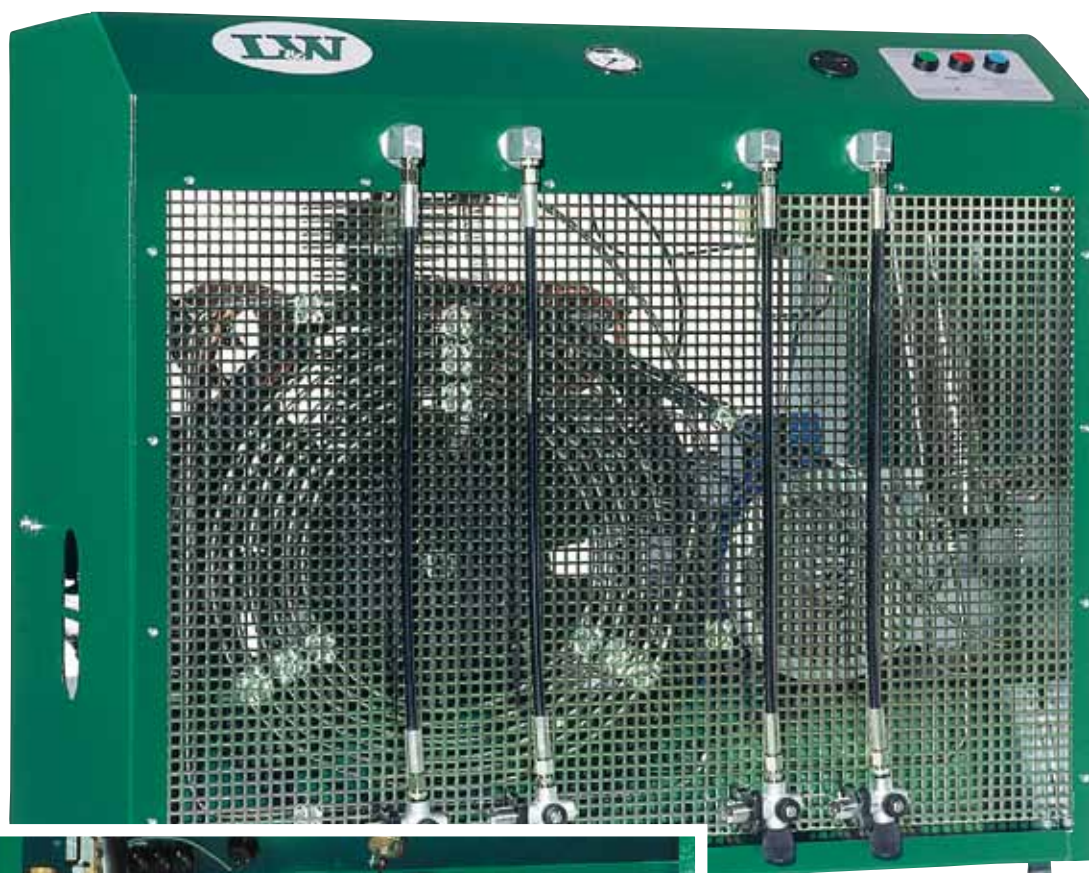


# LW 450 E



Robust, low RPM units with low maintenance and running costs for the user.

Pneumatic/electric compressor control with final pressure cut off and automatic condensation drain ensures easy and trouble free operation. The compressors are ideal for continuous operation and a favourite choice for overseas diving centers with very long service intervals [e.g. replacement of concentric suction/pressure valves (3) every 6000 hours!].



## Lenhardt & Wagner GmbH

An der Tuchbleiche 39  
68623 Hüttenfeld / Germany

Phone: +49 (0)62 56 - 8 58 80 -0

Fax: +49 (0)62 56 - 8 58 80 -14

eMail: [info@lw-compressors.com](mailto:info@lw-compressors.com)

Internet: [www.lw-compressors.com](http://www.lw-compressors.com)

## Specifications

- >> Ready to connect compressor, fully wired with pneumatic/electric compressor control with star/delta start cycle
- >> Operating panel with start/stop and condensation test controls, pressure gauge and hours counter
- >> Automatic condensation drain, pressure free start/stop, leak check and safety valve check test modes
- >> Automatic shut down when final pressure is reached
- >> Safety cut off if the cover is opened, emergency stop switch
- >> Motor protection switches
- >> Sturdy steel frame, powder coated in RAL 6026
- >> All pistons with steel piston rings
- >> 3 concentric suction/pressure valves
- >> Low pressure oil pump and filter
- >> Oil/water separators after each stage, safety valve for each stage
- >> Breathing air purification in accordance with EN 12021
- >> Pressure maintaining and non-return valve
- >> 4 Filling hoses and filling valves and/or HP outlet

## Options

- >> 200/300 bar parallel filling pressures
- >> Special voltages / frequencies on request
- >> ECC controls
- >> Oil pressure monitoring with auto shut down
- >> Auto start
- >> Oil pressure gauge
- >> Cylinder temperature with auto shut down
- >> Oil temperature with auto shut down
- >> Inter stage pressure gauges
- >> Puracon filter monitoring

## Technical Data

	LW 450 E
Type:	Air cooled, reciprocating piston compressor
Capacity [litre/min] / [Nm <sup>3</sup> /h] / [cfm]:	450 / 27.0 / 15.9
Max. Pressure [bar]:	350 (set at the final stage safety valve)
RPM [1/min]:	1100
No of cylinders / No of stages:	3 / 3
Prime mover type:	3 Phase E-motor 400V / 50Hz
Drive power [kW] / [HP]:	11.0 / 15.0
Cooling air requirement [Nm <sup>3</sup> /h]:	3300
Lubrication type:	Oil pump + Splash oil
Oil capacity [litre]:	2.2
Oil pressure [bar]:	1.8 (+/- 0.3)
Air outlet temperature [°C]:	8 - 10°C above ambient
Filter capacity [m <sup>3</sup> at +20°C] <sup>1)</sup> :	900
Dimensions L x W x H [cm]:	115 x 60 x 98
Weight [kg]:	280
Noise level [dB]:	83 dB[A] measured at 1 m

<sup>1)</sup> In accordance with EN 12021

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