

## Heat source hybrid

Steam generator built-in  
High-pressure steam sterilizer

# UH SERIES



Heat Source  
Hybrid  
**Steam+Electrical**

udono sterilization system



**udono limited**

**UH  
SERIES**

**The roots of UDONO**

Returning to the starting points,  
Inheriting DNA from founder of our company,  
Hirohisa Uono,  
Here we launch heat source hybrid sterilizer



Throughout the ages  
**Heat source hybrid**



**Heat source hybrid**

Steam supply from boiler by day time  
Electric source steam supply during night  
at a stop of boiler

Switching to power mode, heating time speed-up.

**Power mode switch on !!**

**Steam source + Electric source in a busy morning**

**Also selectable  
"Electric steam generator  
built-in sterilizer"**

- Conserving space without having to equip boiler  
Building cost saving because neither gas nor  
exhaust piping is not needed.
- Operational promptly in out of hour.
- Supplied high quality steam,  
free from the influence of decrepit boiler and  
steam piping line.
- Low maintenance cost;  
periodic check of boiler...
- Large capacity 730 L is available  
in electric steam generator type.

UH68

**Voice guidance function**



Easy operation for unexperienced staff with voice guidance, which notify the current state of process during the work.  
"Be careful, Door's closing."  
"Door's opening."  
"Caution, it's hot."  
"Please select the operating program."  
"Checking the display, press start switch."  
"Operation has started."  
"Now in a holding time."  
"Soon to be completed."  
"Completed in a normal cycle."  
"Completed in an abnormal cycle, please check."  
"Unloading is completed."  
\*Voice guidance function off is also selectable.

**User friendly**

**Operate reservation function: setting day of the week and time**

It makes it possible to turn on the power and start the operation including Bowie-Dick Test, which skip pre-heating process before sterilization.  
Three modes are selectable.  
Power on & Starting cycle mode  
Power on mode ; Supplying steam into jacket  
Starting mode ; Appointing a starting time in power on.  
Number of run is selectable from "only 1 time" or "continuous use".



**Operational performance**

High quality touch panel.



**Original process name**

Setting user's original process name (Display in English)



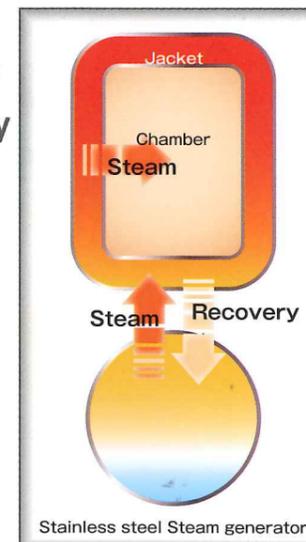
**Brand new drying system as it is**

**Everything made from stainless-steel  
Not only durability but also high-quality steam can be supplied.**

Stainless steel for both chamber and jacket, which makes it possible to gather drain in Steam in jacket and provide high-quality steam in chamber.  
Collected drain in jacket is reused for stainless-steel steam generator.

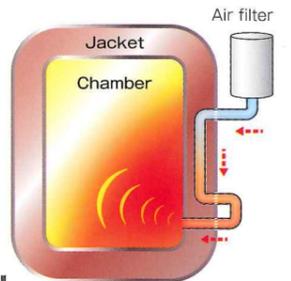
**Allowing 0.3MPa high pressure**

Increasing temperature in jacket creates heat, which leads drying efficiency.  
Selectable from RO cartridge built-in type or RO supply type.



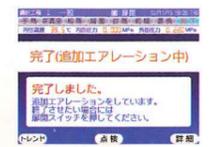
**New drying system**

Drying efficiency by not directly taking clean air to chamber but through heated jacket.  
It is also useful for drying efficiency.



**Automatic-additional drying process · cooling function**

(Automatic-additional drying process)  
In a certain period of time without door-opening/closing, after the cycle is completed, it starts additional drying process.  
Remaining the heat in jacket, blowing clean air facilitate drying materials.  
(Automatic cooling function)  
Stopping the heat in jacket, automatic aeration function intended to cool sterilized materials is also selectable.  
Power off for eco-saving or stand by mode after the work are also selectable.



