

L&amp;W

# Filtration

## „Purification“

These panels, although primarily for breathing air purification, can be used for various gas filtration requirements. The high pressure filter housings are certified and documented in accordance with current pressure vessel regulations to a maximum working pressure of 350 bars (5150 psi). (420 bar [6200 psi] available on request)

The Assembly is mounted on a sturdy wall panel and piped ready for connection with a pressure maintaining and non-return valve. If required, the inlet can be secured with a pressure relief valve. These panels are the preferred choice for filtration remote from the compressor and are ideal for multiple compressor installations especially when using a central refrigeration dryer, or for upgrading an outdated filter system.

The filter housings are available in two sizes, 1.7 and 2.3 litre volume and in single, double or triple combinations. Cartridges are available for breathing air, breathing air with additional CO/CO<sub>2</sub> removal, drying, active charcoal, natural gas drying, and more.

Please consult us with your individual air/gas filtration requirements.

### Features:

- Steel plate panel, powder coated in RAL 6026
- Pressure maintaining and non-return valve, 8 mm Outlet
- Inlet 8 mm
- Nickel plated steel filter housing(s) with 1 drain tap on each panel

### Technical Data

(capacities for breathing air @ 20 °C)

Filter panel	Capacity @ 20 °C	Dimensions (W x H x D) [mm]	Weight [kg]
1 x 1.7 Liter	900 m <sup>3</sup>	270 x 570 x 180	27
2 x 1.7 Liter	1800 m <sup>3</sup>	430 x 570 x 180	44
3 x 1.7 Liter	2700 m <sup>3</sup>	560 x 570 x 180	61
1 x 2.3 Liter	1200 m <sup>3</sup>	270 x 815 x 180	32
2 x 2.3 Liter	2400 m <sup>3</sup>	430 x 815 x 180	54
3 x 2.3 Liter	3600 m <sup>3</sup>	560 x 815 x 180	76



## Quality control

### „Filter Monitoring“

The most reliable and economical method of monitoring filter condition is to measure the water content using a moisture controller. The L&W Puracon moisture controller can be ordered with a new compressor or filtration/filling panel, or can be easily added to an existing system.

The residual water content is shown in mg/m<sup>3</sup> on the digital LCD display and supported with 3 quick reference LEDs (green, yellow & red). The L&W Puracon serves as an excellent quality assurance tool for air fill retailers (product liability) and supports the economical use of filters without the need to monitor running temperature. For Nitrox filling stations, an aid for monitoring OCA (oxygen compatible air).

### Features:

- ❖ Stainless steel sensor housing with inlet/outlet and cable socket
- ❖ Display Unit, 120 x 120 x 60 mm for wall mounting and sensor cable (2m length)
- ❖ Digital LCD display
- ❖ 3 LEDs for quick reference
- ❖ Interface for automatic compressor cut off or alarm if desired
- ❖ Software can be selected for English, German, French or Spanish
- ❖ 5, 10, 15 and 30m sensor cables available
- ❖ 230 V power cable with CE plug (1.2m length)
- ❖ 12/24 V DC Versions available

