

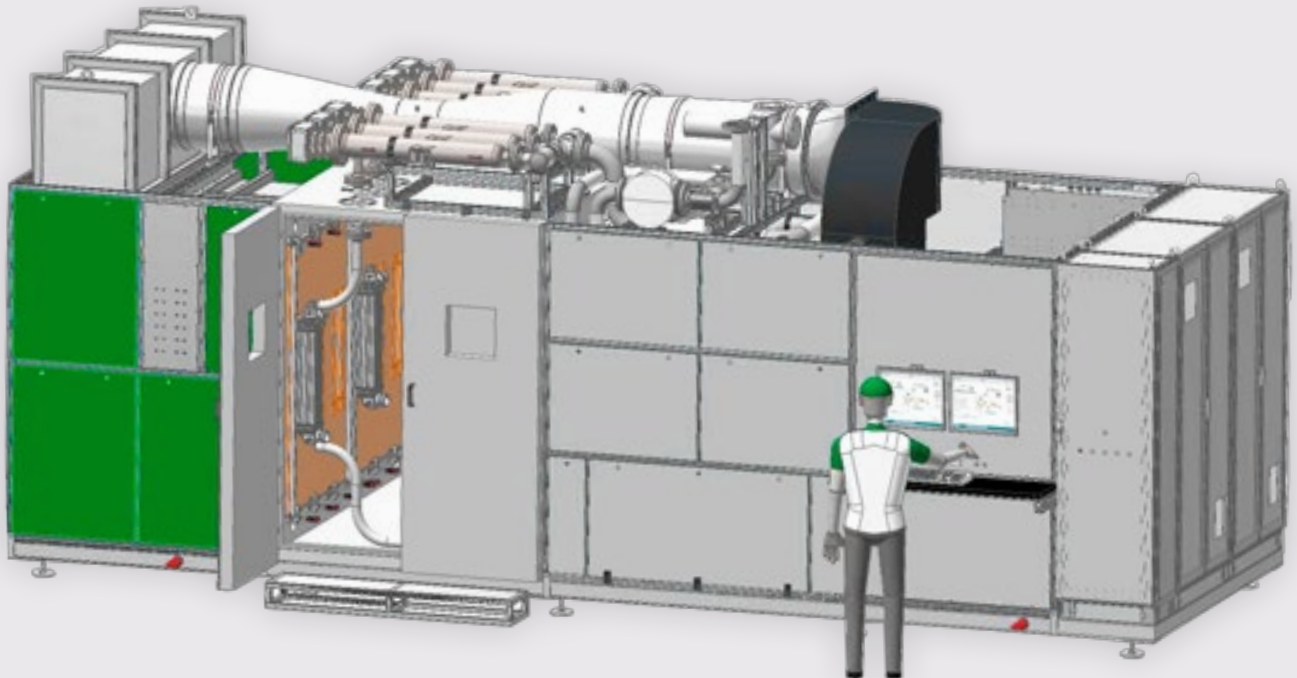
Perfection in fluids.

The right *flow*
by German engineering.



TAB300 - Temperature-Aging-Test Bench for charge air coolers (CAC)

Datsheet EPE-168048



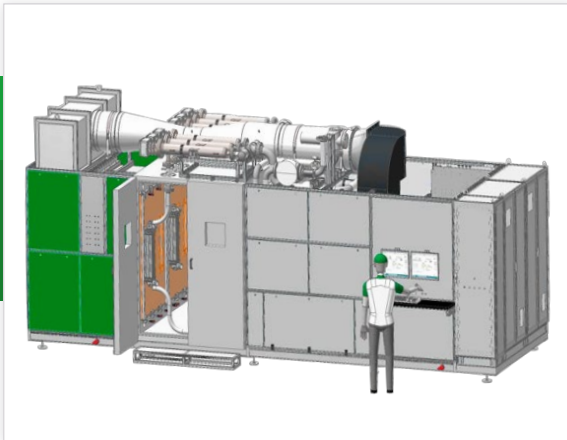


EPE-168048

TAB300 - Temperature-Aging-Test Bench for charge air coolers (CAC)



Made in
GERMANY



Similar to figure

Technical data

6 x Pressure (Loop 1)	0...4 bar
6 x Pressure (Loop 2)	800...1200 bar
6 x Temperature (Loop 1 & Loop 2)	0...300°C
Humidity (Loop 1 & Loop 2)	0...90% rH

Dimensions

Test bench (L x W x H)	6000 x 2500 x 3000 mm
Weight	approx. 2500 kg

! This is only an **example** interpretation and can change according to your needs.

Plastic-Aging-Test for CAC

Endurance test of components made of plastic or steel

Pressure range: 0 to 4 bar

Temperature range: 30 to 300°C

Description

The test bench is designed for long-term tests (endurance test) of, for example, CAC (test tem) with automatic system control, measurement and data acquisition. The system is equipped with two independent loop systems (Loop 1 & Loop 2). Loop 1 is a pressurized internal loop with air heating. The test air can be heated up to 300°C. Loop 2 represents the external loop and is operated with air under atmospheric conditions to recool the test item. By a water-cooled heat exchanger the test air can be cooled down to 30°C.

The air mass flow is measured once central by a venturi tube. The measurements of the test items take place in a test chamber in which up to six test items can be tested simultaneously. The system is controlled by a PC with data acquisition hardware and measurement and control software under LabVIEW.

Benefits

- ✓ Plastic-Aging-Tests
- ✓ Closed loop design
- ✓ Temperature range up to 300°C
- ✓ Testing of several test items simultaneously



Special solutions Application examples



Automotive & automation



Fluid- & valve technology



Aviation



Pharma & medicine



Filter technology

Application examples:

- Charge air coolers
- Engine intake component
- Heat exchangers
- Pressurized casing
- Reservoir for oil and water
- Valves
- Filter casing



Top-Innovator
2016

For special requirements we are happy to advise you. Subject to change. / EPE-168048 / Last update: 01/2019 / V01
© EP Ehrler Prüftechnik Engineering GmbH, Wilhelm-Hachtel-Str. 8, D-97996 Niederstetten

TOP-INNOVATOR 2016: EP Ehrler Prüftechnik is one of the most innovative companies in the German SME segment.

+49 (0) 79 32 . 6 06 66 - 0 / +49 (0) 79 32 . 6 06 66 - 11 / info@ep-e.com / www.ep-e.com