**Excellent monitoring function**

**Collecting the data**

Built-in flash memory stores records up to 8000 hours of work.  
Inputting date & time, work can be graphically displayed.  
Moving the cursor on the graph, it shows the temperature and pressure value on the point.  
Option Connecting PC, maximum 10 units can be monitored.



**Maintenance**

In addition to self-diagnosis function, counting function of control parts is equipped.  
We offer an evidence-based maintenance by accurate understanding of parts state such as valve opening/closing history or work time of pump.

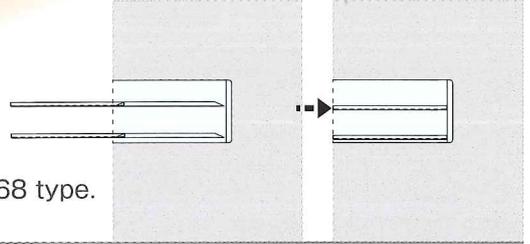


## Loading(Placing) method of sterilized materials

55/68  
type

### Shelves (Model code:T2)

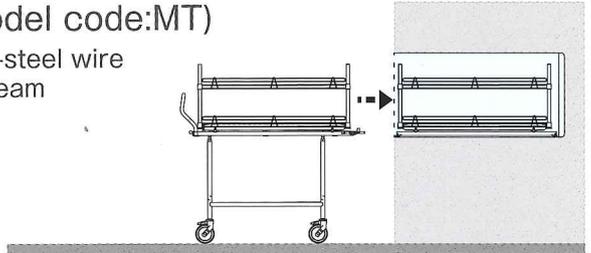
Sterilized materials are loaded to the shelves plate attached in chamber.  
"Double-banked shelves plate" is standard of 55/68 type.  
With preventing -drop function and removable



55/68  
type

### Trolley and loading rack -style(Model code:MT)

Excellent design for load bearing in stainless-steel wire  
Resist rust,without interrupting the flow of steam



Specification Description	Chamber size(mm)			Capacity (Little)	Door		Slide	Overall Dimention(mm)				Required Facilities					Power AC380V 3 phases								
	Width	Height	Depth		Single	Double		Width	Height	Depth		Required facilities Steam pipe dia. *1	Required quantity of Steam (kg/hr)	RO WATER *2		Water supply		Drain/ Exhaust pipe dia.							
				Single						Double	Pipe dia.			L/min	Pipe	L/min									
UH55-U7-S	500	550	700	196	○	×	Vertically	850 (950)	1800	1200	—	20A	60	15A	3	20A	11	40A	35A *3 (16.2kVA)						
UH55-U10-※			1000	280	○	○				1500	1310								13	60A *3 (29.9kVA)					
UH68-U7-S	660	680	700	320	○	×		920 (1020)	1850	1200	—						15A		3	20A	15	50A	75A *3 (38.9kVA)		
UH68-U10-※			1000	460	○	○				1500	1310													13	80A *3 (41.6kVA)
UH68-U13-※			1300	600	○	○				1800	1610													15	50A
UH68-U16-※			1600	730	○	○				2100	1910													15	50A

Large capacity in spite of electric type

( ) Cabinet

\*1 Hybrid type \*2 RO water supply \*3 Capacity of Breaker

### Description of Item #

## UH68-U13H-S-MT/RO

Chamber size  
(Width/Height)

Slide

E: Electric  
heater type  
H: Hybrid type

T2:Shelves  
MT:trolley and  
loading rack style

Chamber size  
(Depth)

S:Single  
D:Double  
C:Cabinet

NO MARK:RO Cartridge built-in  
Required 100V  
R/O: RO water supply



UH55



UH68



本社・榎原工場認証取得

# udono limited

<http://www.udono.com> E-mail:sales@udono.com



Head Office

2-1-9 Motoyokoyama-Cho Hachioji-Shi, 192-0063, Japan

Tel : +81-42-642-6153 Fax : +81-42-642-4784