

## CIF 2000



Palas offers the CIF 2000 test rig with the **Promo<sup>®</sup> 2000<sup>1</sup>** unit for standard tests on motor vehicle passenger compartment filters in accordance with DIN 71460-1 and ISO/TS 11155-1.

### BENEFITS

- Particle measurements from 200 nm
- Measurement and evaluation of fraction separation efficiency and burden
- Automatic data acquisition for barometer pressure, temperature, humidity, differential pressure
- Optional temperature control (+18°C to +90°C) and moisture control (30 – 70%)
- Automatic actuation of all test rig components
- Automatic performance of the measurement processes
- Individual programming of measurement processes for filter testing using the FTControl software
- Separate measurement and analysis parts – this saves time and money, as the analysis can be performed while the measurement is still on-going
- Printouts and saving of complete test records
- Easy access to all data for the recorded measurement signals from the up to 6 external sensors
- Low-maintenance
- Easy operation
- Reliable operation
- The unit will reduce your operating costs

### APPLICATIONS

- Complete filter test in accordance with DIN 71460-1 & ISO/TS 11155-1
- Test of filter media in accordance with DIN 71460-1 & ISO/TS 11155-1
- Testing of other complete filters and filter media

<sup>1</sup>Promo<sup>®</sup> 2000: <https://palas.de/product/promo1000>

## DATASHEET

|                                 |  |
|---------------------------------|--|
| Measurement range (size)        | 0.2 – 40 $\mu\text{m}$   |
| Volume flow                     | 60 m <sup>3</sup> /h – 800 m <sup>3</sup> /h (cycle operation)   |
| Material                        | Stainless steel V2A, 2 mm  |
| Temperature regulation          | +18 °C – +90 °C  |
| Luftfeuchteregelung             | 30% – 70%  |
| Temperatur- und Feuchtesensor   | Measuring range: -20°C - +80°C, 0 - 100 % rH, Accuracy: $\pm 0.1^\circ\text{C}$ (20°C), $\pm 1\%$ rH (0 - 90 % rH), $\pm 2\%$ rH (90 - 100 % rH) |
| Barometric pressure gauge       | Measuring range: 600 - 1,100 hPa, Accuracy: $\pm 0.10$ hPa   |
| Differential pressure gauge     | Measuring range: < 2,500 Pa, Linearity error: < 0.2 % of final value   |
| Measurement of the air velocity | Measuring range: 0.5–40 m/s, Accuracy: < +/- 0.05 m/s (up to 20 m/s), < +/- 0.08 m/s (20–30 m/s), < +/- 0.1 m/s (30–40 m/s)                      |
| Preconditions                   | 3 phases, 400 V, neutral, earth connection of approx. 3 KW and provision of pressurized air max. 8 bar   |
| Dimensions                      | Test rig: 2,800 • 1,000 • 4,200 mm (H • W • D), Filter holder: 300 • 600 mm (H • W) (filter and others on request)                               |

## NORMS AND CERTIFICATES

DIN 71460-1, ISO/TS 11155-1