



# Flammability Chamber

## Flammability Chamber according FMVSS 302 and DIN 75200

Horizontal flammability chamber for the determination of comparative burn rates of cloth, including pile and napped cloth. It is used worldwide to qualify the burn resistance of automotive interior materials according to Society of Automotive Engineers (SAE). The combustion chamber is made of high-grade steel material with heat-resistant pane of glass for the examination of the rate of combustion according to DIN 75200, FMVSS 302 and others.

### Features:

- Stainless steel cabinet
- Specimen frame type A and B included
- Side access door with observation window
- Gas burner with needle valve for flame adjustment for propan or butan gas (has to be specified when ordering)
- Specimen holder assembly
- Specimen frame according VW TL 1010 and Porsche PTL 8501 optional available



### Technical data:

	Flammability Chamber
<b>Dimensions</b>	
Width (mm)	500
Height (mm)	385
Depth (mm)	245
Weight (kg) approx.	22
<b>Characteristics</b>	
Burner for the use with	propan or butan gas
Chamber made of	stainless steel (V4A)

## Flammability Chamber acc. DIN 4102 B2 and DIN 53438

The flammability chamber is designed for the flammability testing of plastic materials used in electric devices or other appliances. The chamber is made of stainless steel including and large heat-resistant window for the examination of the rate of combustion according to DIN 4102 B2, DIN 53438 and others. The chamber includes an adjustable specimen support as well as a high precision gas burner.

### Features:

- Bench mounted stainless steel chamber
- Adjustable specimen support
- Adjustable burner angle
- Different specimen fixtures / holders available
- Integrated exhaust fan
- Heat resistant window
- Front access
- Precise gas control system
- Flame height indicator



### Technical data:

#### Dimensions

Width (mm)	730
Height (mm)	950
Depth (mm)	450
Weight (kg) approx.	approx. 65

#### Electrical data

Nominal voltage (VAc), 50 Hz	90 ... 265
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#### Flammability Chamber



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## Flammability Chamber acc. UL 94

Flammability chamber made of high-grade stainless steel material with heat-resistant glass door for the examination of the rate of combustion to UL 94, ASTM D635, D3801, D4804, D5048, D4986, IEC 60695-11-10 (replaces ISO 1210), IEC 60695-11-20 (replaces ISO 10351), IEC 707 (partial); ISO 9772 and ISO 9773.

### Features:

- High-polished chamber made of stainless steel
- Burner with sliding device and angle adjustment
- Flame ignition safety device
- Positioning device for specimen and burner for horizontal and vertical burning tests
- Specimen holder for 5 different test applications
- Timer (0,2 ... 100 sec.)
- Gas flow thru controller
- Exhaust fan



### Technical data:

#### UL94 Flammability Chamber

#### Dimensions

Width (mm)	1500
Height (mm)	1500
Depth (mm)	600
Inside Volume (m <sup>3</sup> )	ca. 0,86
Usable inside dimension (mm)	1200 x 600 x 1060
Weight (kg) approx.	200

#### Characteristics

Horizontal adjustment range of specimen holder (mm)	840
Vertical adjustment range of specimen holder (mm)	730
Horizontal adjustment range of burner (mm)	240
Burner angle adjustment	0° - 20° - 45°

#### Instrument connections

Gas	Methane
Purity	> 98%
Pipe/Hose connection (mm)	Ø 6
Exhaust air connection (mm)	Ø 97
Volume flow exhaust ventilation (m <sup>3</sup> /h)	170

#### Electrical data

Nominal voltage (VAC)	230/50 Hz or 115 V/60Hz (pls. specify when ordering)
Power (W)	400