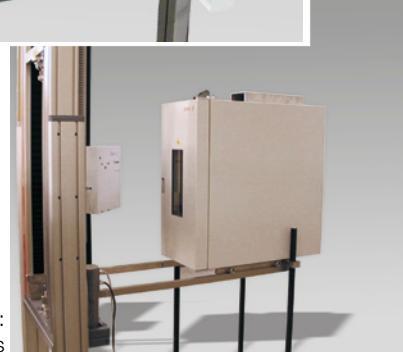


Product Information

Temperature Chambers



Above:
45° aperture
at the rear left site
for extensometers



Right:
Option guide rails

Advantages / Features of Zwick temperature chambers

- Low cost standard temperature chambers with wide temperature ranges, inner illumination and tried and tested Eurotherm controllers as standard
- Standard RS 232 interface for operation with a PC
- Simple and safe operation through ergonomical and CE conform construction
- Laid out for the most frequently used temperature ranges through various cooling mediums and refrigeration unit
- Well adapted to local test requirements as they are mounted in the test machine either fixed, on guide rails, or via a hydraulic jack that can be provided by the enduser
- Using the test machine's capabilities to the full by pushing the chamber out of the test area when performing tests on long or high extension specimen at ambient temperatures

- Temperature chambers for table-top machines can also be used with floor machines
- A wide range of specimen can be tested using mechanical, pneumatic and hydraulic specimen grips, as well as different compression and flexure test kits
- Optical and mechanical extensometers can be used in conjunction with the temperature chambers, thus enabling precise measurement of specimen behaviour under the influence of temperature at high and low amounts of deformation
- Lowest possible temperature gradient due to a fully heated, transparent view-window when using optical extensometers
- Consultation and advice by well trained sales and service personnel

Product Information

Temperature Chambers

Item number	063970	063971	063972	316151	316152	Unit
Outer dimension						
Width	400	400	400	600	600	mm
Height	650	850	1050	800	1000	mm
Depth	840	840	840	1044	1044	mm
Inner dimension						
Width	255	255	255	450	450	mm
Height	500	700	900	650	850	mm
Depth	360	360	360	542	542	mm
Aperature width/ -length (45°)	30	30	30	30	30	mm
Temperature range	20 ... + 250	20 ... + 250	20 ... + 250	- 80 ... + 250	- 80 ... + 250	°C
Cooling system*	LN ₂	LN ₂	LN ₂	LN ₂	LN ₂	
Operating pressure of the cooling medium	0.7 ... 1.4 3/8 „ (Inside- thread)	0.7 ... 1.4 3/8 „ (Inside- thread)	0.7 ... 1.4 3/8 „ (Inside- thread)	0.7 ... 1.4 3/8 „ (Inside- thread)	0.7 ... 1.4 3/8 „ (Inside- thread)	bar
Hose connection of temperature chamber						3/8 „ Inside- thread)
Average heat rate (empty)	6.6	6.6	6.6	6.6	6.6	°C/min
Average cool rate (empty)	6	6	6	7.5	7.5	°C/min
Chamber weight	85	90	95	170	180	kg
Power supply	400 (3PH/N/PE)	400 (3PH/N/PE)	400 (3PH/N/PE)	400 (3PH/N/PE)	400 (3PH/N/PE)	V
Mains frequency	50/60	50/60	50/60	50/60	50/60	Hz
Power rating	3.5	3.5	3.5	3.5	4	kVA
Model	Door closes to the right, aperature and controller at the rear left hand site					
Cooing system	Liquid gas, direct feed					
Controller, chamber control	Eurotherm					
Noise level	55 dB(A)					
Interface	RS 232 (occupies a COM interface at the PC)					
Finish	RAL 7032 pebble grey					
Mains cable	I = 4 m, 5-pin CEEE - plug (16A) (only for 91251/91256)					
Data for all chambers empty, according to EN 60204-1, EN 61010-1, IEC 1010-2-010, BS 2771-1, DIN 50011						
Options (e.g. Specimen temperature control, Nitrogen container, Plane parallel glas) upon request						