

+4°C
+70°C



STX176

Automated High-Content Shaker Incubator

- Market's Highest Capacity
- Includes Multiple Independent Shaker Platforms
- Simple Integration or Upgrade in the External Automation
- Maximum Shaker Running Time Making Frequent Accesses Possible
- Ultra-Stable Climate Maintained despite the Stress of Frequent Accesses



StoreX
Series

STX176 Automated High-Content Shaker Incubator

General Information

The new STX176 High-Content Shaker incubator addresses the need for the ever-increasing numbers of plates for shaking in modern laboratory automation applications. The STX176 includes four individually controlled shaker platforms. Each shaker platform is freely configurable and independently controllable. Plates are transported by a single integrated robot and transferred to and from a single transfer location. During plate access, only the part of the shaker holding the plate to be accessed is stopped for the short duration of the transfer.

Each shaker platform may be configured for individual shaking amplitudes. Shaking speeds resp. frequencies may individually be set for each shaker platform. The latter is selectable anytime by sending a parameter through the communication interface.

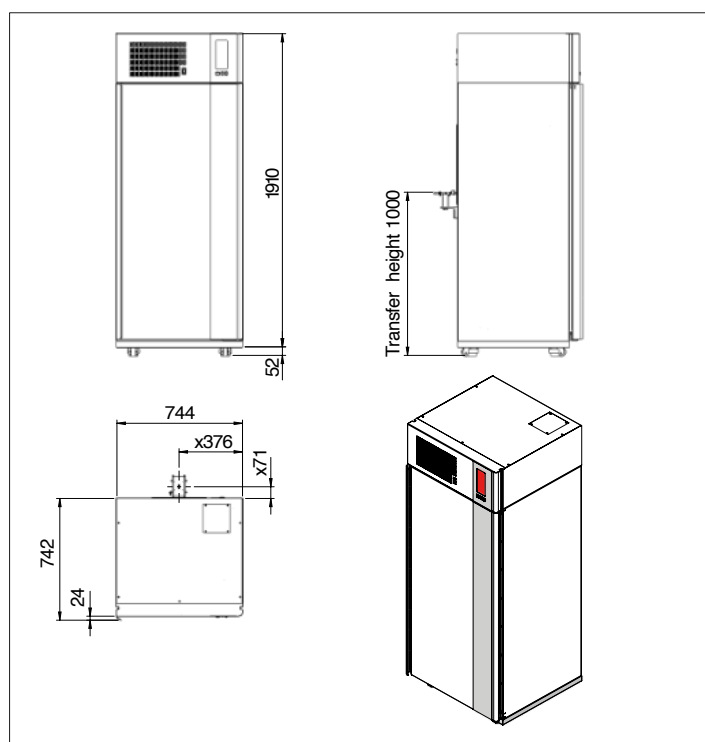
The Automated High-Content Shaker design is based on Liconic's longtime-proven Automated Shaker technology. Over years of continuous development and optimization work, Liconic's new shakers have become so efficient that any negative impacts on the incubation climate have become neglectable. Without any need for external chillers, climate conditions in the new Automated High-Content Shaker incubators are equally high and precise as in an ordinary non-shaker incubator.

Orbital Shaker

Order Information Shaking option			
Orbital			Order Nr.
1mm Amplitude	600 rpm max.	for STX44	9118 12 24
1mm Amplitude	1200 rpm max.	for STX44	9118 12 25
1.5mm Amplitude	1000 rpm max.	for STX44	9118 26 98
2mm Amplitude	800 rpm max.	for STX44	9118 13 01
3mm Amplitude	600 rpm max.	for STX44	9118 12 41
4mm Amplitude	600 rpm max.	for STX44	9118 36 38
6mm Amplitude	400 rpm max.	for STX44	9118 12 42

Need to be ordered four times.

Dimensions STX176 Shaker



x Position varies depending on handling adjustment within chamber

Technical Specifications

Shaker Motion	orbital	
	Amplitude [mm PP] *)	Speed [min-1] **)
Performance	1	0-1200
	1.5	0-1000
	2	0-800
	3	0-600
	4	0-600
	6	0-400
Labware	All SBS-Format Plates (MTP, DWP...)	
Cassette	2	
	Shaker-Type, All Stainless	
	Removable by User	
Software Control	Communications	Through Standard Port
	Activate / Deactivate	Software, Remote Command
	Speed	Software, Remote Parameter
	Plate Access	Random
	Positioning	Automatic
	Robotic Access	Software, Remote Command
Manual Operation	Manual Access	Front Door by User
	Cassette Access	Manually by User
	Shaker Safety	Automatic Stop by Front Door
Options	BCR Plate Identification	

* to be defined on order

** Please allow ~20% in case multiple Shaker Platforms are operated at maximum specified operation speed



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