



Fire Resistance

Tests Furnaces

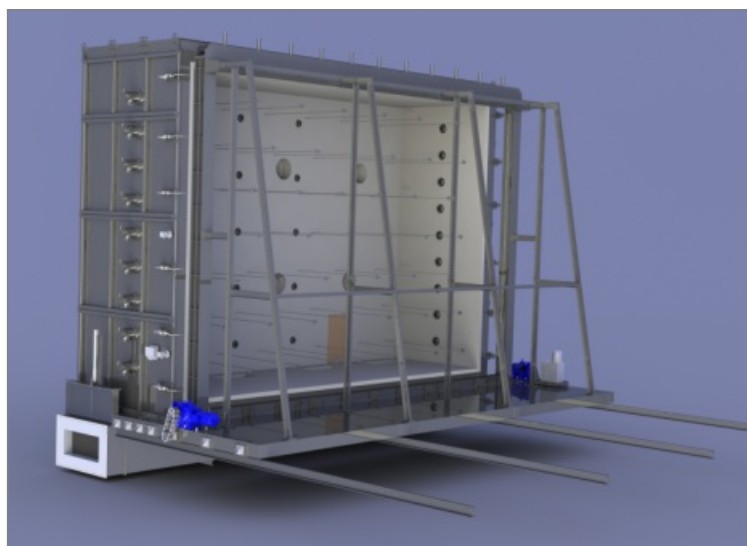
Laboratory chamber furnaces stands are the optimal solution in the implementation of structural fire resistance tests of building and ship constructions, horizontal and vertical components and safes. The furnace's work is fully automatic, controlled by a programmable logic controller (PLC).

The available furnace solutions offered by SECO/WARWICK are:

- Chamber furnaces with gas heating system
- Chamber and multi-chamber furnaces with any configuration

Laboratory furnaces are used to test the following structural elements:

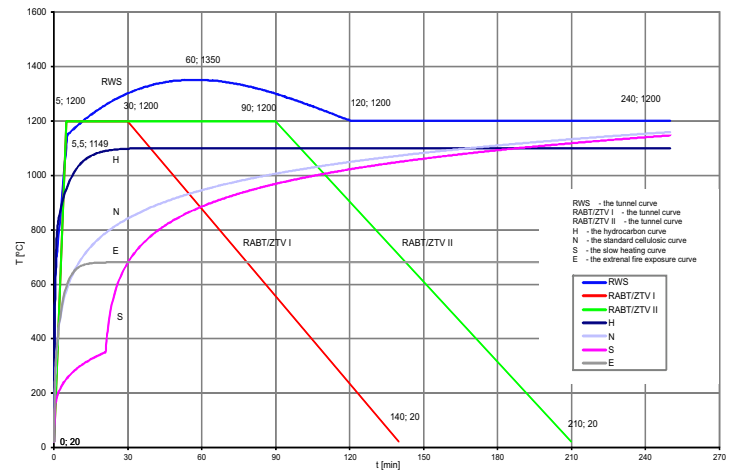
- Fire resistance of non-load bearing elements
- Fire resistance of load-bearing elements
- Fire resistance of elements of the installation
- Fire resistance of doors and shutters
- Fire resistance of ceilings, decks and bulkheads of ships
- Fire resistance of cabinets used for storage of documents, storage media other valuables and flammable liquids



Technical solutions of SECO/WARWICK furnaces ensure the implementation of specific fire resistance tests of all structures. Devices can be adapted to the specific needs and demands of our customers as well. The diversity of customer requirements necessitates the need of implementing the design of the equipment that will carry out process in a way that gives maximum flexibility.

