



Laboratoire Central des ponts et Chaussées

## Equipments for test in centrifuges

### CONTAINERS

#### RECTANGULAR CONTAINER

The mechanical structure of the rectangular container is such that it can sustain a uniform pressure of 1.5 Mpa while maintaining the lateral wall deflection to less than +/- 1mm.

The container modular design offers the possibility to stack up to 4 container extensions and has a removable bottom.

This concept is suited for soil consolidation under hydraulic gradient.

The container includes a suitable soil drainage configuration through the bottom plate and sealed channels for pipes and cables.

Technical Data	Model	C61	C65-C67	C80	C84-C85
<b>Outer dimensions</b>	<b>mm</b>				Per request
Length		700	900	1400	
Width		600	700	1000	
Height		350	400	500	
<b>Inner dimensions</b>	<b>mm</b>				
Length		600	700	1200	
Width		500	500	800	
Height		300	375	460	
<b>Miscellaneous</b>					
Operating pressure	MPa	1.5	1.5	1.5	
Container mass	kg	160	250	450	

#### CYLINDRICAL CONTAINER

The mechanical structure of the cylindrical container is such that it can sustain a uniform pressure of 0.5 Mpa while maintaining the lateral wall deflection to less than +/- 1mm.

The container includes a suitable soil drainage configuration through the bottom plate and sealed channels for pipes and cables.

Technical Data	Model	C61	C65-C67	C80	C84-C85
<b>Outer dimensions</b>	<b>mm</b>				Per request
Diameter		600	720	760	
Height		500	600	700	
<b>Inner dimensions</b>	<b>mm</b>				
Diameter		540	640	700	
Height		480	580	680	
<b>Miscellaneous</b>					
Operating pressure	MPa	0.5	0.5	0.5	
Container mass	kg	90	135	250	

## RECTANGULAR CONTAINER WITH GLASS WINDOW

The mechanical structure of this rectangular container is such that it can sustain a uniform pressure of 0.5 Mpa while maintaining the lateral wall deflection to less than +/- 1mm.

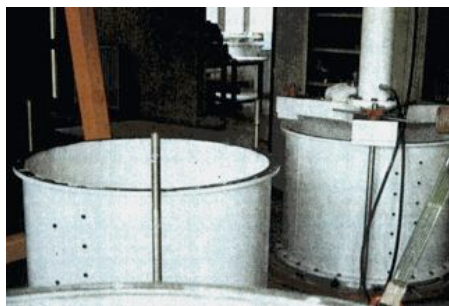
Technical Data	Model	C61	C65-C67	C80	C84-C85
<b>Outer dimensions</b>	mm				Per request
Length		700	700	1,000	
Width		400	530	600	
Height		500	450	600	
<b>Inner dimensions</b>	mm				
Length		500	600	800	
Width		250	400	400	
Height		300	400	400	
<b>Window dimensions</b>	mm				
Width		500	570	700	
Height		200	340	300	
<b>Miscellaneous</b>					
Operating acceleration range	g	1 to 60	1 to 60	1 to 60	
Operating pressure	MPa	0.5	0.5	0.5	
Container mass	kg	160	215	340	

### Rectangular Container



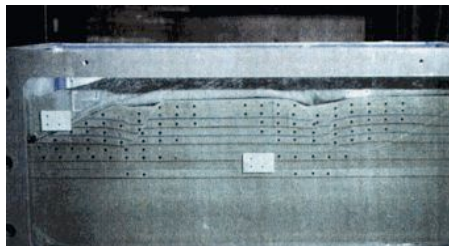
- Double walled
- High stiffness honeycomb structure
- Low mass welded steel

### Cylindrical Container



- Welded steel
- Designed for high pressure operation
- Shown in clay consolidation

### Rectangular Container with window



- Steel construction
- Removable perspex window