

LW Air Cooler +3°C

Filter capacity and filter life, an important theme with financial implications for professional filling stations where cost control is vital. The life of a filter is strongly influenced by the running temperature of the compressor and ambient temperature.

Example: LW 450 E at +20°C outlet temperature has a filter life of approx.33 hrs, at +35°C this time is reduced to just 10 hours! If the air is cooled down to +3°C after the final compression stage before it enters the final separator, the life of the filter cartridge can be extended up to 6 times, in extreme tropical conditions 10 times! The L&W refrigeration dryers, named Air Coolers, can pay for themselves within 1 season in saved filter cartridge costs. To monitor the exact state of the filter and register when the cartridge needs changing, we recommend the L&W Puracon moisture controller.

For some industrial applications, the air cooler can provide suitable drying without the need for filters.

The coolers are available as independent units with water separators, automatic condensation drain with timer and silencer, or as the economical.

LW Air Cooler BASIC for connection to a compressor with final stage oil/water separator and drain.

Specifications

- >> Ready to connect with oil/water separator automatic condensation drain and silencer (Basic version without separator, drain and silencer)
- >> Digital temperature display in °C
- >> Steel housing, powder coated in RAL 6026
- >> Power supply cable for 230V 50Hz connection and CE plug (60Hz versions available)

LW Air Coolers are available in 2 pressure ratings, max 250 bars and max. 350 bars. The basic units have a max. working pressure of 450 bar. The units up to and including 2850 litres/min capacity are for wall mounting, the larger units are free standing. The units are maintenance free with environment friendly CFC-free refrigeration fluids.



LW AC 450-900

Technical Data

Model	Max. flow [m³/h] / [l/min]	Working pressure [bar]	Power consumption [kw]	Cooling air requirement [m³/h]	Mount case	Refrigeration fluid	W x D x H [mm]	Weight [kg]
LW AC 450 Basic	27 / 450	420	0.5	390	wall mount	R 134a	330 x 250 x 700	38
LW AC 450	27 / 450	350	0.5	390	wall mount	R 134a	330 x 250 x 700	38
LW AC 900 Basic	54 / 900	420	0.6	570	wall mount	R 404 a	330 x 250 x 700	48
LW AC 900	54 / 900	350	0.6	570	wall mount	R 404 a	330 x 250 x 700	48
LW AC 1350 Basic	81 / 1350	420	0.9	900	wall mount	R 404 a	500 x 430 x 840	72
LW AC 1350	81 / 1350	350	0.9	900	wall mount	R 404 a	500 x 430 x 840	72
LW AC 1950	117 / 1950	350	1.1	1140	wall mount	R 404 a	500 x 430 x 840	84
LW AC 2850	171 / 2850	350	1.4	1800	wall mount	R 404 a	500 x 430 x 840	98
LW AC 3650	219 / 3650	350	2.2	2200	free standing	R 404 a	800 x 670 x 1350	164
LW AC 5400	324 / 5400	350	3.6	3400	free standing	R 404 a	800 x 670 x 1350	196
LW AC 7000	420 / 7000	350	4.3	4200	free standing	R 404 a	800 x 670 x 1350	224