CIF 1000

For standard tests on automotive cabin air filters according to DIN 71460-1 and ISO/TS 11155-1, Palasoffers the CIF 1000 test stand with the Promo ® 1000[1] .

Benefits

- Particle measurements from 120 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 according to DIN 71460-1 & ISO/TS 11155-1
- Test of filter media according to DIN 71460-1 & ISO/TS 11155-1
- Test of other complete filters and filter media

[1] Promo® 1000: https://palas.de/product/promo1000

DATASHEET

Measurement range (size)	0.12 – 40 μm
Volume flow	60 m^3/h – 800 m^3/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: ± 0.1°C (20°C), ± 1 % rH (0 - 90 % rH), ± 2 % rH (90 - 100 % rH)
Barometric pressure gauge	Measuring range: 600 - 1,100 hPa, Accuracy: ± 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, ISO/TS 11155