

Shaker

orbital motion, 10 - 300 rpm, programmable



SHO orbital motion

Ideal for:

- culturing cells to hybridization, staining and destaining gels, and combinatorial chemistry
- hybridization, washing blots, culturing microbes

Features:

- 10 - 300 rpm
- 230x230 mm or 350x350 mm
- digital LCD display
- smooth start and change of shaking speed while operation
- minimum noise
- timer for 0-99 hours
- multiple platforms and flask holder available
- brushless DC motor
- CE certified and unique serial number for tracing

Safety mechanism:

- timer 99h 59min with timer-end signal
- operation LEDs
- overload protection
- locking mode

Controller:

- programmable **Jog-Shuttle** controller with touch-button



SHO-1D with optional rubber mat platform



SHO-2D with optional universal platform and flask holder

Model	SHO-1D	SHO-2D
Design	shaker orbital motion	
Platform	230x230 mm	350x350 mm
Speed range	10-300 rpm	
Max. load	8 kg	10 kg
Amplitude	10 mm	20 mm
Programs	6 programs, 10 steps	
Permissible temperature & RH %	ambient temp. +5 ~ 50°C, 85% RH	
Timer & alarm	99hr 59min, error status timer-end	
Display	digital LCD with backlight function	
Controller	digital feedback controller (Jog-Shuttle)	
Safety circuit	overload protection	
Dimension & weight	250x330xh150 mm, 14 kg	400x480xh160 mm, 20 kg
Packaging size	450x350xh250 mm, 18 kg	580x500xh250 mm, 23 kg
Power supply	1 Phase AC 120V, 60 Hz or AC 230V, 50/60 Hz	
Order number 230V	DH.WSO04010	DH.WSO04012
Order number 120V	DH.WSO05010	DH.WSO05012

Please note: no platform included - please order separately!

maximal amount of flask holder depends on platform and flask holder size - more information on 134

Shaker

reciprocating motion, 10 - 300 rpm, programmable

SHR reciprocating motion



Ideal for:

- culturing cells to hybridization, staining and destaining gels, and combinatorial chemistry
- hybridization, washing blots, culturing microbes

Features:

- 10 - 300 rpm
- 230x230 mm or 350x350 mm
- digital LCD display
- smooth start and change of shaking speed while operation
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- multiple platforms and flask holder available
- brushless DC motor
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Safety mechanism:

- timer 99h 59min with timer-end signal
- operation LEDs
- overload protection
- locking mode

Controller:

- programmable **Jog-Shuttle** controller with touch-button



SHR-1D with optional rubber mat platform



SHR-2D with optional universal platform and flask holder

Model	SHR-1D	SHR-2D
Design	shaker reciprocating motion	
Platform	230x230 mm	350x350 mm
Speed range	10-300 rpm	
Max. load	8 kg	10 kg
Amplitude	10 mm	20 mm
Programs	6 programs, 10 steps	
Permissible temperature & RH %	ambient temp. +5 ~ 50°C, 85% RH	
Timer & alarm	99hr 59min, error status timer-end	
Display	digital LCD with backlight function	
Controller	digital feedback controller (Jog-Shuttle)	
Safety circuit	overload protection	
Dimension & weight	250x330xh150 mm, 14 kg	400x480xh160 mm, 20 kg
Packaging size	450x350xh250 mm, 18 kg	580x500xh250 mm, 23 kg
Power supply	1 Phase AC 120V, 60 Hz or AC 230V, 50/60 Hz	
Order number 230V	DH.WSR04020	DH.WSR04022
Order number 120V	DH.WSR05020	DH.WSR05022

please note: no platform included - please order separately

maximal amount of flask holder depends on platform and flask holder size - more information on 134

Accessories: Universal platform, rubber mat platform, platform for flasks, flask holder and spring rack on page 134

Shaker

Accessories: Platforms, spring rack and flask holder

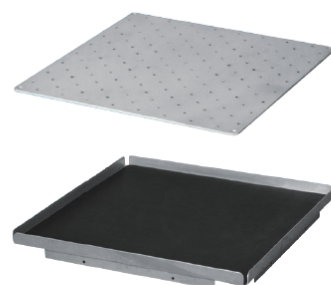
Platforms

- suitable for Shaker SHO and SHR
- available in different types

Type	For device...	Plate	Article	Order number
Universal platform *	SHO-1D, SHR-1D	230x230 mm	SP100	DH.WSO504100
Universal platform **	SHO-2D, SHR-2D	350x350 mm	SP200	DH.WSO504200
Rubber mat platform	SHO-1D, SHR-1D	230x230 mm	SP110	DH.WSO504110
Rubber mat platform	SHO-2D, SHR-2D	370x370 mm	SP210	DH.WSO504210

* max. 9x FH100 / FHS100, max. 7x FH250 / FHS250, max. 4x FH500 / FHS500

** max. 20x FH100 / FHS100, max. 16x FH250 / FHS250, max. 9x FH500 / FHS500



Platforms for flasks and separatory funnels

- suitable for Shaker SHO and SHR
- available in different types

Type	For device...	Dimension	Article	Order number
Platform for flasks	SHO-1D, SHR-1D	350x230x153 mm	SP120	DH.WSO504120
Platform for flasks	SHO-2D, SHR-2D	350x350x153 mm	SP220	DH.WSO504220
Platform for separatory funnels	SHO-1D, SHR-1D	350x235x174 mm	SP130	DH.WSO504130
Platform for separatory funnels	SHO-2D, SHR-2D	351x355x174 mm	SP230	DH.WSO504230

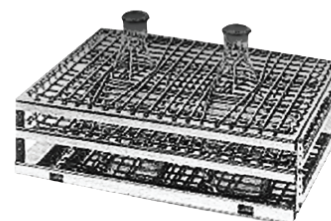
suitable separatory funnels can be found on page 221



Universal spring rack

- suitable for Shaker SHO and SHR

Type	For device...	Dimension	Article	Order number
Universal spring rack	SHO-1D, SHR-1D	270x270x100 mm	SP120	DH.WSO504140
Universal spring rack	SHO-2D, SHR-2D	370x370x100 mm	SP220	DH.WSO504240



Flask holder ABS or STS

- suitable for Shaker SHO and SHR
- holder clamps variable for different flask sizes (ABS flask holder with variable size)
- mountable on universal platform

Type	For device...	For flasks...	Article	Order number
ABS flask holder	SHO, SHR	50-100 ml	FH100	DH.WIS504030
ABS flask holder	SHO, SHR	200-300 ml	FH250	DH.WIS504035
ABS flask holder	SHO, SHR	500-1000 ml	FH500	DH.WIS504040
STS wire spring flask holder	SHO, SHR	100 ml	FHS100	DH.WIS600100
STS wire spring flask holder	SHO, SHR	250 ml	FHS250	DH.WIS600250
STS wire spring flask holder	SHO, SHR	500 ml	FHS500	DH.WIS600500
STS wire spring flask holder	SHO, SHR	1000 ml	FHS1000	DH.WIS601000