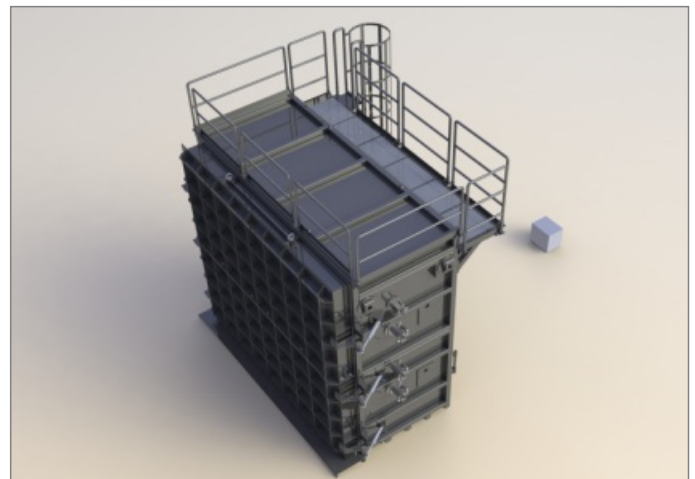
Research stands allow you to work according to the following heating curves:

- Standard curve (EN 1363-1)
- External fire exposure curve (EN 1363-2)
- Slow heating curve (EN 1363-2)
- Hydrocarbon curve (EN 1363-2)
- Tunnel curve
- Heating curve of smoke dampers ($T = 300\text{ }^{\circ}\text{C}$)
- Curve heating of raised floors ($T = 500\text{ }^{\circ}\text{C}$)
- Heating curve of smoke dampers ($T = 600\text{ }^{\circ}\text{C}$)



Benefits of fire resistance testing laboratory furnaces:

- Automatic and manual control
- Maximum use of research positions
- The ability to quickly and effectively adapt to the different type of research
- Research stands with a large readable display device showing the current time, stopwatch, date and number of tests
- Alarm signaling
- Visors for observation of the behavior of the tested item inside the test chamber
- Visualization, archiving, and reporting of data system
- The security system switching off the heating system when



SECO/WARWICK Group

POLAND
SECO/WARWICK S.A.
Sobieskiego 8
66-200 Świebodzin, Poland
tel. +48 68 3820 500
fax +48 68 3820 555
info@secowarwick.com.pl
www.secowarwick.com

POLAND
SECO/WARWICK Europe Sp. z o.o.
Świerczewskiego 76
66-200 Świebodzin, Poland
tel. +48 68 3819 800
fax +48 68 3819 805
europe@secowarwick.com.pl
www.secowarwick.com

USA
SECO/WARWICK Corp.
P.O. Box 908
Meadville, PA 16335-6908, USA
tel. +1 814 332 8400
fax +1 814 724 1407
info@secowarwick.com
www.secowarwick.com

USA
RETECH SYSTEMS LLC
100 Henry Station Rd.
Ukiah, CA 95482, USA
tel. +1 707 462 6522
fax +1 707 462 4103
leroy.b.leland@retechsystemsllc.com
www.retechsystemsllc.com

GERMANY
SECO/WARWICK Service GmbH
An der Molkerei 15
D-47551 Bedburg-Hau, Germany
tel. +49 (2821) 713 100
fax +49 (2821) 713 10-29
service@secowarwick.com
www.secowarwick.com

CHINA
SECO/WARWICK RETECH
Thermal Equipment Manufacturing
(Tianjin) Co., Ltd.
7B Second Xeda Road
Tianjin, China 300385
tel. +86 22 238 28 300
fax +86 22 238 28 305
d.rabenda@secowarwick.com.pl
www.swretech.com.cn

INDIA
SECO WARWICK Allied Pvt. Ltd.
5th Floor, Amfotech It Park
Road No. 8, Wagle Estate
Thane (W) - 400 604, India
tel. +91 22 6730 1400
fax +91 22 6730 1488
swa-info@secowarwick.com
www.secowarwick.com

BRAZIL
SECO/WARWICK do Brasil Industria
de Fornos Ltda.
Parque Industrial II
Jundiá, SP - Brasil
CEP: 13213-170
tel. +55 (11) 3109-5900
fax +55 11 4525-1047
engefor@engefor.com.br
www.secowarwick.com

RUSSIA
SECO/WARWICK Rus
Pyzhevskiy pereulok, bld 5/1,
office № 400
119017 Moscow, Russia
tel. +7 499 788 9721
moscow@secowarwick.com.pl
www.secowarwick.com

BELARUS
SECO/WARWICK OOO Minsk Office
8 Mielnikajte str., office 26
220004 Mińsk, Belarus
tel./fax: + 375 17306 23 71
secom@infonet.by
www.secowarwick.com