

# LW 570 E II Compact



The LW 570 E II Compact is ideal for dive centers, ships and boats with limited space.

The slow-rotating compressor with low maintenance intervals and service costs is suitable for continuous running and for being used in three-shift operations at breathing air and high-pressure applications.

A new, industry-proven lubrication system and reinforced components form the core of the advanced LW 570 compressor block and improves the lifetime of the compressor unit. The optional available innovative condensate system with the new Condensate Stop Valve optimizes the efficiency of the compressor and includes a 10 litre collection tank as well as a highly effective 0.8 litre pre-separator for prolonging filter lifetime.

The 4-stage compressor block allows optional a maximum pressure of up to 420 bar.



LW 570 E Compact with options

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# LW 570 E II Compact



## Specifications

- » Electro motor
- » Powder coated steel frame and fan belt guard (RAL 6026)
- » **NEW** - Heavy duty compressor block components
- » Hour counter
- » Start/ Stop and emergency stop switch
- » Phase monitoring c/w shut down at wrong direction of rotation
- » Manual condensate drain
- » 1 x Filling hose c/w filling valve
- » Motor protection switch
- » Pressure maintaining and non return valve
- » All pistons c/w steel piston rings
- » **NEW** - Improved lubrication system c/w oil filter
- » Low pressure oil pump and filter
- » Oil- / Water separators in stainless steel
- » Safety valves after each stage
- » 4 x concentric suction/pressure valves
- » Filling pressure to your choice (200 or 300 bar)
- » Connections to your choice  
(DIN 200 bar or 300 bar, CGA 200 bar or 300 bar and INT)
- » Breathing air purification an accordance to EN 12021

## Optionen

- » Automatic stop at final pressure
- » Automatic Condensate Drain Basic
- » Automatic Condensate Drain PRO (incl. Condensate-Stop-Valve, 0.8 l Prefilter and 10 Litre Condensate Tank)
- » Auto start system
- » Up to 4 additional filling hoses available
- » 200 and 300 bar parallel filling pressures
- » Oil pressure gauge
- » Intermediate pressure gauges
- » Oil pressure monitoring c/w auto shut down
- » Oil temperature display with auto shut down
- » Cylinder head temperature monitoring with auto shut down
- » 2.3 l Filter housing
- » Puracon filter monitoring
- » Remote Tab Control - RTC
- » Additional high pressure outlet
- » Block heating device
- » 420 bar Version
- » Power cable and plug
- » Special voltages / frequencies on request

## Technical Data

LW 570 E II Compact	
Type:	Air cooled piston compressor
Capacity [litre/min] / [Nm <sup>3</sup> /h] / [cfm]:	570 / 34.0 / 20.1
Max. Pressure [bar]:	350 / 420
RPM [1/min]:	1060
No of cylinders / No of stages:	4 / 4
Prime mover type:	E-Motor / 400V / 3 Phase / 50 Hz
Drive power [kW] with 50 Hz / 60 Hz:	15.0 / 18.0
Cooling air req. [m <sup>3</sup> /h] with 50 Hz / 60 Hz:	4500 / 5400
Lubrication type:	Oil pump + Splash oil
Oil capacity [litre]:	2.9
Oil pressure [bar]:	2.0 (+/- 0.1)
Operating temperature [°C]:	+5°C to +45°C
Filter capacity [m <sup>3</sup> at +20°C] <sup>1)</sup> :	900 (at +20°C / approx. 26,5 h)
Dimensions W x D x H [mm]:	1407 x 795 x 918
Weight [kg]:	353
Noise level (measured at 1 m) [dB(A)]:	83

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

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