

**ZONSKY**  
SINCE 2000



# IMO FTP CODE SHIPBUILDING INDUSTRY

INTERNATIONAL MARITIME ORGANIZATION  
Marine Interiors

# PRODUCT CATALOGUE

## IMO FTP CODE | SHIPBUILDING INDUSTRY INTERNATIONAL MARITIME ORGANIZATION *Marine Interiors & High Speed Craft*

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## ZY6263

### Lateral Ignition and Flame Spread Test Apparatus, LIFT

IMO Resolution A.653(16) / ISO 5658-2

*Recommendation on improved fire test procedures for surface flammability of bulkhead, ceiling and deck finish materials*

**SCOPE:** This test apparatus is for measuring the lateral spread of flame along the surface of a specimen of a product orientated in the vertical position. It provides data suitable for comparing the performance of essentially flat materials, composites or assemblies that are used primarily as the exposed surfaces of walls in buildings and transport vehicles, such as ships and trains. Some profiled products (such as pipes) can also be tested under specified mounting and fixing conditions.



## ZY6017D-PC

### Non-combustibility Test Apparatus

IMO FTPC Part 1 / EN ISO 1182 / ASTM E2652

*Non-combustibility test*

**SCOPE:** This test apparatus is for determining the non-combustibility performance, under specified conditions, of homogeneous products and substantial components of non-homogeneous products, especially for building materials.



## ZY6166B-PC

### Smoke Density Test Chamber

IMO FTPC Part 2 / ISO 5659-2 & -1

*Smoke and toxicity test*

**SCOPE:** This test apparatus is for measuring smoke generation from the exposed surface of specimens of essentially flat materials, composites or assemblies not exceeding 25 mm in thickness when placed in a horizontal orientation and subjected to specified levels of thermal irradiance in a closed cabinet with or without the application of a pilot flame. This test chamber is applicable to all plastics and may also be used for the evaluation of other materials (e.g. rubbers, textile-coverings, painted surfaces, wood and other building materials).



## FTIR

### Toxic Gas Analysis / Gas Analyser

**IMO FTPC Part 2 / ISO 19702**

*Sampling and analysis of toxic gases and vapours in fire effluents using Fourier Transform Infrared (FTIR) spectroscopy*

**SCOPE:** This instrument is for sampling systems for use in small-scale and large-scale fire tests, for the selection of parameters and use of the FTIR instrument, and for the collection and use of calibration spectra.



## ZY6248D-PC

### Door Assemblies Fire Resistance Test Furnace

**IMO FTPC Part 3, 4 & 11 / ISO 3008 / NFPA 252**

*Part 3 Test for "A", "B" and "F" class divisions*

*Part 4 Test for fire door control systems*

*Part 11 Test for fire-resisting divisions of high-speed craft*

**SCOPE:** This test apparatus is a specialized testing instrument in the field of safety science and technology. It is primarily used to quantify and evaluate the ability of building elements or materials to withstand high temperatures in a vertical orientation. This equipment plays a critical role in assessing the fire safety performance of various vertical building components.



## ZY6125A

### Surface Flammability Test Apparatus

**IMO FTPC Part 5 / ISO 5658-2**

*Test for surface flammability (Test for surface materials and primary deck coverings)*

**SCOPE:** This test apparatus is for surface flammability tests of surface materials and primary deck coverings. It also confirms to ISO 5658-2 for measuring the lateral spread of flame along the surface of a specimen of a product orientated in the vertical position.



## ZY6014I-VB-FTP

### Textile Fabrics Vertical Flammability Test Apparatus

IMO FTPC Part 7 / ISO 6940

*Test for vertically supported textiles and films*

**SCOPE:** This test apparatus is for the measurement of ease of ignition of vertically oriented textile fabrics and industrial products in the form of single or multi-component textile fabrics (coated, quilted, multilayered, sandwich constructions, and similar combinations), when subjected to a small, defined flame.



## ZY6194A

### Furniture Flammability Testing Apparatus

IMO FTPC Part 8 & 9 / ISO 8191

*Part 8 Test for upholstered furniture*

*Part 9 Test for bedding components*

**SCOPE:** This test apparatus is for assessment of the ignitability of upholstered furniture and bedding items, such as covers and fillings used in upholstered seating when subjected to a small flame as an ignition source, by smoldering cigarette tests and propane flame tests.



## ZY6257A

### Large Scale Oxygen Consumption Calorimetry for High-speed Craft

IMO FTPC Part 10 / ISO 9705 / EN 14390

*Test for fire-restricting materials for high-speed craft*

**SCOPE:** This test apparatus is for heat release, smoke production and mass loss rate for materials used for furniture and other components of high-speed craft. It adopts full-scale room test for surface materials on bulkheads, wall and ceiling linings, including their supporting structure, of high-speed craft.

# PROJECT CASES

A comprehensive range of fire testing equipment for lab-scale, pilot-scale, and industrial-scale applications.



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